APPENDIX D

OTTER CREEK MINE BASELINE REPORT 304E

DATA VALIDATION REPORTS

Otter Creek Coal, LLC
March 2010 to December 2011 Water Quality Monitoring
Summary of Validation

Prepared by
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March 2012

Otter Creek Coal, LLC
October 2010 to December 2011 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Pace Analytical and Energy Laboratories in Billings, Montana

- Sample event dates: 03/14/2010 through 12/12/2011

- Total number of samples taken at existing wells: 160 site samples, 8 field duplicates, 21 field observations, 12 DI and rinsate blanks, for a total of 201 samples.

- Frequency for field duplicates was 1 per 20, and 1 per 13 for field blanks. Overall, frequency was approximately 1 per 8 (1 QC sample taken for every 8 samples collected).

Violations involving field quality control:

- Six of the field duplicate pairs contained results outside of quality control limits. [Control limits for field duplicates are results within 20% RPD (relative percent difference) for samples greater than five times the detection limit; or within a difference of one times the detection limit for samples with results equal to or less than the detection limit.] Attached to this report is Table 2. Summary of Flagged Data, which lists the associated data qualified in the project database, and Table 3. Summary of Duplicate Samples, that lists the parameter results that were in exceedance. There were a total of 100 qualifiers (J4, UJ4) placed on the data for field duplicate exceedances.

- Two field blanks (1 DI and 1 rinsate) submitted on October 21, 2011, contained nitrate + nitrite as N at or above the DTL (0.02 mg/L), and one field blank (rinsate) submitted on June 21, 2011 contained total recoverable sodium at or above the DTL (0.02 mg/L). This resulted in a total of 10 (UJ1) qualifiers placed on the associated data. Attached is Table 4. Summary Blank Samples listing the parameter results, and Table 2. Summary of Flagged Data, listing the data qualified for the blank exceedances.

Violations involving laboratory quality control:

- For two batches of data in October, turbidity was analyzed outside of the required holding time. An "H" qualifier has been placed on those turbidity results.

- In June lab batches H11060332 and H11060338, turbidity, TDS, and TSS was not analyzed due to limited unpreserved sample.

- In October several turbidity results were flagged by the lab as Estimated "E", indicating the value exceeded the instrument upper quantitation limit.

- In addition there were several laboratory quality control samples outside of the laboratory prescribed QC limits. However, none of the associated data were impacted.

Additional observations not resulting in exceedances:

- Due to multiple parameter lists hydroxide was not analyzed until October and mercury was reported at the detection limit of <0.0001 mg/L, until August, and then changed to <0.00005.

- Beryllium was added to the parameter list in August and the laboratory agreed to go back and report the values from the raw data back to the beginning of the year. Any beryllium values that were not confirmed were not reported.

- The lab was asked to change the detection limits for aluminum to 0.1 mg/L and for iron to 0.05 mg/L.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 81%. The project completeness goal, acceptance of 90% of the results as valid, has been met, as no results were rejected as a result of this review.

Attachments to Summary Report

- Included with this report are the following attachments:

  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary Of Flagged Data
  - Table 3. Summary of Duplicates
  - Table 4. Summary of Blanks
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Jennifer Vanek

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. Indicates low bias. 4 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)

Table 2. Summary Of Flagged Data
Otter Creek Coal LLC
Date Range: October 2010 to December 2011

SITE SITE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETER	RESULT	FLAGS	RPD	EXCEEDANCE TYPE SAMPLE
SW-23	OTRCR1106-109	1060332001	6/15/2011	IRON (FE) (TRC)	0.37	J4D	31%	FIELD DUPLICATE
		1060332001	6/15/2011	NITRATE + NITRITE AS N	2.39	J4D	98%	FIELD DUPLICATE
		1060332001	6/15/2011	TOTAL SUSPENDED SOLIDS	16	J4D	PRDL	FIELD DUPLICATE
		1060332001	6/15/2011	TURBIDITY (NTU)	9.5	J4D	58%	FIELD DUPLICATE
SW-20	OTRCR1106-111	1060332003	6/15/2011	NITRATE + NITRITE AS N	0.08	J4D	98%	FIELD DUPLICATE
		1060332003	6/15/2011	IRON (FE) (TRC)	<0.05	UJ4D	31%	FIELD DUPLICATE
SW-18	OTRCR1106-112	1060332004	6/15/2011	IRON (FE) (TRC)	5.12	J4D	31%	FIELD DUPLICATE
		1060332004	6/15/2011	NITRATE + NITRITE AS N	<0.01	UJ4D	98%	FIELD DUPLICATE
SW-2	OTRCR1106-113	1060332005	6/15/2011	IRON (FE) (TRC)	0.22	J4D	31%	FIELD DUPLICATE
		1060332005	6/15/2011	TOTAL SUSPENDED SOLIDS	6	J4D	PRDL	FIELD DUPLICATE
		1060332005	6/15/2011	TURBIDITY (NTU)	3.6	J4D	58%	FIELD DUPLICATE
		1060332005	6/15/2011	NITRATE + NITRITE AS N	<0.01	UJ4D	98%	FIELD DUPLICATE
SW-16	OTRCR1106-114	1060332006	6/15/2011	IRON (FE) (TRC)	0.17	J4D	31%	FIELD DUPLICATE
		1060332006	6/15/2011	TOTAL SUSPENDED SOLIDS	6	J4D	PRDL	FIELD DUPLICATE
		1060332006	6/15/2011	TURBIDITY (NTU)	2.3	J4D	58%	FIELD DUPLICATE
		1060332006	6/15/2011	NITRATE + NITRITE AS N	<0.01	UJ4D	98%	FIELD DUPLICATE
SW-22	OTRCR1106-115	1060332007	6/15/2011	IRON (FE) (TRC)	0.24	J4D	31%	FIELD DUPLICATE
		1060332007	6/15/2011	TOTAL SUSPENDED SOLIDS	20	J4D	PRDL	FIELD DUPLICATE
		1060332007	6/15/2011	TURBIDITY (NTU)	5.5	J4D	58%	FIELD DUPLICATE
		1060332007	6/15/2011	NITRATE + NITRITE AS N	<0.01	UJ4D	98%	FIELD DUPLICATE
K-2	OTRCR1106-007	1060450007	6/22/2011	IRON (FE) (TRC)	0.05	J4D	24%	FIELD DUPLICATE
K-3	OTRCR1106-008	1060450008	6/22/2011	IRON (FE) (TRC)	3.56	J4D	24%	FIELD DUPLICATE
A-4	OTRCR1106-009	1060450009	6/22/2011	IRON (FE) (TRC)	2.02	J4D	24%	FIELD DUPLICATE
A-6	OTRCR1106-011	1060450011	6/22/2011	IRON (FE) (TRC)	0.86	J4D	24%	FIELD DUPLICATE
AVF3-2	OTRCR1106-012	1060450012	6/22/2011	IRON (FE) (TRC)	2.24	J4D	24%	FIELD DUPLICATE
C4	OTRCR1106-013	1060450013	6/22/2011	IRON (FE) (TRC)	1.52	J4D	24%	FIELD DUPLICATE
K-5	OTRCR1106-014	1060450014	6/22/2011	IRON (FE) (TRC)	0.36	J4D	24%	FIELD DUPLICATE
K-1	OTRCR1106-015	1060450015	6/22/2011	IRON (FE) (TRC)	0.24	J4D	24%	FIELD DUPLICATE
C3	OTRCR1106-016	1060450016	6/22/2011	IRON (FE) (TRC)	7.77	J4D	24%	FIELD DUPLICATE
K-6	OTRCRK1106200	1060448001	6/22/2011	IRON (FE) (TRC)	1.12	J4D	24%	FIELD DUPLICATE
K-4	OTRCRK1106201	1060448002	6/22/2011	IRON (FE) (TRC)	2.04	J4D	24%	FIELD DUPLICATE
B-10O	OTRCRK1106202	1060448004	6/22/2011	IRON (FE) (TRC)	39.2	J4D	24%	FIELD DUPLICATE
B-10KU	OTRCRK1106203	1060448005	6/22/2011	IRON (FE) (TRC)	1.33	J4D	24%	FIELD DUPLICATE
B-10U	OTRCRK1106204	1060448003	6/22/2011	IRON (FE) (TRC)	0.46	J4D	24%	FIELD DUPLICATE
B-10KL	OTRCRK1106205	1060448006	6/22/2011	IRON (FE) (TRC)	31.4	J4D	24%	FIELD DUPLICATE
B-11K	OTRCRK1106207	1060448008	6/22/2011	IRON (FE) (TRC)	6.03	J4D	24%	FIELD DUPLICATE
B6-O	OTRCR1108-814	1080476015	8/25/2011	ALUMINUM (AL) (TRC)	19.3	J4D	PRDL	FIELD DUPLICATE
		1080476015	8/25/2011	IRON (FE) (TRC)	56.3	J4D	44%	FIELD DUPLICATE

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Otter Creek Coal LLC
Date Range: October 2010 to December 2011

SITE SITE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETER	RESULT	FLAGS	RPD	EXCEEDANCE TYPE SAMPLE
B6-K	OTRCR1108-815	1080476016	8/25/2011	ALUMINUM (AL) (TRC)	0.6	J4D	PRDL	FIELD DUPLICATE
		1080476016	8/25/2011	IRON (FE) (TRC)	0.71	J4D	44%	FIELD DUPLICATE
B6-U	OTRCR1108-817	1080476018	8/25/2011	ALUMINUM (AL) (TRC)	6.2	J4D	PRDL	FIELD DUPLICATE
		1080476018	8/25/2011	IRON (FE) (TRC)	3.14	J4D	44%	FIELD DUPLICATE
B4-U	OTRCR1108-818	1080476019	8/25/2011	ALUMINUM (AL) (TRC)	0.4	J4D	PRDL	FIELD DUPLICATE
		1080476019	8/25/2011	IRON (FE) (TRC)	0.36	J4D	44%	FIELD DUPLICATE
AVF4-1	OTRCR1108-852	1080526003	8/25/2011	ALUMINUM (AL) (TRC)	0.2	J4D	PRDL	FIELD DUPLICATE
		1080526003	8/25/2011	IRON (FE) (TRC)	8.02	J4D	44%	FIELD DUPLICATE
A-5	OTRCR1108-853	1080526004	8/25/2011	IRON (FE) (TRC)	0.51	J4D	44%	FIELD DUPLICATE
		1080526004	8/25/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
SW-11	OTRCR1108-900	1080473001	8/25/2011	ALUMINUM (AL) (TRC)	0.4	J4D	PRDL	FIELD DUPLICATE
		1080473001	8/25/2011	IRON (FE) (TRC)	1.06	J4D	44%	FIELD DUPLICATE
		1080473001	8/25/2011	TURBIDITY (NTU)	40.8	J4D	PRDL	FIELD DUPLICATE
P4	OTRCR1108-901	1080473002	8/25/2011	IRON (FE) (TRC)	0.13	J4D	44%	FIELD DUPLICATE
		1080473002	8/25/2011	TURBIDITY (NTU)	2.1	J4D	PRDL	FIELD DUPLICATE
		1080473002	8/25/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
SW-8	OTRCR1108-902	1080473003	8/25/2011	TURBIDITY (NTU)	0.7	J4D	PRDL	FIELD DUPLICATE
		1080473003	8/25/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
		1080473003	8/25/2011	IRON (FE) (TRC)	<0.05	UJ4D	44%	FIELD DUPLICATE
SW-9	OTRCR1108-903	1080473004	8/25/2011	ALUMINUM (AL) (TRC)	0.1	J4D	PRDL	FIELD DUPLICATE
		1080473004	8/25/2011	IRON (FE) (TRC)	1.33	J4D	44%	FIELD DUPLICATE
		1080473004	8/25/2011	TURBIDITY (NTU)	23.2	J4D	PRDL	FIELD DUPLICATE
P5	OTRCR1110-705	1100333001	10/20/2011	TURBIDITY (NTU)	2.4	H,J4D	84%	HOLDING TIME/FIELD DUPLICATE
		1100333001	10/20/2011	IRON (FE) (TRC)	0.17	J4D	48%	FIELD DUPLICATE
		1100333001	10/20/2011	PHOSPHORUS (P)	0.016	J4D	42%	FIELD DUPLICATE
		1100333001	10/20/2011	TOTAL SUSPENDED SOLIDS	16	J4D	115%	FIELD DUPLICATE
		1100333001	10/20/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
SW-9	OTRCR1110-706	1100333002	10/20/2011	TURBIDITY (NTU)	323	H,J4D	84%	HOLDING TIME, FIELD DUPLICATE
		1100333002	10/20/2011	ALUMINUM (AL) (TRC)	0.5	J4D	PRDL	FIELD DUPLICATE
		1100333002	10/20/2011	IRON (FE) (TRC)	0.95	J4D	48%	FIELD DUPLICATE
		1100333002	10/20/2011	PHOSPHORUS (P)	0.151	J4D	42%	FIELD DUPLICATE
		1100333002	10/20/2011	TOTAL SUSPENDED SOLIDS	592	J4D	115%	FIELD DUPLICATE
SW-11	OTRCR1110-707	1100333003	10/20/2011	TURBIDITY (NTU)	0.5	H,J4D	84%	HOLDING TIME, FIELD DUPLICATE
		1100333003	10/20/2011	IRON (FE) (TRC)	0.08	J4D	48%	FIELD DUPLICATE
		1100333003	10/20/2011	PHOSPHORUS (P)	0.006	J4D	42%	FIELD DUPLICATE
		1100333003	10/20/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
		1100333003	10/20/2011	TOTAL SUSPENDED SOLIDS	<4.0	UJ4D	115%	FIELD DUPLICATE
SW-12	OTRCR1110-708	1100333004	10/20/2011	TURBIDITY (NTU)	34.4	H,J4D	84%	HOLDING TIME, FIELD DUPLICATE
		1100333004	10/20/2011	IRON (FE) (TRC)	0.21	J4D	48%	FIELD DUPLICATE
		1100333004	10/20/2011	PHOSPHORUS (P)	0.173	J4D	42%	FIELD DUPLICATE
		1100333004	10/20/2011	TOTAL SUSPENDED SOLIDS	334	J4D	115%	FIELD DUPLICATE
		1100333004	10/20/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
SW-8	OTRCR1110-709	1100333005	10/20/2011	TURBIDITY (NTU)	1.1	H,J4D	84%	HOLDING TIME, FIELD DUPLICATE
		1100333005	10/20/2011	PHOSPHORUS (P)	0.008	J4D	42%	FIELD DUPLICATE
		1100333005	10/20/2011	TOTAL SUSPENDED SOLIDS	6	J4D	115%	FIELD DUPLICATE
		1100333005	10/20/2011	ALUMINUM (AL) (TRC)	<0.1	UJ4D	PRDL	FIELD DUPLICATE
		1100333005	10/20/2011	IRON (FE) (TRC)	<0.05	UJ4D	48%	FIELD DUPLICATE

Table 2. Summary Of Flagged Data
Otter Creek Coal LLC
Date Range: October 2010 to December 2011

SITE SITE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETER	RESULT	FLAGS	RPD	EXCEEDANCE TYPE SAMPLE
P4	OTRCR1110-710	1100333006	10/20/2011	TURBIDITY (NTU)	59	H,J4D	84%	HOLDING TIME, FIELD DUPLICATE
		1100333006	10/20/2011	ALUMINUM (AL) (TRC)	0.9	J4D	PRDL	FIELD DUPLICATE
		1100333006	10/20/2011	IRON (FE) (TRC)	1.8	J4D	48%	FIELD DUPLICATE
		1100333006	10/20/2011	PHOSPHORUS (P)	0.063	J4D	42%	FIELD DUPLICATE
		1100333006	10/20/2011	TOTAL SUSPENDED SOLIDS	142	J4D	115%	FIELD DUPLICATE
P4	OTRCR1110-711	1100333007	10/20/2011	TURBIDITY (NTU)	24	H		HOLDING TIME
A-7	OTRCR1110-403	1100352004	10/21/2011	NITRATE + NITRITE AS N	0.01	UJ1		FIELD BLANK
AVF1-2	OTRCR1110-406	1100352007	10/21/2011	NITRATE + NITRITE AS N	0.02	UJ1		FIELD BLANK
SW-6	OTRCR1110-712	1100333008	10/21/2011	TURBIDITY (NTU)	100000	E,H		ESTIMATED, HOLDING TIME
P3	OTRCR1110-713	1100333009	10/21/2011	TURBIDITY (NTU)	39.8	H		HOLDING TIME
		1100333009	10/21/2011	NITRATE + NITRITE AS N	0.03	UJ1		FIELD BLANK
SW-4	OTRCR1110-714	1100333010	10/21/2011	TURBIDITY (NTU)	262	H		HOLDING TIME
		1100333010	10/21/2011	NITRATE + NITRITE AS N	0.03	UJ1		FIELD BLANK
P1	OTRCR1110-715	1100333011	10/21/2011	TURBIDITY (NTU)	15.1	H		HOLDING TIME
		1100333011	10/21/2011	NITRATE + NITRITE AS N	0.03	UJ1		FIELD BLANK
SW-13	OTRCR1110-716	1100333012	10/21/2011	SC (UMHOS/CM AT 25 C)	7500	E		ESTIMATED
		1100333012	10/21/2011	TURBIDITY (NTU)	100000	E,H		ESTIMATED, HOLDING TIME
DI BLANK	OTRCR1110-717	1100333013	10/21/2011	TURBIDITY (NTU)	0.2	H		HOLDING TIME
RINS BLANK	OTRCR1110-718	1100333014	10/21/2011	TURBIDITY (NTU)	<0.1	H		HOLDING TIME
FORTUNE SPRING	OTRCR1110-756	1100409003	10/25/2011	SC (UMHOS/CM AT 25 C)	8270	E		ESTIMATED
SW-14	OTRCR1110-757	1100409004	10/25/2011	TURBIDITY (NTU)	100000	E		ESTIMATED
SW-17	OTRCR1110-758	1100409005	10/25/2011	TURBIDITY (NTU)	100000	E		ESTIMATED
SW-25	OTRCR1110-759	1100409006	10/26/2011	MANGANESE (MN) (TRC)	0.091	J4D	26%	FIELD DUPLICATE
		1100409006	10/26/2011	TURBIDITY (NTU)	1.7	J4D	PRDL	FIELD DUPLICATE
SECTION SPRING	OTRCR1110-761	1100409008	10/26/2011	TURBIDITY (NTU)	0.5	J4D	PRDL	FIELD DUPLICATE
		1100409008	10/26/2011	MANGANESE (MN) (TRC)	<0.005	UJ4D	26%	FIELD DUPLICATE
SW-2	OTRCR1110-762	1100409009	10/26/2011	MANGANESE (MN) (TRC)	0.063	J4D	26%	FIELD DUPLICATE
		1100409009	10/26/2011	TURBIDITY (NTU)	9.1	J4D	PRDL	FIELD DUPLICATE
SW-16	OTRCR1110-765	1100409012	10/26/2011	MANGANESE (MN) (TRC)	0.051	J4D	26%	FIELD DUPLICATE
		1100409012	10/26/2011	TURBIDITY (NTU)	2.4	J4D	PRDL	FIELD DUPLICATE
SW-22	OTRCR1110-766	1100409013	10/26/2011	MANGANESE (MN) (TRC)	0.188	J4D	26%	FIELD DUPLICATE
		1100409013	10/26/2011	TURBIDITY (NTU)	5.9	J4D	PRDL	FIELD DUPLICATE

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	A-4	A-4			
SAMPLE DATE	06/22/11	06/22/11			
LAB	EL	EL			
LAB NUMBER	1060450009	1060450010	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1106-0	OTRCR1106-0	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.0	8.2	2.47		
SC (UMHOS/CM AT 25 C)	2790.0	2800.0	0.36	1.0	
TDS (MEASURED AT 180 C)	2420.0	2400.0	0.83	4.0	
CALCIUM (CA) DIS	107.0	103.0	3.81	1.0	
CALCIUM (CA) TRC	115	106	8.14	1.0	
MAGNESIUM (MG) DIS	184.0	183.0	0.54	1.0	
SODIUM (NA) DIS	355.0	356.0	0.28	1.0	
SODIUM (NA) TRC	355	338	4.91	1.0	
POTASSIUM (K) DIS	14.0	14.0	0.00	1.0	
POTASSIUM (K) TRC	14	14	0.00	1.0	
TOTAL ALKALINITY AS CACO3	520.0	530.0	1.90	4.0	
BICARBONATE (HCO3)	640.0	650.0	1.55	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	1200.0	1200.0	0.00	1.0	
CHLORIDE (CL)	7.0	7.0	0.00	1.0	
FLUORIDE (F)	0.8	0.8	0.00	0.1	
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	UDL	0.05	
NITRATE + NITRITE AS N	0.06	0.06	0.00	0.01	
PHOSPHORUS (P) TOT	0.049	0.04	20.22	0.005	SEE RPD
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	1.5	1.2	22.22	0.03	SEE RPD
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.018	0.018	0.00	0.003	
BARIUM (BA) TRC	0.046	0.04	13.95	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.43	0.42	2.35	0.01	
BORON (B) TRC	0.43	0.42	2.35	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	0.002	0.002	0.00	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	0.003	0.003	0.00	0.001	
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
IRON (FE) TRC	2.02	1.58	24.44	0.05	SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	0.0015	0.0012	22.22	0.0005	SEE RPD
MANGANESE (MN) DIS	1.29	1.27	1.56	0.005	
MANGANESE (MN) TRC	1.3	1.23	5.53	0.005	
MERCURY (HG) DIS	<0.0001	<0.0001	UDL	0.00005	
MERCURY (HG) TOT	<0.0001	<0.0001	UDL	0.00005	
MOLYBDENUM (MO) DIS	0.007	0.007	0.00	0.005	
MOLYBDENUM (MO) TRC	0.007	0.007	0.00	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	B1-U	B1-U			
SAMPLE DATE	10/25/11	10/25/11			
LAB	EL	EL			
LAB NUMBER	1100411005	1100411006	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1110-3	DTRCR1110-3	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	1230.0	1230.0	0.00	1.0	
TDS (MEASURED AT 180 C)	942.0	924.0	1.93	4.0	
CALCIUM (CA) DIS	66.0	66.0	0.00	1.0	
MAGNESIUM (MG) DIS	93.0	94.0	1.07	1.0	
SODIUM (NA) DIS	95.0	96.0	1.05	1.0	
POTASSIUM (K) DIS	19.0	19.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	290.0	300.0	3.39	4.0	
BICARBONATE (HCO3)	360.0	360.0	0.00	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	500.0	500.0	0.00	1.0	
CHLORIDE (CL)	7.0	7.0	0.00	1.0	
FLUORIDE (F)	1.2	1.2	0.00	0.1	
HYDROXIDE (OH)	<4.0	<4.0	UDL	4.0	
NITRATE + NITRITE AS N	0.22	0.21	4.65	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.025	0.025	0.00	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	1.16	1.18	1.71	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CD) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	0.12	0.12	0.00	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.031	0.03	3.28	0.005	
MERCORY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	0.018	0.018	0.00	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	ODL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Oetect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	B5-U	B5-U			
SAMPLE DATE	10/19/11	10/19/11			
LAB	EL	EL			
LAB NUMBER	1100335018	1100335019	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1110-3	OTRCR1110-3	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	1020.0	1010.0	0.99	1.0	
TDS (MEASURED AT 180 C)	638.0	620.0	2.86	4.0	
CALCIUM (CA) DIS	2.0	2.0	0.00	1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	1.0	
SODIUM (NA) DIS	257.0	258.0	0.39	1.0	
POTASSIUM (K) DIS	1.0	1.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	570.0	570.0	0.00	4.0	
BICARBONATE (HCO3)	620.0	620.0	0.00	4.0	
CARBONATE AS CO3	36.0	36.0	0.00	0.005	
SULFATE (SO4)	<2.0	<2.0	UDL	1.0	
CHLORIDE (CL)	24.0	25.0	4.08	1.0	
FLUORIDE (F)	2.0	2.0	0.00	0.1	
HYDROXIDE (OH)	<4.0	<4.0	UDL	4.0	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.071	0.073	2.78	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.17	0.17	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.007	0.006	15.38	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Oisolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	B8-KL	B8-KL			
SAMPLE DATE	08/23/11	08/23/11			
LAB	EL	EL			
LAB NUMBER	1080476003	1080476004	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1108-8	OTRCR1108-8	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	1980.0	1990.0	0.50	1.0	
TDS (MEASURED AT 180 C)	1480.0	1570.0	5.90	4.0	
CALCIUM (CA) DIS	13.0	13.0	0.00	1.0	
CALCIUM (CA) TRC	13.0	13.0	0.00	1.0	
MAGNESIUM (MG) DIS	8.0	8.0	0.00	1.0	
SODIUM (NA) DIS	495.0	497.0	0.40	1.0	
SODIUM (NA) TRC	519.0	505.0	2.73	1.0	
POTASSIUM (K) DIS	3.0	3.0	0.00	1.0	
POTASSIUM (K) TRC	3.0	3.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	470.0	460.0	2.15	4.0	
BICARBONATE (HCO3)	540.0	530.0	1.87	4.0	
CARBONATE AS CO3	17.0	17.0	0.00	0.005	
SULFATE (SO4)	700.0	700.0	0.00	1.0	
CHLORIDE (CL)	10.0	10.0	0.00	1.0	
FLUORIDE (F)	0.9	0.9	0.00	0.1	
TOTAL AMMONIA (NH3+NH4 AS N)	1.07	1.15	7.21	0.05	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	0.01	
PHOSPHORUS (P) TOT	0.025	0.026	3.92	0.005	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	<0.1	0.06	50.00	0.03	SEE RPD
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.036	0.036	0.00	0.003	
BARIUM (BA) TRC	0.039	0.042	7.41	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.13	0.13	0.00	0.01	
BORON (B) TRC	0.13	0.13	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	0.003	0.002	40.00	0.001	SEE RPD
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
IRON (FE) TRC	0.06	0.09	40.00	0.05	<CRDL
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.02	0.019	5.13	0.005	
MANGANESE (MN) TRC	0.02	0.02	0.00	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MERCURY (HG) TOT	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	P4	P4				
SAMPLE DATE	10/20/11	10/20/11				
LAB	EL	EL				
LAB NUMBER	1100333006	1100333007	RELATIVE			
REMARKS		DUPLICATE	PERCENT	DETECTION		
SAMPLE NUMBER	DTRCR1110-7	DTRCR1110-7	DIFFERENCE	LIMITS	VALIDATION	NOTES
SC (UMHOS/CM AT 25 C)	3580.0	3490.0	2.55	1.0		
TDS (MEASURED AT 180 C)	3650.0	3710.0	1.63	4.0		
TOTAL SUSPENDED SOLIDS	142.0	38.0	115.56	4.0		SEE RPD
TURBIDITY (NTU)	59.0	24.0	84.34	0.1		SEE RPD
CALCIUM (CA) DIS	262.0	261.0	0.38	1.0		
CALCIUM (CA) TRC	264	263	0.38	1.0		
MAGNESIUM (MG) DIS	205.0	204.0	0.49	1.0		
SODIUM (NA) DIS	489	490	0.20	1.0		
SODIUM (NA) TRC	500	491	1.82	1.0		
POTASSIUM (K) DIS	18.0	18.0	0.00	1.0		
POTASSIUM (K) TRC	18	18	0.00	1.0		
TOTAL ALKALINITY AS CACO3	450.0	450.0	0.00	4.0		
BICARBONATE (HCO3)	550.0	550.0	0.00	4.0		
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005		
SULFATE (SO4)	2000.0	2100.0	4.88	1.0		
CHLORIDE (CL)	12.0	12.0	0.00	1.0		
FLUORIDE (F)	0.3	0.4	28.57	0.1		<CRDL
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	UDL	0.05		
NITRATE + NITRITE AS N	0.02	0.02	0.00	0.01		
PHOSPHORUS (P) TOT	0.063	0.041	42.31	0.005		SEE RPD
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01		
ALUMINUM (AL) TRC	0.9	0.3	100.00	0.03		SEE RPD
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003		
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003		
BARIUM (BA) DIS	0.088	0.088	0.00	0.003		
BARIUM (BA) TRC	0.1	0.093	7.25	0.005		
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001		
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001		
BORON (B) DIS	0.15	0.15	0.00	0.01		
BORON (B) TRC	0.15	0.15	0.00	0.01		
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008		
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008		
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001		
CHROMIUM (CR) TRC	0.002	<0.001	66.67	0.001		SEE RPD
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001		
COPPER (CU) TRC	0.002	0.001	66.67	0.001		SEE RPD
IRON (FE) DIS	0.14	0.13	7.41	0.05		
IRON (FE) TRC	1.8	1.1	48.28	0.05		SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005		
LEAD (PB) TRC	0.0011	0.0006	58.82	0.0005		SEE RPD
MANGANESE (MN) DIS	0.822	0.813	1.10	0.005		
MANGANESE (MN) TRC	0.83	0.825	0.60	0.005		
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005		
MERCURY (HG) TOT	<0.00005	<0.00005	UDL	0.00005		
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005		
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005		
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01		
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01		
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001		
SELENIUM (SE) TRC	0.001	0.001	0.00	0.001		
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001		
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1		
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01		
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	SW-23	SW-23			
SAMPLE DATE	06/15/11	06/15/11			
LAB	EL	EL			
LAB NUMBER	1060332001	1060332002	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1106-1	OTRCR1106-1	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	3580.0	3520.0	1.69	1.0	
TDS (MEASURED AT 180 C)	3050.0	3050.0	0.00	4.0	
TOTAL SUSPENDED SOLIDS	16	6	90.91	4.0	SEE RPD
TURBIDITY (NTU)	9.5	5.2	58.50	0.1	SEE RPD
CALCIUM (CA) DIS	119.0	117.0	1.69	1.0	
CALCIUM (CA) TRC	115	122	5.91	1.0	
MAGNESIUM (MG) DIS	224.0	222.0	0.90	1.0	
SODIUM (NA) DIS	494.0	484.0	2.04	1.0	
SODIUM (NA) TRC	479	508	5.88	1.0	
POTASSIUM (K) DIS	19.0	19.0	0.00	1.0	
POTASSIUM (K) TRC	19	20	5.13	1.0	
TOTAL ALKALINITY AS CACO3	640.0	640.0	0.00	4.0	
BICARBONATE (HCO3)	780.0	780.0	0.00	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	1700.0	1800.0	5.71	1.0	
CHLORIDE (CL)	6.0	6.0	0.00	1.0	
FLUORIDE (F)	0.6	0.6	0.00	0.1	
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	UDL	0.05	
NITRATE + NITRITE AS N	2.39	<0.01	198.33	0.01	SEE RPD
PHOSPHORUS (P) TOT	0.096	0.092	4.26	0.005	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	0.1	<0.1	0.00	0.03	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.054	0.055	1.83	0.003	
BARIUM (BA) TRC	0.054	0.055	1.83	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.57	0.57	0.00	0.01	
BORON (B) TRC	0.56	0.58	3.51	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHRDMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	0.12	0.11	8.70	0.05	
IRON (FE) TRC	0.37	0.27	31.25	0.05	SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	1.4	1.47	4.88	0.005	
MANGANESE (MN) TRC	1.4	1.52	8.22	0.005	
MERCURY (HG) DIS	<0.0001	<0.0001	UDL	0.00005	
MERCORY (HG) TOT	<0.0001	<0.0001	UDL	0.00005	
MDLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	SW-25	SW-25			
SAMPLE DATE	10/26/11	10/26/11			
LAB	EL	EL			
LAB NUMBER	1100409006	1100409007	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1110-7	OTRCR1110-7	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	4010.0	3920.0	2.27	1.0	
TDS (MEASURED AT 180 C)	3580.0	3640.0	1.66	4.0	
TOTAL SUSPENDED SOLIDS	13.0	9.0	36.36	4.0	SEE RPD
TURBIDITY (NTU)	1.7	1.2	34.48	0.1	SEE RPD
CALCIUM (CA) DIS	131.0	131.0	0.00	1.0	
CALCIUM (CA) TRC	128.0	125.0	2.37	1.0	
MAGNESIUM (MG) DIS	266.0	266.0	0.00	1.0	
SODIUM (NA) DIS	717	705	1.69	1.0	
SODIUM (NA) TRC	720.0	687.0	4.69	1.0	
POTASSIUM (K) DIS	31.0	31.0	0.00	1.0	
POTASSIUM (K) TRC	29.0	27.0	7.14	1.0	
TOTAL ALKALINITY AS CACO3	920.0	910.0	1.09	4.0	
BICARBONATE (HCO3)	1100.0	1100.0	0.00	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	1800.0	1900.0	5.41	1.0	
CHLORIDE (CL)	21.0	22.0	4.65	1.0	
FLUORIDE (F)	1.3	1.3	0.00	0.1	
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	UDL	0.05	
NITRATE + NITRITE AS N	0.14	0.12	15.38	0.01	
PHOSPHORUS (P) TOT	0.061	0.06	1.65	0.005	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	<0.1	<0.1	DDL	0.03	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.024	0.024	0.00	0.003	
BARIUM (BA) TRC	0.024	0.025	4.08	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.74	0.77	3.97	0.01	
BORON (B) TRC	0.76	0.76	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	0.001	<0.001	0.00	0.001	
IRON (FE) DIS	0.11	0.1	9.52	0.05	
IRON (FE) TRC	0.18	0.13	32.26	0.05	SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.094	0.094	0.00	0.005	
MANGANESE (MN) TRC	0.091	0.070	26.09	0.005	SEE RPD
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MERCURY (HG) TOT	<0.00005	<D.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	0.001	0.001	0.00	0.001	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary of Field Duplicates

OTTCRK - Otter Creek Coal

SITE CODE	SW-9	SW-9			
SAMPLE DATE	08/25/11	08/25/11			
LAB	EL	EL			
LAB NUMBER	1080473004	1080473005	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1108-9	DTRCR1108-9	DIFFERENCE	LIMITS	VALIDATION NOTES
SC (UMHOS/CM AT 25 C)	6570.0	6600.0	0.46	1.0	
TDS (MEASURED AT 180 C)	7570.0	7470.0	1.33	4.0	
TOTAL SUSPENDED SOLIDS	48.0	46.0	4.26	4.0	
TURBIDITY (NTU)	23.2	37.7	47.62	0.1	SEE RPD
CALCIUM (CA) DIS	293.0	294	0.34	1.0	
CALCIUM (CA) TRC	305	310	1.63	1.0	
MAGNESIUM (MG) DIS	530.0	531.0	0.19	1.0	
SODIUM (NA) DIS	1140.0	1130.0	0.88	1.0	
SODIUM (NA) TRC	1160	1160	0.00	1.0	
POTASSIUM (K) DIS	28.0	28.0	0.00	1.0	
POTASSIUM (K) TRC	28	28	0.00	1.0	
TOTAL ALKALINITY AS CACO3	230.0	240.0	4.26	4.0	
BICARBONATE (HCO3)	280.0	290.0	3.51	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	5000.0	5000.0	0.00	1.0	
CHLORIDE (CL)	27.0	26.0	3.77	1.0	
FLUORIDE (F)	0.3	0.3	0.00	0.1	
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	UDL	0.05	
NITRATE + NITRITE AS N	0.02	0.02	0.00	0.01	
PHOSPHORUS (P) TOT	0.149	0.143	4.11	0.005	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	0.1	0.4	120.00	0.03	<CRDL
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.050	0.048	4.08	0.003	
BARIUM (BA) TRC	0.054	0.056	3.64	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.40	0.38	5.13	0.01	
BORON (B) TRC	0.39	0.37	5.26	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	0.002	0.002	0.00	0.001	
COPPER (CU) TRC	0.003	0.004	28.57	0.001	<CRDL
IRON (FE) DIS	0.07	<0.05	33.33	0.05	SEE RPD
IRON (FE) TRC	1.33	2.08	43.99	0.05	SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	0.0007	33.33	0.0005	<CRDL
MANGANESE (MN) DIS	0.618	0.603	2.46	0.005	
MANGANESE (MN) TRC	0.883	0.969	9.29	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MERCURY (HG) TOT	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	0.01	0.00	0.01	
NICKEL (NI) TRC	0.01	0.01	0.00	0.01	
SELENIUM (SE) DIS	0.001	0.001	0.00	0.001	
SELENIUM (SE) TRC	0.001	0.001	0.00	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC		<0.01	200.00	0.01	<CRDL

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Dissolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 4. Summary of Field Blanks
Otter Creek Coal, LLC
October 2010 to December 2011
** Indicates analyte present at or above the DTL*

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMP DATE	6/21/2011	8/23/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011
SAMP #	OTRCR1106-005	OTRCR1108-807	OTRCR1110-323	OTRCR1110-717	OTRCR1110-340	OTRCR1110-764
LAB #	1060450005	1080476008	1100335024	1100333013	1100411012	1100409011
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	NA	<0.1	NA	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	NA	<0.003	NA	<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC	<0.005	<0.005	NA	<0.005	NA	NA
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
BICARBONATE (HCO3)	<4	<4	<4	<4	<4	<4
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BORON (B) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	NA	<0.00008	NA	<0.00008
CALCIUM (CA) DIS	<1	<1	<1	<1	<1	<1
CALCIUM (CA) TRC	<1	<1	NA	<1	NA	<1
CARBONATE AS CO3	<4	<4	<4	<4	<4	<4
CHLORIDE (CL)	<1	<1	<1	<1	<1	<1
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	NA	NA	<4	NA	<4	NA
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	<0.05	<0.05	NA	<0.05	NA	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	NA	<0.0005	NA	<0.0005
MAGNESIUM (MG) DIS	<1	<1	<1	<1	<1	<1
MAGNESIUM (MG) TRC	<1	<1	NA	<1	NA	<1
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005	NA	<0.005	NA	<0.005
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	NA	<0.00005	NA	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	NA	<0.005	NA	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	**0.02 ***	<0.01	<0.01
PH	6	5.9	7	5.7	5.5	5.5
PHOSPHORUS (P) TOT	<0.0005	<0.0005	NA	<0.0005	NA	<0.0005
POTASSIUM (K) DIS	<1	<1	<1	<1	<1	<1
POTASSIUM (K) TRC	<1	<1	NA	<1	NA	<1
SC (UMHOS/CM AT 25 C)	6	2	1	1	1	<1
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
SODIUM (NA) DIS	<1	<1	<1	<1	<1	<1
SODIUM (NA) TRC	<1	<1	NA	<1	NA	<1
SULFATE (SO4)	<1	<5	<1	<1	<1	<1
TDS (MEASURED AT 180 C)	22	<4	<4	<4	8	<4
TOTAL ALK AS CACO3	<4	<4	<4	<4	<4	<4
TOT AMMON (NH3+NH4 AS N)	<0.05	<0.05	NA	<0.05	NA	<0.05
TOTAL SUSPENDED SOLIDS	NA	NA	NA	<4	NA	4

Table 4. Summary of Field Blanks
Otter Creek Coal, LLC
October 2010 to December 2011
** Indicates analyte present at or above the DTL*

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMP DATE	6/21/2011	8/23/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011
SAMP #	OTRCR1106-005	OTRCR1108-807	OTRCR1110-323	OTRCR1110-717	OTRCR1110-340	OTRCR1110-764
LAB #	1060450005	1080476008	1100335024	1100333013	1100411012	1100409011
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
TURBIDITY (NTU)	NA	NA	NA	0.2	NA	<0.2
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	NA	<0.1	NA	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01

Table 4. Summary of Field Blanks
Otter Creek Coal, LLC
October 2010 to December 2011
** Indicates analyte present at or abo*

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMP DATE	6/21/2011	8/25/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011
SAMP #	OTRCR1106-006	OTRCR1108-816	OTRCR1110-326	OTRCR1110-718	OTRCR1110-339	OTRCR1110-763
LAB #	1060450006	1080476017	1100335027	1100333014	1100411011	1100409010
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	NA	<0.1	NA	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	NA	<0.003	NA	<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC	<0.005	<0.005	NA	<0.005	NA	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
BICARBONATE (HCO3)	<4	<4	<4	<4	<4	<4
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BORON (B) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	NA	<0.00008	NA	<0.00008
CALCIUM (CA) DIS	<1	<1	<1	<1	<1	<1
CALCIUM (CA) TRC	<1	<1	NA	<1	NA	<1
CARBONATE AS CO3	<4	<4	<4	<4	<4	<4
CHLORIDE (CL)	<1	<1	<1	<1	<1	<1
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	NA	NA	<4	NA	<4	NA
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	<0.05	<0.05	NA	<0.05	NA	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	NA	<0.0005	NA	<0.0005
MAGNESIUM (MG) DIS	<1	<1	<1	<1	<1	<1
MAGNESIUM (MG) TRC	<1	<1	NA	<1	NA	<1
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005	NA	<0.005	NA	<0.005
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	NA	<0.00005	NA	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	NA	<0.005	NA	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	**0.02 ***	<0.01	<0.01
PH	5.7	6.2	6.4	5.4	5.8	6
PHOSPHORUS (P) TOT	<0.0005	<0.0005	NA	<0.0005	NA	<0.0005
POTASSIUM (K) DIS	<1	<1	<1	<1	<1	<1
POTASSIUM (K) TRC	<1	<1	NA	<1	NA	<1
SC (UMHOS/CM AT 25 C)	1	2	2	1	1	2
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001	NA	<0.001	NA	<0.001
SODIUM (NA) DIS	**2.0 ***	<1	<1	<1	<1	<1
SODIUM (NA) TRC	<1	<1	NA	<1	NA	<1
SULFATE (SO4)	<1	<1	<1	<1	<1	<1
TDS (MEASURED AT 180 C)	26	6	6	<4	8	<4
TOTAL ALK AS CACO3	<4	<4	<4	<4	<4	<4
TOT AMMON (NH3+NH4 AS N)	<0.05	<0.05	NA	<0.05	NA	<0.05
TOTAL SUSPENDED SOLIDS	NA	NA	NA	<4	NA	<4

Table 4. Summary of Field Blanks
Otter Creek Coal, LLC
October 2010 to December 2011
** Indicates analyte present at or abo*

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMP DATE	6/21/2011	8/25/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011
SAMP #	OTRCR1106-006	OTRCR1108-816	OTRCR1110-326	OTRCR1110-718	OTRCR1110-339	OTRCR1110-763
LAB #	1060450006	1080476017	1100335027	1100333014	1100411011	1100409010
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
TURBIDITY (NTU)	NA	NA	NA	<0.1	NA	<0.2
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	NA	<0.1	NA	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	NA	<0.01	NA	<0.01

ATTACHMENTS

SUMMARY ANALYSES REPORT

OTTCRK - Otter Creek Coal - WQ Data Thru December 2011

INDEX

Page	Site Code	Site Name	Site Type	Elevation MP	Well Depth
53	A1	A1	Groundwater		
55	A2	STATE A2	Groundwater		
57	A3	A3	Groundwater		
59	A4	A4	Groundwater		
61	A5	STATE A5	Groundwater		
63	A6	GNP A6	Groundwater		
65	A7	A7	Groundwater		
67	AVF1-2	AVF1-2	Groundwater		
69	AVF2-2	AVF2-2	Groundwater		
71	AVF3-2	GNP AVF3-2	Groundwater		
73	AVF4-1	AVF4-1	Groundwater		
75	AVF5-1	AVF5-1	Groundwater		
77	AVF6-3	STATE AVF6-3	Groundwater		
79	B1-C	GNP B1-C	Groundwater		
80	B1-K	B1-K	Groundwater		
81	B1-U	GNP B1-U	Groundwater		
83	B2-K	B2-K	Groundwater		
85	B2-O	B2-O	Groundwater		
86	B2-U	B2-U	Groundwater		
88	B3-K	STATE B3-K	Groundwater		
90	B3-U	STATE B3-U	Groundwater		
92	B4-K	STATE B4-K	Groundwater		
94	B4-O	STATE B4-O	Groundwater		
96	B4-U	STATE B4-U	Groundwater		
98	B5-K	GNP B5-K	Groundwater		
100	B5-O	GNP B5-O	Groundwater		
102	B5-U	GNP B5-U	Groundwater		
104	B6-K	STATE B6-K	Groundwater		
106	B6-O	STATE B6-O	Groundwater		
108	B6-U	STATE B6-U	Groundwater		
110	B7-KL	STATE B7-KL	Groundwater		
112	B7-KU	STATE B7-KU	Groundwater		
114	B7-O	STATE B7-O	Groundwater		
116	B7-U	STATE B7-U	Groundwater		
118	B8-KL	STATE B8-KL	Groundwater		
120	B8-KU	STATE B8-KU	Groundwater		
122	B8-O	STATE B8-O	Groundwater		
124	B8-U	STATE B8-U	Groundwater		
126	B9-K	STATE B9-K	Groundwater		
128	B9-U	STATE B9-U	Groundwater		
130	B10-KL	B10-KL	Groundwater		
132	B10-KU	B10-KU	Groundwater		
134	B10-O	B10-O	Groundwater		
136	B10-U	B10-U - Well Battery 10 Underburden	Groundwater		
138	B11-K	GNP B11-K	Groundwater		
140	B11-O	GNP B11-O	Groundwater		
142	B11-U	GNP B11-U	Groundwater		
144	C-1	STATE C-1 CLINKER	Groundwater		
146	C-2	C-2 CLINKER	Groundwater		
148	C-3	STATE C-3 CLINKER	Groundwater		
150	C-4	GNP C-4 CLINKER	Groundwater		
186	COAL CREEK SPRING ST	COAL CREEK SPRING AT STOCK TANK 6	Springs, Seeps, & Adits		
178	DI BLANK	DI BLANK	Quality Control		
187	FORTUNE SPRING	FORTUNE SPRING	Springs, Seeps, & Adits		
152	K-1	GNP K-1	Groundwater		
154	K-2	STATE K-2	Groundwater		
156	K-3	STATE K-3	Groundwater		
158	K-4	STATE K-4	Groundwater		
160	K-5	GNP K-5	Groundwater		
162	K-6	STATE K-6	Groundwater		
166	P1	GNP P1 Mine Area Pond Water	POND		
168	P2	GNP P2 Mine Area Pond Water	POND		
170	P3	GNP P3 Downgradient Pond Water	POND		
172	P4	STATE P4 Pond Water Quality Stage	POND		
174	P5	P5 Shorty Creek Resv. Upgradient Pond Water	POND		
176	P6	P6 Pond Water	POND		
182	RINS BLANK	RINS BLANK	Quality Control		
164	SECTION 33 SPRING	Well - UNAMED SPRING - SECTION 33	Groundwater		
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3	SW-1A	SW-1A	Surface Water		
5	SW-2	SW-2 Otter Crk Dwngradient, upstream of 3 Mi	Surface Water		

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Sample Type: Surface Water

SITE CODE	SW-1	SW-1	SW-1	SW-1	SW-1
SAMPLE DATE	06/14/2011	10/26/2011	03/14/2012	03/23/2012	04/19/2012
SAMPLE TIME	09:30		08:30	09:00	08:55
LAB	EL	HYDRO	HYDRO	EL	HYDRO
LAB NUMBER	1060328001			2030308006	
REMARKS		NO SAMPLE	NO SAMPLE		NO SAMPLE
OTHER INFO			Frozen		
SAMPLE NUMBER	OTRCR1106-101	OTRCR1110-770	OCC-1203-125	OCC-1203-121	OCC-1204-112
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	DRY	DRY	FROZEN	NO MEAS	DRY
PH (FLD)	7.4			7.46	
PH	5.4			7.0	
SODIUM ADSORPTION RATIO	0.05			0.36	
SC (UMHOS/CM AT 25 C)	40.0			580.0	
SC (UMHOS/CM AT 25 C) (FLD)	260.0			197.0	
TDS - CALCULATED	11.0				
TDS (MEASURED AT 180 C)				748.0	
TOTAL SUSPENDED SOLIDS				94.0	
WATER TEMPERATURE (FLD)	25.3			6.1	
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	2.0			39.0	
CALCIUM (CA) TRC	2.0			15.0	
MAGNESIUM (MG) DIS	<1.0			18.0	
MAGNESIUM (MG) TRC	<1.0			5.0	
SODIUM (NA) DIS	<1.0			11.0	
SODIUM (NA) TRC	<1.0			2.0	
POTASSIUM (K) DIS	<1.0			80.0	
POTASSIUM (K) TRC	<1.0			20.0	
TOTAL ALKALINITY AS CACO3	<4.0			190.0	
BICARBONATE (HCO3)	<4.0			230.0	
CARBONATE AS CO3	<4.0			<1.0	
SULFATE (SO4)	1.0			24.0	
CHLORIDE (CL)	<1.0			27.0	
FLUORIDE (F)	5.0			1.3	
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	2.6				
NITRATE + NITRITE AS N	0.12			0.04	
PHOSPHORUS (P) TOT	0.05				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1			<0.1	
ALUMINUM (AL) TRC	<0.1			<0.1	
ARSENIC (AS) DIS	<0.003			<0.003	
ARSENIC (AS) TRC	<0.003			<0.003	
BARIUM (BA) DIS	0.008			0.144	
BARIUM (BA) TRC	0.011			0.079	
BERYLLIUM (BE) DIS	<0.001			<0.001	
BERYLLIUM (BE) TRC	<0.001			<0.001	
BORON (B) DIS	<0.01			0.27	
BORON (B) TRC	0.01			0.09	
CADMIUM (CD) DIS	<0.00008			0.00016	
CADMIUM (CD) TRC	0.00015			0.00009	
CHROMIUM (CR) DIS	<0.001			0.001	
CHROMIUM (CR) TRC	<0.001			<0.001	
COPPER (CU) DIS	<0.001			0.015	
COPPER (CU) TRC	<0.001			0.006	
IRON (FE) DIS	0.05			0.25	
IRON (FE) TRC	<0.05			0.24	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1	SW-1	SW-1	SW-1	SW-1
SAMPLE DATE	06/14/2011	10/26/2011	03/14/2012	03/23/2012	04/19/2012
SAMPLE TIME	09:30		08:30	09:00	08:55
LAB	EL	HYDRO	HYDRO	EL	HYDRO
LAB NUMBER	1060328001			2030308006	
REMARKS		NO SAMPLE	NO SAMPLE		NO SAMPLE
OTHER INFO			Frozen		
SAMPLE NUMBER	OTRCR1106-101	OTRCR1110-770	OCC-1203-125	OCC-1203-121	OCC-1204-112
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) DIS	<0.0005			0.0009	
LEAD (PB) TRC	<0.0005			0.0005	
MANGANESE (MN) DIS	0.038			0.207	
MANGANESE (MN) TRC	0.019			0.125	
MERCURY (HG) DIS	<0.0001			<0.00005	
MERCURY (HG) TOT	<0.0001			<0.00005	
MOLYBDENUM (MO) DIS	<0.005			0.006	
MOLYBDENUM (MO) TRC	<0.005			<0.005	
NICKEL (NI) DIS	<0.01			<0.01	
NICKEL (NI) TRC	<0.01			<0.01	
SELENIUM (SE) DIS	<0.001			<0.001	
SELENIUM (SE) TRC	<0.001			<0.001	
VANADIUM (V) DIS	<0.1			<0.1	
VANADIUM (V) TRC	<0.1			<0.1	
ZINC (ZN) DIS	0.12			0.26	
ZINC (ZN) TRC	0.13			0.12	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A	SW-1A	SW-1A	SW-1A
SAMPLE DATE	10/26/2011	10/26/2011	03/14/2012	05/03/2012
SAMPLE TIME	08:30	08:35	10:30	16:40
LAB	EL	EL	EL	EL
LAB NUMBER	1100409006	1100409007	2030214001	2050095030
REMARKS		DUPLICATE		
SAMPLE NUMBER	OTRCR1110-759	OTRCR1110-760	OCC-1203-100	OCC-1205-711
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	NO MEAS		0.15	NO MEAS
PH (FLD)	8.25		7.32	8.18
PH	8.3	8.3	7.8	8.0
SODIUM ADSORPTION RATIO	8.3	7.92	7.31	7.72
SC (UMHOS/CM AT 25 C)	4010.0	3920.0	3580.0	4080.0
SC (UMHOS/CM AT 25 C) (FLD)	4480.0		4550.0	3937.0
TDS (MEASURED AT 180 C)	3580.0	3640.0	2540.0	3170.0
TOTAL SUSPENDED SOLIDS	13.0	9.0	10.0	12.0
TURBIDITY (NTU)	1.7	1.2	3.1	1.2
	J4D			
WATER TEMPERATURE (FLD)	2.7		4.0	15.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	131.0	131.0	84.0	106.0
CALCIUM (CA) TRC	128.0	125.0	100.0	100.0
MAGNESIUM (MG) DIS	266.0	266.0	196.0	227.0
MAGNESIUM (MG) TRC	260.0	252.0	259.0	219.0
SODIUM (NA) DIS	717.0	705.0	536.0	614.0
SODIUM (NA) TRC	720.0	687.0	723.0	629.0
POTASSIUM (K) DIS	31.0	31.0	19.0	22.0
POTASSIUM (K) TRC	29.0	27.0	23.0	20.0
TOTAL ALKALINITY AS CACO3	920.0	910.0	620.0	840.0
BICARBONATE (HCO3)	1100.0	1100.0	760.0	990.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	19.0
SULFATE (SO4)	1800.0	1900.0	1300.0	1700.0
CHLORIDE (CL)	21.0	22.0	14.0	13.0
FLUORIDE (F)	1.3	1.3	0.7	1.2
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		
NITRATE + NITRITE AS N	0.14	0.12	0.09	<0.01
PHOSPHORUS (P) TOT	0.061	0.06		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.024	0.024	0.021	0.028
BARIUM (BA) TRC	0.024	0.025	0.028	0.027
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.74	0.77	0.52	0.68
BORON (B) TRC	0.76	0.76	0.62	0.67
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	0.001	<0.001
COPPER (CU) TRC	0.001	<0.001	<0.001	<0.001
IRON (FE) DIS	0.11	0.1	0.22	0.08

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A	SW-1A	SW-1A	SW-1A
SAMPLE DATE	10/26/2011	10/26/2011	03/14/2012	05/03/2012
SAMPLE TIME	08:30	08:35	10:30	16:40
LAB	EL	EL	EL	EL
LAB NUMBER	1100409006	1100409007	2030214001	2050095030
REMARKS		DUPLICATE		
SAMPLE NUMBER	OTRCR1110-759	OTRCR1110-760	OCC-1203-100	OCC-1205-711
-- METALS & MINOR CONSTITUENTS --				
IRON (FE) TRC	0.18	0.13	0.4	0.18
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	0.094	0.094	0.551	0.047
MANGANESE (MN) TRC	0.091	0.07	0.471	0.051
	J4D			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.001	0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2	SW-2	SW-2
SAMPLE DATE	06/15/2011	10/26/2011	03/14/2012	05/03/2012
SAMPLE TIME	10:40	10:00	18:30	14:45
LAB	BL	BL	BL	BL
LAB NUMBER	1060332005	1100409009	2030214010	2050095028
SAMPLE NUMBER	OTRCR1106-113	OTRCR1110-762	OCC-1203-109	OCC-1205-709
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	29.7	8.3	NO MEAS	7.63
PH (FLD)	8.05	8.78	8.03	8.54
PH	8.5	8.6	8.1	8.4
SODIUM ADSORPTION RATIO	5.58	6.24	4.82	5.9
SC (UMHOS/CM AT 25 C)	3640.0	3410.0	3290.0	3970.0
SC (UMHOS/CM AT 25 C) (FLD)	4030.0	3850.0	2950.0	3902.0
TDS (MEASURED AT 180 C)	3200.0	3000.0	2490.0	3420.0
TOTAL SUSPENDED SOLIDS	6.0	18.0	34.0	92.0
	J4D			
TURBIDITY (NTU)	3.6	9.1	20.1	48.2
	J4D	J4D		
WATER TEMPERATURE (FLD)	19.8	4.9	8.0	15.4
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	143.0	131.0	129.0	138.0
CALCIUM (CA) TRC	145.0	132.0	135.0	127.0
MAGNESIUM (MG) DIS	253.0	251.0	200.0	253.0
MAGNESIUM (MG) TRC	258.0	252.0	201.0	269.0
SODIUM (NA) DIS	479.0	520.0	375.0	516.0
SODIUM (NA) TRC	480.0	530.0	382.0	514.0
POTASSIUM (K) DIS	20.0	22.0	18.0	20.0
POTASSIUM (K) TRC	21.0	22.0	18.0	18.0
TOTAL ALKALINITY AS CACO3	630.0	620.0	480.0	620.0
BICARBONATE (HCO3)	700.0	670.0	580.0	660.0
CARBONATE AS CO3	30.0	40.0	<1.0	45.0
SULFATE (SO4)	1700.0	1800.0	1400.0	1900.0
CHLORIDE (CL)	12.0	22.0	13.0	20.0
FLUORIDE (F)	0.6	0.6	0.5	0.6
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		
NITRATE + NITRITE AS N	<0.01	<0.01	0.38	<0.01
	UJ4D			
PHOSPHORUS (P) TOT	0.029	0.02		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	0.2	0.6	1.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.087	0.01	0.043	0.032
BARIUM (BA) TRC	0.091	0.012	0.048	0.047
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.4	0.38	0.24	0.32
BORON (B) TRC	0.4	0.39	0.25	0.34
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	0.002

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2	SW-2	SW-2
SAMPLE DATE	06/15/2011	10/26/2011	03/14/2012	05/03/2012
SAMPLE TIME	10:40	10:00	18:30	14:45
LAB	EL	EL	EL	EL
LAB NUMBER	1060332005	1100409009	2030214010	2050095028
SAMPLE NUMBER	OTRCR1106-113	OTRCR1110-762	OCC-1203-109	OCC-1205-709
-- METALS & MINOR CONSTITUENTS --				
COPPER (CU) DIS	0.001	<0.001	0.002	<0.001
COPPER (CU) TRC	0.001	<0.001	0.002	0.002
IRON (FE) DIS	0.08	<0.05	<0.05	<0.05
IRON (FE) TRC	0.22	0.32	1.11	1.74
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	0.0007	0.0015
MANGANESE (MN) DIS	0.099	0.055	0.571	0.062
MANGANESE (MN) TRC	0.106	0.063	0.595	0.295
		J4D		
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	0.001	<0.001	0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3	SW-3	SW-3	SW-3
SAMPLE DATE	10/21/2011	12/12/2011	03/14/2012	04/19/2012	05/23/2012
SAMPLE TIME	10:00	15:15	17:30	14:20	08:20
LAB	HYDRO	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER			2030214009		
REMARKS	NO SAMPLE	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1110-779	OTRCR1112-105	OCC-1203-108	OCC-1204-108	OCC-1205-607
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	DRY	DRY	NO MEAS	DRY	DRY
PH (FLD)			7.35		
PH			7.2		
SODIUM ADSORPTION RATIO			2.09		
SC (UMHOS/CM AT 25 C)			1070.0		
SC (UMHOS/CM AT 25 C) (FLD)			1015.0		
TDS (MEASURED AT 180 C)			746.0		
TOTAL SUSPENDED SOLIDS			128.0		
TURBIDITY (NTU)			60.1		
WATER TEMPERATURE (FLD)			11.3		
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS			58.0		
CALCIUM (CA) TRC			60.0		
MAGNESIUM (MG) DIS			44.0		
MAGNESIUM (MG) TRC			49.0		
SODIUM (NA) DIS			90.0		
SODIUM (NA) TRC			94.0		
POTASSIUM (K) DIS			17.0		
POTASSIUM (K) TRC			18.0		
TOTAL ALKALINITY AS CACO3			190.0		
BICARBONATE (HCO3)			230.0		
CARBONATE AS CO3			<1.0		
SULFATE (SO4)			340.0		
CHLORIDE (CL)			5.0		
FLUORIDE (F)			0.1		
-- NUTRIENTS --					
NITRATE + NITRITE AS N			0.02		
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS			0.6		
ALUMINUM (AL) TRC			1.4		
ARSENIC (AS) DIS			<0.003		
ARSENIC (AS) TRC			<0.003		
BARIUM (BA) DIS			0.059		
BARIUM (BA) TRC			0.072		
BERYLLIUM (BE) DIS			<0.001		
BERYLLIUM (BE) TRC			<0.001		
BORON (B) DIS			0.1		
BORON (B) TRC			0.1		
CADMIUM (CD) DIS			0.00008		
CADMIUM (CD) TRC			<0.00008		
CHROMIUM (CR) DIS			<0.001		
CHROMIUM (CR) TRC			0.002		
COPPER (CU) DIS			0.004		
COPPER (CU) TRC			0.005		
IRON (FE) DIS			0.54		
IRON (FE) TRC			1.91		
LEAD (PB) DIS			0.0014		
LEAD (PB) TRC			<0.0005		
MANGANESE (MN) DIS			0.193		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3	SW-3	SW-3	SW-3
SAMPLE DATE	10/21/2011	12/12/2011	03/14/2012	04/19/2012	05/23/2012
SAMPLE TIME	10:00	15:15	17:30	14:20	08:20
LAB	HYDRO	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER			2030214009		
REMARKS	NO SAMPLE	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1110-779	OTRCR1112-105	OCC-1203-108	OCC-1204-108	OCC-1205-607
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN) TRC			0.156		
MERCURY (HG) DIS			<0.00005		
MERCURY (HG) TOT			<0.00005		
MOLYBDENUM (MO) DIS			<0.005		
MOLYBDENUM (MO) TRC			<0.005		
NICKEL (NI) DIS			<0.01		
NICKEL (NI) TRC			<0.01		
SELENIUM (SE) DIS			<0.001		
SELENIUM (SE) TRC			<0.001		
VANADIUM (V) DIS			<0.1		
VANADIUM (V) TRC			<0.1		
ZINC (ZN) DIS			0.07		
ZINC (ZN) TRC			0.09		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4	SW-4	SW-4	SW-4	SW-4	SW-4
SAMPLE DATE	06/14/2011	10/21/2011	12/08/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	13:00	08:30	08:40	16:00	17:00	13:31	09:24
LAB	EL	EL	EL	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328004	1100333010	1120137001		2030308004		
REMARKS				NO SAMPLE		NO SAMPLE	NO SAMPLE
OTHER INFO				Frozen			
SAMPLE NUMBER	OTRCR1106-104	OTRCR1110-714	OTRCR1112-102	OCC-1203-129	OCC-1203-119	OCC-1204-105	OCC-1205-609
-- PHYSICAL PARAMETERS --							
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	FROZEN	NO MEAS	DRY	DRY
PH (FLD)	7.51	7.65	6.62		7.66		
PH	8.0	7.7	6.5		6.8		
SODIUM ADSORPTION RATIO	0.74	0.2	0.37		0.59		
SC (UMHOS/CM AT 25 C)	380.0	778.0	226.0		241.0		
SC (UMHOS/CM AT 25 C) (FLD)	360.0	300.0	2726.0		461.0		
TDS - CALCULATED	216.0						
TDS (MEASURED AT 180 C)		608.0	318.0		190.0		
TOTAL SUSPENDED SOLIDS		350.0	278.0		46.0		
TURBIDITY (NTU)		262.0	8440.0		26.3		
		H					
WATER TEMPERATURE (FLD)	18.5	8.8	9.2		8.3		
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	40.0	23.0	22.0		43.0		
CALCIUM (CA) TRC	45.0	23.0	39.0		44.0		
MAGNESIUM (MG) DIS	11.0	5.0	7.0		18.0		
MAGNESIUM (MG) TRC	15.0	4.0	19.0		17.0		
SODIUM (NA) DIS	21.0	4.0	8.0		18.0		
SODIUM (NA) TRC	22.0	3.0	11.0		18.0		
POTASSIUM (K) DIS	5.0	16.0	14.0		17.0		
POTASSIUM (K) TRC	7.0	16.0	17.0		17.0		
TOTAL ALKALINITY AS CACO3	130.0	140.0	95.0		93.0		
BICARBONATE (HCO3)	160.0	170.0	120.0		110.0		
CARBONATE AS CO3	<4.0	<4.0	<1.0		<1.0		
SULFATE (SO4)	55.0	330.0	8.0		13.0		
CHLORIDE (CL)	2.0	5.0	10.0		3.0		
FLUORIDE (F)	2.0	0.4	0.1		0.2		
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	0.33	0.41					
NITRATE + NITRITE AS N	0.73	0.03	0.2		0.38		
		UJ1					
PHOSPHORUS (P) TOT	0.223	0.259					
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1	0.9		<0.1		
ALUMINUM (AL) TRC	8.2	0.7	20.8		0.3		
ARSENIC (AS) DIS	<0.003	<0.003	<0.003		<0.003		
ARSENIC (AS) TRC	0.004	<0.003	0.01		<0.003		
BARIUM (BA) DIS	0.084	0.064	0.073		0.106		
BARIUM (BA) TRC	0.174	0.07	0.31		0.121		
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001		<0.001		
BERYLLIUM (BE) TRC	<0.001	<0.001	0.001		<0.001		
BORON (B) DIS	0.04	0.03	0.03		0.04		
BORON (B) TRC	0.03	0.03	0.03		0.04		
CADMIUM (CD) DIS	<0.00008	<0.00008	0.00096		<0.00008		
CADMIUM (CD) TRC	0.00018	<0.00008	0.00048		0.00009		
CHROMIUM (CR) DIS	<0.001	<0.001	0.002		<0.001		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4	SW-4	SW-4	SW-4	SW-4	SW-4
SAMPLE DATE	06/14/2011	10/21/2011	12/08/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	13:00	08:30	08:40	16:00	17:00	13:31	09:24
LAB	EL	EL	EL	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328004	1100333010	1120137001		2030308004		
REMARKS				NO SAMPLE		NO SAMPLE	NO SAMPLE
OTHER INFO				Frozen			
SAMPLE NUMBER	OTRCR1106-104	OTRCR1110-714	OTRCR1112-102	OCC-1203-129	OCC-1203-119	OCC-1204-105	OCC-1205-609
-- METALS & MINOR CONSTITUENTS --							
CHROMIUM (CR) TRC	0.028	0.001	0.04		0.001		
COPPER (CU) DIS	0.003	0.002	0.008		0.006		
COPPER (CU) TRC	0.016	0.003	0.048		0.008		
IRON (FE) DIS	<0.05	0.22	1.38		0.18		
IRON (FE) TRC	13.7	1.1	38.0		0.61		
LEAD (PB) DIS	<0.0005	<0.0005	0.0013		<0.0005		
LEAD (PB) TRC	0.0091	0.0009	0.0238		0.001		
MANGANESE (MN) DIS	0.011	0.023	0.026		0.204		
MANGANESE (MN) TRC	0.238	0.03	0.761		0.217		
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005		<0.00005		
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005		<0.00005		
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005		<0.005		
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005		<0.005		
NICKEL (NI) DIS	<0.01	<0.01	<0.01		<0.01		
NICKEL (NI) TRC	0.02	<0.01	0.04		<0.01		
SELENIUM (SE) DIS	<0.001	<0.001	<0.001		<0.001		
SELENIUM (SE) TRC	<0.001	<0.001	<0.001		<0.001		
VANADIUM (V) DIS	<0.1	<0.1	<0.1		<0.1		
VANADIUM (V) TRC	<0.1	<0.1	<0.1		<0.1		
ZINC (ZN) DIS	0.02	0.01	0.02		0.03		
ZINC (ZN) TRC	0.15	0.01	0.19		0.03		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-5	SW-5	SW-5	SW-5
SAMPLE DATE	10/21/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	08:00	15:40	13:40	09:30
LAB	HYDRO	HYDRO	HYDRO	HYDRO
LAB NUMBER				
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1110-780	OCC-1203-128	DCC-1204-106	OCC-1205-610
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	DRY	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6	SW-6	SW-6	SW-6	SW-6
SAMPLE DATE	06/14/2011	10/21/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:20	07:30	15:00	16:35	13:00	09:50
LAB	EL	EL	EL	HYDRO	HYDRO	HYDRO
LAB NUMBER	1060328005	1100333008	2030214006			
REMARKS				NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-105	OTRCR1110-712	OCC-1203-105	OCC-1203-123	OCC-1204-116	OCC-1205-611
-- PHYSICAL PARAMETERS --						
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	DRY	DRY	DRY
PH (FLD)	7.4	8.01	7.54			
PH	7.6	7.7	7.2			
SODIUM ADSORPTION RATIO	0.92	1.11	0.4			
SC (UMHOS/CM AT 25 C)	438.0	423.0	591.0			
SC (UMHOS/CM AT 25 C) (FLD)	460.0	660.0	578.0			
TDS (MEASURED AT 180 C)	324.0	340.0	500.0			
TOTAL SUSPENDED SOLIDS	54.0	11000.0	200.0			
TURBIDITY (NTU)	11.4	100000.0	111.0			
		E,H				
WATER TEMPERATURE (FLD)	17.0	9.6	11.2			
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	31.0	38.0	60.0			
CALCIUM (CA) TRC	32.0	37.0	53.0			
MAGNESIUM (MG) DIS	11.0	14.0	21.0			
MAGNESIUM (MG) TRC	11.0	13.0	18.0			
SODIUM (NA) DIS	23.0	32.0	13.0			
SODIUM (NA) TRC	21.0	30.0	11.0			
POTASSIUM (K) DIS	5.0	10.0	28.0			
POTASSIUM (K) TRC	6.0	10.0	25.0			
TOTAL ALKALINITY AS CACO3	63.0	93.0	150.0			
BICARBONATE (HCO3)	77.0	110.0	180.0			
CARBONATE AS CO3	<4.0	<4.0	<1.0			
SULFATE (SO4)	150.0	120.0	110.0			
CHLORIDE (CL)	2.0	2.0	17.0			
FLUORIDE (F)	<0.1	0.4	<0.1			
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	2.4	<0.05				
NITRATE + NITRITE AS N	0.03	0.98	0.06			
PHOSPHORUS (P) TOT	0.813	0.03				
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1	<0.1	0.8			
ALUMINUM (AL) TRC	1.9	1.1	0.5			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003			
ARSENIC (AS) TRC	<0.003	<0.003	<0.003			
BARIUM (BA) DIS	0.093	0.084	0.146			
BARIUM (BA) TRC	0.115	0.091	0.13			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001			
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001			
BORON (B) DIS	0.02	0.02	0.03			
BORON (B) TRC	0.02	0.02	0.02			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008			
CADMIUM (CD) TRC	<0.00008	<0.00008	0.0001			
CHROMIUM (CR) DIS	<0.001	<0.001	0.002			
CHROMIUM (CR) TRC	0.006	0.004	0.001			
COPPER (CU) DIS	<0.001	0.001	0.01			
COPPER (CU) TRC	0.003	0.003	0.006			
IRON (FE) DIS	2.02	0.11	1.34			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6	SW-6	SW-6	SW-6	SW-6
SAMPLE DATE	06/14/2011	10/21/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:20	07:30	15:00	16:35	13:00	09:50
LAB	EL	EL	EL	HYDRO	HYDRO	HYDRO
LAB NUMBER	1060328005	1100333008	2030214006			
REMARKS				NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-105	OTRCR1110-712	OCC-1203-105	OCC-1203-123	OCC-1204-116	OCC-1205-611
-- METALS & MINOR CONSTITUENTS --						
IRON (FE) TRC	4.3	1.72	1.31			
LEAD (PB) DIS	<0.0005	<0.0005	0.0006			
LEAD (PB) TRC	0.0032	0.0011	0.0008			
MANGANESE (MN) DIS	0.276	0.019	0.137			
MANGANESE (MN) TRC	0.315	0.028	0.141			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005			
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005			
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01			
NICKEL (NI) TRC	<0.01	<0.01	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001			
SELENIUM (SE) TRC	<0.001	<0.001	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1			
VANADIUM (V) TRC	<0.1	<0.1	<0.1			
ZINC (ZN) DIS	0.01	0.01	0.05			
ZINC (ZN) TRC	0.22	0.04	0.04			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7	SW-7	SW-7	SW-7	SW-7
SAMPLE DATE	06/14/2011	10/21/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:25	08:00	15:30	13:05	09:55
LAB	EL	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328006		2030214007		
REMARKS		NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-106	OTRCR1110-781	OCC-1203-106	OCC-1204-115	OCC-1205-612
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	DRY	DRY	NO MEAS	DRY	DRY
PH (FLD)	7.15		7.84		
PH	8.1				
SODIUM ADSORPTION RATIO	1.64		0.85		
SC (UMHOS/CM AT 25 C)	1290.0				
SC (UMHOS/CM AT 25 C) (FLD)	1380.0		714.0		
TDS - CALCULATED	969.0				
WATER TEMPERATURE (FLD)	20.2		11.5		
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	127.0				
CALCIUM (CA) TRC	129.0		65.0		
MAGNESIUM (MG) DIS	53.0				
MAGNESIUM (MG) TRC	53.0		28.0		
SODIUM (NA) DIS	87.0				
SODIUM (NA) TRC	87.0		33.0		
POTASSIUM (K) DIS	14.0				
POTASSIUM (K) TRC	14.0		44.0		
TOTAL ALKALINITY AS CACO3	240.0				
BICARBONATE (HCO3)	290.0				
CARBONATE AS CO3	<4.0				
SULFATE (SO4)	540.0				
CHLORIDE (CL)	10.0				
FLUORIDE (F)	0.7				
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	0.4				
NITRATE + NITRITE AS N	0.02				
PHOSPHORUS (P) TOT	0.106				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1				
ALUMINUM (AL) TRC	0.8		0.6		
ARSENIC (AS) DIS	<0.003				
ARSENIC (AS) TRC	<0.003		<0.003		
BARIUM (BA) DIS	0.354				
BARIUM (BA) TRC	0.334		0.075		
BERYLLIUM (BE) DIS	<0.001				
BERYLLIUM (BE) TRC	<0.001		<0.001		
BORON (B) DIS	0.06				
BORON (B) TRC	0.07		0.07		
CADMIUM (CD) DIS	<0.00008				
CADMIUM (CD) TRC	<0.00008		0.00013		
CHROMIUM (CR) DIS	<0.001				
CHROMIUM (CR) TRC	0.002		0.002		
COPPER (CU) DIS	0.001				
COPPER (CU) TRC	0.003		0.014		
IRON (FE) DIS	0.14				
IRON (FE) TRC	1.19		1.02		
LEAD (PB) DIS	<0.0005				
LEAD (PB) TRC	0.0014		0.0011		
MANGANESE (MN) DIS	0.032				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; E:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7	SW-7	SW-7	SW-7	SW-7
SAMPLE DATE	06/14/2011	10/21/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:25	08:00	15:30	13:05	09:55
LAB	EL	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328006		2030214007		
REMARKS		NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-106	OTRCR1110-781	OCC-1203-106	OCC-1204-115	OCC-1205-612
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN) TRC	0.043		0.158		
MERCURY (HG) DIS	<0.0001				
MERCURY (HG) TOT	<0.0001		<0.00005		
MOLYBDENUM (MO) DIS	<0.005				
MOLYBDENUM (MO) TRC	<0.005		0.006		
NICKEL (NI) DIS	<0.01				
NICKEL (NI) TRC	<0.01		<0.01		
SELENIUM (SE) DIS	0.005				
SELENIUM (SE) TRC	0.006		<0.001		
VANADIUM (V) DIS	<0.1				
VANADIUM (V) TRC	<0.1		<0.1		
ZINC (ZN) DIS	0.09				
ZINC (ZN) TRC	0.11		0.25		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8	SW-8	SW-8	SW-8	SW-8
SAMPLE DATE	08/25/2011	10/20/2011	12/12/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	09:00	16:30	10:35	12:45	12:40	12:00
LAB	EL	EL	HYDRO	EL	EL	HYDRO
LAB NUMBER	1080473003	1100333005		2030214003	2040346005	
REMARKS			NO SAMPLE			NO SAMPLE
SAMPLE NUMBER	OTRCR1108-902	OTRCR1110-709	OTRCR1112-108	OCC-1203-102	OCC-1204-104	OCC-1205-615
-- PHYSICAL PARAMETERS --						
FLOW (cfs)	NO MEAS	NO MEAS	FROZEN	NO MEAS	0.01	0.0023
					E	E
PH (FLD)	7.5	7.96		7.6	7.93	
PH	8.1	8.0		7.5	7.7	
SODIUM ADSORPTION RATIO	4.0	4.29		3.87	4.27	
SC (UMHOS/CM AT 25 C)	2860.0	2860.0		3140.0	3310.0	
SC (UMHOS/CM AT 25 C) (FLD)	3330.0	3360.0		2900.0	3228.0	
TDS (MEASURED AT 180 C)	2940.0	3100.0		2500.0	2960.0	
TOTAL SUSPENDED SOLIDS	6.0	6.0		20.0	<4.0	
		J4D				
TURBIDITY (NTU)	0.7	1.1		2.0	2.8	
	J4D	H,J4D				
WATER TEMPERATURE (FLD)	15.3	11.3		5.4	12.5	
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	284.0	258.0		243.0	234.0	
CALCIUM (CA) TRC	296.0	260.0		240.0	232.0	
MAGNESIUM (MG) DIS	166.0	168.0		153.0	169.0	
MAGNESIUM (MG) TRC	167.0	166.0		148.0	169.0	
SODIUM (NA) DIS	344.0	361.0		312.0	352.0	
SODIUM (NA) TRC	348.0	368.0		314.0	345.0	
POTASSIUM (K) DIS	11.0	10.0		12.0	10.0	
POTASSIUM (K) TRC	11.0	10.0		12.0	10.0	
TOTAL ALKALINITY AS CACO3	430.0	440.0		450.0	480.0	
BICARBONATE (HCO3)	520.0	540.0		550.0	590.0	
CARBONATE AS CO3	<4.0	<4.0		<1.0	<1.0	
SULFATE (SO4)	1600.0	1600.0		1400.0	1600.0	
CHLORIDE (CL)	10.0	10.0		11.0	11.0	
FLUORIDE (F)	0.3	0.3		0.2	0.3	
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05				
NITRATE + NITRITE AS N	<0.01	0.11		0.09	<0.01	
PHOSPHORUS (P) TOT	0.011	0.008				
		J4D				
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1	<0.1		<0.1	<0.1	
ALUMINUM (AL) TRC	<0.1	<0.1		<0.1	<0.1	
	UJ4D	UJ4D				
ARSENIC (AS) DIS	<0.003	<0.003		<0.003	<0.003	
ARSENIC (AS) TRC	<0.003	<0.003		<0.003	<0.003	
BARIUM (BA) DIS	0.09	0.055		0.05	0.032	
BARIUM (BA) TRC	0.089	0.058		0.054	0.034	
BERYLLIUM (BE) DIS	<0.001	<0.001		<0.001	<0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001		<0.001	<0.001	
BORON (B) DIS	0.11	0.09		0.07	0.09	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8	SW-8	SW-8	SW-8	SW-8
SAMPLE DATE	08/25/2011	10/20/2011	12/12/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	09:00	16:30	10:35	12:45	12:40	12:00
LAB	EL	EL	HYDRO	EL	EL	HYDRO
LAB NUMBER	1080473003	1100333005		2030214003	2040346005	
REMARKS			NO SAMPLE			NO SAMPLE
SAMPLE NUMBER	OTRCR1108-902	OTRCR1110-709	OTRCR1112-108	OCC-1203-102	OCC-1204-104	OCC-1205-615
-- METALS & MINOR CONSTITUENTS --						
BORON (B) TRC	0.11	0.09		0.07	0.08	
CADMIUM (CD) DIS	<0.00008	<0.00008		<0.00008	<0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008		<0.00008	<0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001		<0.001	<0.001	
CHROMIUM (CR) TRC	<0.001	<0.001		<0.001	<0.001	
COPPER (CU) DIS	<0.001	<0.001		<0.001	<0.001	
COPPER (CU) TRC	<0.001	<0.001		<0.001	<0.001	
IRON (FE) DIS	<0.05	<0.05		<0.05	<0.05	
IRON (FE) TRC	<0.05	<0.05		0.27	0.26	
	UJ4D	UJ4D				
LEAD (PB) DIS	<0.0005	<0.0005		<0.0005	0.0006	
LEAD (PB) TRC	<0.0005	<0.0005		<0.0005	<0.0005	
MANGANESE (MN) DIS	0.022	<0.005		3.42	0.214	
MANGANESE (MN) TRC	0.027	0.016		3.19	0.229	
MERCURY (HG) DIS	<0.00005	<0.00005		<0.00005	<0.00005	
MERCURY (HG) TOT	<0.00005	<0.00005		<0.00005	<0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005		<0.005	<0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005		<0.005	<0.005	
NICKEL (NI) DIS	<0.01	<0.01		<0.01	<0.01	
NICKEL (NI) TRC	<0.01	<0.01		<0.01	<0.01	
SELENIUM (SE) DIS	<0.001	<0.001		<0.001	<0.001	
SELENIUM (SE) TRC	<0.001	<0.001		<0.001	<0.001	
VANADIUM (V) DIS	<0.1	<0.1		<0.1	<0.1	
VANADIUM (V) TRC	<0.1	<0.1		<0.1	<0.1	
ZINC (ZN) DIS	<0.01	<0.01		<0.01	<0.01	
ZINC (ZN) TRC	<0.1	<0.01		<0.01	<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9	SW-9	SW-9	SW-9	SW-9	SW-9
SAMPLE DATE	08/25/2011	08/25/2011	10/20/2011	12/02/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:00	14:05	15:10	09:40	13:20	11:15	11:05
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1080473004	1080473005	1100333002	1120042002	2030214004	2040346002	2050407002
REMARKS		DUPLICATE					
SAMPLE NUMBER	OTRCR1108-903	OTRCR1108-904	OTRCR1110-706	OTRCR1112-101	OCC-1203-103	OCC-1204-101	OCC-1205-601
-- PHYSICAL PARAMETERS --							
PH (PLD)	7.9		6.95	6.88	7.76	7.93	7.86
PH	8.3	8.3	7.0	7.2	7.9	7.1	7.8
SODIUM ADSORPTION RATIO	9.21	9.1	8.24	3.21	7.67	7.39	8.26
SC (UMHOS/CM AT 25 C)	6570.0	6600.0	5150.0	1410.0	5410.0	3600.0	7470.0
SC (UMHOS/CM AT 25 C) (FLD)	7830.0		6540.0	1846.0	4830.0	6910.0	6740.0
TDS (MEASURED AT 180 C)	7570.0	7470.0	6140.0	1160.0	4540.0	4670.0	6490.0
TOTAL SUSPENDED SOLIDS	48.0	46.0	592.0	148.0	16.0	70.0	120.0
			J4D				
TURBIDITY (NTU)	23.2	37.7	323.0	84.3	2.9	31.8	6.4
	J4D		H,J4D				H
WATER TEMPERATURE (FLD)	22.1		12.6	6.0	5.7	16.3	14.2
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	293.0	294.0	215.0	94.0	237.0	236.0	356.0
CALCIUM (CA) TRC	305.0	310.0	214.0	98.0	244.0	368.0	326.0
MAGNESIUM (MG) DIS	530.0	531.0	348.0	66.0	281.0	265.0	451.0
MAGNESIUM (MG) TRC	532.0	526.0	342.0	70.0	285.0	450.0	448.0
SODIUM (NA) DIS	1140.0	1130.0	840.0	138.0	737.0	696.0	995.0
SODIUM (NA) TRC	1160.0	1160.0	840.0	144.0	746.0	963.0	1040.0
POTASSIUM (K) DIS	28.0	28.0	44.0	32.0	12.0	15.0	17.0
POTASSIUM (K) TRC	28.0	28.0	45.0	32.0	13.0	17.0	18.0
TOTAL ALKALINITY AS CACO3	230.0	240.0	130.0	87.0	380.0	360.0	490.0
BICARBONATE (HCO3)	280.0	290.0	160.0	110.0	470.0	440.0	600.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0
SULFATE (SO4)	5000.0	5000.0	3600.0	690.0	2800.0	2900.0	4200.0
CHLORIDE (CL)	27.0	26.0	27.0	23.0	15.0	18.0	25.0
FLUORIDE (F)	0.3	0.3	1.4	0.9	0.3	0.2	0.5
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	0.1				
NITRATE + NITRITE AS N	0.02	0.02	<0.02	0.25	0.01	<0.02	0.28
PHOSPHORUS (P) TOT	0.149	0.143	0.151				
			J4D				
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.1	0.4	0.5	<0.1	0.1	2.6	0.9
	J4D		J4D				
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	<0.003
BARIUM (BA) DIS	0.05	0.048	0.035	0.043	0.052	0.035	0.025
BARIUM (BA) TRC	0.054	0.056	0.039	0.054	0.052	0.067	0.04
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.4	0.38	0.11	0.06	0.28	0.15	0.21
BORON (B) TRC	0.39	0.37	0.1	0.05	0.27	0.18	0.21
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00019	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	0.00016	0.00012

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9	SW-9	SW-9	SW-9	SW-9	SW-9
SAMPLE DATE	08/25/2011	08/25/2011	10/20/2011	12/02/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	14:00	14:05	15:10	09:40	13:20	11:15	11:05
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1080473004	1080473005	1100333002	1120042002	2030214004	2040346002	2050407002
REMARKS		DUPLICATE					
SAMPLE NUMBER	OTRCR1108-903	OTRCR1108-904	OTRCR1110-706	OTRCR1112-101	OCC-1203-103	OCC-1204-101	OCC-1205-601
-- METALS & MINOR CONSTITUENTS --							
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	0.001	<0.001	<0.001	0.005	0.001
COPPER (CU) DIS	0.002	0.002	0.003	0.007	0.004	0.014	<0.001
COPPER (CU) TRC	0.003	0.004	0.006	0.007	0.004	0.003	0.004
IRON (FE) DIS	0.07	<0.05	0.26	0.11	<0.05	0.15	<0.05
IRON (FE) TRC	1.33	2.08	0.95	0.29	0.27	6.21	1.11
	J4D		J4D				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	0.0007	0.001	<0.0005	<0.0005	0.0057	0.001
MANGANESE (MN) DIS	0.618	0.603	0.212	0.059	0.132	<0.005	0.065
MANGANESE (MN) TRC	0.883	0.969	0.21	0.065	0.134	2.09	0.084
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	0.01	0.01	<0.01	0.01	<0.01	<0.01
NICKEL (NI) TRC	0.01	0.01	0.01	<0.01	0.01	0.02	<0.01
SELENIUM (SE) DIS	0.001	0.001	0.002	<0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	0.001	0.001	0.002	<0.001	<0.001	0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	0.19	0.04	0.04	0.04	0.13
ZINC (ZN) TRC		<0.01	0.19	0.05	0.06	0.44	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10	SW-10	SW-10	SW-10
SAMPLE DATE	03/14/2010	10/20/2011	12/02/2011	04/19/2012	05/24/2012
SAMPLE TIME	14:00	14:55	09:05	11:00	10:30
LAB	EL	HYDRO	EL	HYDRO	EL
LAB NUMBER	2030214005		1120042001		2050407001
REMARKS		NO SAMPLE		NO SAMPLE	
SAMPLE NUMBER	OCC-1203-104	OTRCR1110-782	OTRCR1112-100	OCC-1204-114	OCC-1205-600
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	NO MEAS	DRY	NO MEAS	DRY	NO MEAS
PH (FLD)	7.76		8.4		8.15
PH	7.0		7.6		8.0
SODIUM ADSORPTION RATIO	0.73		0.46		2.65
SC (UMHOS/CM AT 25 C)	927.0		539.0		3140.0
SC (UMHOS/CM AT 25 C) (FLD)	1040.0		1012.0		3020.0
TDS (MEASURED AT 180 C)	678.0		438.0		2420.0
TOTAL SUSPENDED SOLIDS	62.0		36.0		8.0
TURBIDITY (NTU)	65.3		32.0		1.5
					H
WATER TEMPERATURE (FLD)	NO MEAS		2.9		14.1
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	80.0		61.0		262.0
CALCIUM (CA) TRC	86.0		61.0		256.0
MAGNESIUM (MG) DIS	34.0		21.0		183.0
MAGNESIUM (MG) TRC	38.0		23.0		189.0
SODIUM (NA) DIS	32.0		13.0		228.0
SODIUM (NA) TRC	35.0		14.0		229.0
POTASSIUM (K) DIS	35.0		17.0		13.0
POTASSIUM (K) TRC	37.0		17.0		13.0
TOTAL ALKALINITY AS CACO3	130.0		61.0		370.0
BICARBONATE (HCO3)	150.0		74.0		450.0
CARBONATE AS CO3	<1.0		<4.0		<1.0
SULFATE (SO4)	280.0		190.0		1500.0
CHLORIDE (CL)	28.0		21.0		30.0
FLUORIDE (F)	0.4		0.1		0.2
-- NUTRIENTS --					
NITRATE + NITRITE AS N	0.15		0.14		2.19
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1		0.2		<0.1
ALUMINUM (AL) TRC	3.0		<0.1		<0.1
ARSENIC (AS) DIS	0.003		<0.003		<0.003
ARSENIC (AS) TRC	<0.003		<0.003		<0.003
BARIUM (BA) DIS	0.052		0.055		0.088
BARIUM (BA) TRC	0.111		0.06		0.09
BERYLLIUM (BE) DIS	<0.001		<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001		<0.001
BORON (B) DIS	0.05		0.03		0.08
BORON (B) TRC	0.05		0.03		0.08
CADMIUM (CD) DIS	0.00017		<0.00008		<0.00008
CADMIUM (CD) TRC	<0.00008		<0.00008		<0.00008
CHROMIUM (CR) DIS	0.006		0.001		<0.001
CHROMIUM (CR) TRC	<0.001		<0.001		<0.001
COPPER (CU) DIS	0.007		0.006		0.002
COPPER (CU) TRC	0.018		0.007		0.003
IRON (FE) DIS	0.54		0.23		<0.05
IRON (FE) TRC	4.5		0.68		0.13
LEAD (PB) DIS	0.0047		<0.0005		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10	SW-10	SW-10	SW-10
SAMPLE DATE	03/14/2010	10/20/2011	12/02/2011	04/19/2012	05/24/2012
SAMPLE TIME	14:00	14:55	09:05	11:00	10:30
LAB	EL	HYDRO	EL	HYDRO	EL
LAB NUMBER	2030214005		1120042001		2050407001
REMARKS		NO SAMPLE		NO SAMPLE	
SAMPLE NUMBER	OCC-1203-104	OTRCR1110-782	OTRCR1112-100	OCC-1204-114	OCC-1205-600
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) TRC	0.0005		<0.0005		<0.0005
MANGANESE (MN) DIS	0.519		0.014		0.007
MANGANESE (MN) TRC	0.634		0.08		0.018
MERCURY (HG) DIS	<0.00005		<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		<0.00005		<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01		<0.01
NICKEL (NI) TRC	0.01		<0.01		<0.01
SELENIUM (SE) DIS	<0.001		<0.001		<0.001
SELENIUM (SE) TRC	<0.001		<0.001		<0.001
VANADIUM (V) DIS	<0.1		<0.1		<0.1
VANADIUM (V) TRC	<0.1		<0.1		<0.1
ZINC (ZN) DIS	0.18		0.03		0.01
ZINC (ZN) TRC	0.3		0.13		0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11	SW-11	SW-11	SW-11	SW-11
SAMPLE DATE	08/25/2011	10/20/2011	12/12/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	07:30	15:40	10:20	12:00	12:15	11:55
LAB	EL	EL	HYDRO	EL	EL	EL
LAB NUMBER	1080473001	1100333003		2030214002	2040346004	2050407003
REMARKS			NO SAMPLE			
SAMPLE NUMBER	OTRCR1108-900	OTRCR1110-707	OTRCR1112-107	OCC-1203-101	OCC-1204-103	OCC-1205-602
-- PHYSICAL PARAMETERS --						
FLOW (cfs)	NO MEAS	NO MEAS	FROZEN	0.49	NO MEAS	NO MEAS
PH (FLD)	7.3	8.29		7.71	8.39	8.22
PH	8.2	8.2		8.0	8.1	8.3
SODIUM ADSORPTION RATIO	6.88	6.27		5.33	5.47	5.46
SC (UMHOS/CM AT 25 C)	3430.0	3720.0		3250.0	3450.0	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3980.0	4460.0		3240.0	3304.0	3363.0
TDS (MEASURED AT 180 C)	3110.0	3800.0		2390.0	2780.0	2790.0
TOTAL SUSPENDED SOLIDS	70.0	<4.0		6.0	18.0	12.0
		UJ4D				
TURBIDITY (NTU)	40.8	0.5		4.9	16.3	110.0
	J4D	H,J4D				H
WATER TEMPERATURE (FLD)	16.3	13.3		6.6	13.5	13.7
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	79.0	191.0		145.0	162.0	155.0
CALCIUM (CA) TRC	79.0	195.0		151.0	159.0	157.0
MAGNESIUM (MG) DIS	248.0	251.0		164.0	189.0	184.0
MAGNESIUM (MG) TRC	236.0	252.0		166.0	187.0	189.0
SODIUM (NA) DIS	552.0	560.0		394.0	432.0	426.0
SODIUM (NA) TRC	578.0	573.0		407.0	426.0	427.0
POTASSIUM (K) DIS	21.0	16.0		13.0	14.0	14.0
POTASSIUM (K) TRC	21.0	16.0		13.0	14.0	15.0
TOTAL ALKALINITY AS CACO3	580.0	770.0		580.0	640.0	660.0
BICARBONATE (HCO3)	700.0	930.0		710.0	760.0	770.0
CARBONATE AS CO3	<4.0	<4.0		<1.0	12.0	17.0
SULFATE (SO4)	1800.0	1900.0		1300.0	1500.0	1500.0
CHLORIDE (CL)	12.0	12.0		10.0	11.0	11.0
FLUORIDE (F)	0.5	0.6		0.4	0.6	0.5
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	<0.11	<0.05				
NITRATE + NITRITE AS N	<0.01	0.02		0.16	0.03	<0.01
PHOSPHORUS (P) TOT	0.101	0.006				
		J4D				
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1	<0.1		<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.4	<0.1		<0.1	0.4	<0.1
	J4D	UJ4D				
ARSENIC (AS) DIS	0.004	<0.003		<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.005	<0.003		<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.037	0.02		0.046	0.033	0.033
BARIUM (BA) TRC	0.042	0.02		0.046	0.039	0.034
BERYLLIUM (BE) DIS	<0.001	<0.001		<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001		<0.001	<0.001	<0.001
BORON (B) DIS	0.45	0.42		0.25	0.33	0.35
BORON (B) TRC	0.47	0.43		0.25	0.31	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008		<0.00008	<0.00008	<0.00008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11	SW-11	SW-11	SW-11	SW-11
SAMPLE DATE	08/25/2011	10/20/2011	12/12/2011	03/14/2012	04/19/2012	05/24/2012
SAMPLE TIME	07:30	15:40	10:20	12:00	12:15	11:55
LAB	EL	EL	HYDRO	EL	EL	EL
LAB NUMBER	1080473001	1100333003		2030214002	2040346004	2050407003
REMARKS			NO SAMPLE			
SAMPLE NUMBER	OTRCR1108-900	DTRCR1110-707	OTRCR1112-107	OCC-1203-101	OCC-1204-103	OCC-1205-602
-- METALS & MINOR CONSTITUENTS --						
CADMIUM (CD) TRC	<0.00008	<0.00008		<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001		<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001	<0.001		<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001		<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001	<0.001		<0.001	0.002	0.001
IRON (FE) DIS	0.13	0.1		<0.05	<0.05	<0.05
IRON (FE) TRC	1.06	0.08		0.47	1.13	0.58
	J4D	J4D				
LEAD (PB) DIS	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0006	<0.0005		<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	2.19	0.012		0.484	0.558	0.177
MANGANESE (MN) TRC	2.22	0.011		0.48	0.588	0.181
MERCURY (HG) DIS	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005		<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005		<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005		<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01		<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01		<0.01	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001		0.002	0.003	0.002
SELENIUM (SE) TRC	<0.001	<0.001		0.002	0.003	0.002
VANADIUM (V) DIS	<0.1	<0.1		<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1		<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01		0.02	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01		<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	10/20/2011	12/12/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	16:00	10:05	12:05	14:00	12:00	11:40
LAB	EL	HYDRO	HYDRO	EL	EL	HYDRO
LAB NUMBER	1100333004			2030308003	2040346003	
REMARKS		NO SAMPLE	NO SAMPLE			NO SAMPLE
SAMPLE NUMBER	OTRCR1110-708	OTRCR1112-106	OCC-1203-127	OCC-1203-118	OCC-1204-102	OCC-1205-614
-- PHYSICAL PARAMETERS --						
FLOW (cfs)	NO MEAS	FROZEN	DRY	NO MEAS	NO MEAS	DRY
PH (FLD)	7.33			8.12	8.31	
PH	7.6			7.5	8.1	
SODIUM ADSORPTION RATIO	5.53			5.3	5.49	
SC (UMHOS/CM AT 25 C)	3390.0			3360.0	3460.0	
SC (UMHOS/CM AT 25 C) (FLD)	4050.0			3120.0	3417.0	
TDS (MEASURED AT 180 C)	3610.0			2760.0	2650.0	
TOTAL SUSPENDED SOLIDS	334.0			6.0	8.0	
	J4D					
TURBIDITY (NTU)	34.4			5.5	7.7	
	H,J4D					
WATER TEMPERATURE (FLD)	11.3			11.1	13.4	
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	175.0			160.0	158.0	
CALCIUM (CA) TRC	173.0			165.0	162.0	
MAGNESIUM (MG) DIS	235.0			183.0	184.0	
MAGNESIUM (MG) TRC	230.0			184.0	189.0	
SODIUM (NA) DIS	477.0			414.0	429.0	
SODIUM (NA) TRC	478.0			426.0	423.0	
POTASSIUM (K) DIS	40.0			13.0	14.0	
POTASSIUM (K) TRC	40.0			14.0	14.0	
TOTAL ALKALINITY AS CACO3	270.0			610.0	620.0	
BICARBONATE (HCO3)	330.0			740.0	750.0	
CARBONATE AS CO3	<4.0			<1.0	6.0	
SULFATE (SO4)	2100.0			1400.0	1500.0	
CHLORIDE (CL)	19.0			10.0	10.0	
FLUORIDE (F)	0.9			0.5	0.5	
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	0.12					
NITRATE + NITRITE AS N	0.06			0.07	0.04	
PHOSPHORUS (P) TOT	0.173					
	J4D					
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1			<0.1	<0.1	
ALUMINUM (AL) TRC	<0.1			<0.1	0.1	
	UJ4D					
ARSENIC (AS) DIS	<0.003			<0.003	<0.003	
ARSENIC (AS) TRC	<0.003			<0.003	<0.003	
BARIUM (BA) DIS	0.128			0.045	0.03	
BARIUM (BA) TRC	0.126			0.047	0.035	
BERYLLIUM (BE) DIS	<0.001			<0.001	<0.001	
BERYLLIUM (BE) TRC	<0.001			<0.001	<0.001	
BORON (B) DIS	0.22			0.3	0.31	
BORON (B) TRC	0.22			0.31	0.32	
CADMIUM (CD) DIS	<0.00008			<0.00008	<0.00008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	10/20/2011	12/12/2011	03/14/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	16:00	10:05	12:05	14:00	12:00	11:40
LAB	EL	HYDRO	HYDRO	EL	EL	HYDRO
LAB NUMBER	1100333004			2030308003	2040346003	
REMARKS		NO SAMPLE	NO SAMPLE			NO SAMPLE
SAMPLE NUMBER	OTRCR1110-708	OTRCR1112-106	OCC-1203-127	OCC-1203-118	OCC-1204-102	OCC-1205-614
-- METALS & MINOR CONSTITUENTS --						
CADMIUM (CD) TRC	<0.00008			<0.00008	<0.00008	
CHROMIUM (CR) DIS	<0.001			<0.001	<0.001	
CHROMIUM (CR) TRC	<0.001			<0.001	<0.001	
COPPER (CU) DIS	0.004			<0.001	0.001	
COPPER (CU) TRC	0.005			0.001	<0.001	
IRON (FE) DIS	0.1			<0.05	<0.05	
IRON (FE) TRC	0.21			0.41	0.62	
	J4D					
LEAD (PB) DIS	<0.0005			<0.0005	<0.0005	
LEAD (PB) TRC	<0.0005			<0.0005	<0.0005	
MANGANESE (MN) DIS	0.019			0.536	0.412	
MANGANESE (MN) TRC	0.047			0.542	0.467	
MERCURY (HG) DIS	<0.00005			<0.00005	<0.00005	
MERCURY (HG) TOT	<0.00005			<0.00005	<0.00005	
MOLYBDENUM (MO) DIS	<0.005			<0.005	<0.005	
MOLYBDENUM (MO) TRC	<0.005			<0.005	<0.005	
NICKEL (NI) DIS	<0.01			<0.01	<0.01	
NICKEL (NI) TRC	<0.01			<0.01	<0.01	
SELENIUM (SE) DIS	0.003			0.003	0.003	
SELENIUM (SE) TRC	0.002			0.002	0.003	
VANADIUM (V) DIS	<0.1			<0.1	<0.1	
VANADIUM (V) TRC	<0.1			<0.1	<0.I	
ZINC (ZN) DIS	0.01			<0.01	<0.01	
ZINC (ZN) TRC	0.01			<0.01	<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13	SW-13	SW-13	SW-13	SW-13	SW-13
SAMPLE DATE	06/14/2011	06/14/2011	10/21/2011	12/08/2011	03/14/2012	03/23/2012	04/19/2012
SAMPLE TIME	11:45	12:00	09:30	09:55	16:40	09:30	13:55
LAB	EL	EL	EL	EL	EL	HYDRO	HYDRO
LAB NUMBER	1060328002	1060328003	1100333012	1120137002	2030214008		
REMARKS	COLLECTED FRO	COLLECTED FRO				NO SAMPLE	NO SAMPLE
OTHER INFO	Pasiv Sampler	Stream					
SAMPLE NUMBER	OTRCR1106-102	OTRCR1106-103	OTRCR1110-716	OTRCR1112-103	OCC-1203-107	OCC-1203-124	OCC-1204-107
-- PHYSICAL PARAMETERS --							
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	NO MEAS	NO MEAS	DRY	DRY
PH (FLD)	6.8	8.18	8.04	6.84	8.08		
PH	8.1	8.4	8.1	7.5	7.5		
SODIUM ADSORPTION RATIO	13.0	12.5	12.7	7.06	3.73		
SC (UMHOS/CM AT 25 C)	9340.0	11000.0	7500.0	2020.0	690.0		
			E				
SC (UMHOS/CM AT 25 C) (FLD)	8500.0	10320.0	9390.0	2121.0	656.0		
TDS (MEASURED AT 180 C)	7930.0	10000.0	9080.0	1880.0	414.0		
TOTAL SUSPENDED SOLIDS	2670.0	45.0	830.0	1110.0	118.0		
TURBIDITY (NTU)	87.5	4.4	100000.0	4770.0	79.9		
			E,H				
WATER TEMPERATURE (FLD)	20.5	21.2	8.6	6.2	6.8		
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	273.0	334.0	278.0	67.0	18.0		
CALCIUM (CA) TRC	278.0	341.0	278.0	155.0	22.0		
MAGNESIUM (MG) DIS	396.0	600.0	546.0	72.0	17.0		
MAGNESIUM (MG) TRC	400.0	606.0	535.0	104.0	19.0		
SODIUM (NA) DIS	1440.0	1650.0	1580.0	350.0	93.0		
SODIUM (NA) TRC	1440.0	1640.0	1580.0	294.0	96.0		
POTASSIUM (K) DIS	14.0	14.0	15.0	24.0	7.0		
POTASSIUM (K) TRC	16.0	13.0	15.0	29.0	8.0		
TOTAL ALKALINITY AS CACO3	420.0	520.0	480.0	220.0	99.0		
BICARBONATE (HCO3)	520.0	590.0	590.0	270.0	120.0		
CARBONATE AS CO3	<4.0	23.0	<4.0	<1.0	<1.0		
SULFATE (SO4)	4800.0	6300.0	5700.0	950.0	220.0		
CHLORIDE (CL)	15.0	25.0	21.0	27.0	3.0		
FLUORIDE (F)	0.4	0.6	0.5	0.3	0.1		
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	0.12	<0.05	<0.1				
NITRATE + NITRITE AS N	1.39	4.55	2.32	0.35	0.05		
PHOSPHORUS (P) TOT	4.58	0.016	0.1				
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	0.3		
ALUMINUM (AL) TRC	13.3	0.1	1.6	59.6	2.3		
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003		
ARSENIC (AS) TRC	0.009	<0.003	<0.003	0.033	<0.003		
BARIUM (BA) DIS	0.078	0.057	0.054	0.932	0.028		
BARIUM (BA) TRC	0.257	0.06	0.057	0.073	0.057		
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001		
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	0.004	<0.001		
BORON (B) DIS	0.68	1.23	0.97	0.15	0.05		
BORON (B) TRC	0.65	1.22	1.0	0.16	0.05		
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	0.00125	0.00009		
CADMIUM (CD) TRC	0.00035	<0.00008	<0.00008	0.00139	<0.00008		
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001		
CHROMIUM (CR) TRC	0.022	<0.001	0.002	0.075	0.003		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13	SW-13	SW-13	SW-13	SW-13	SW-13
SAMPLE DATE	06/14/2011	06/14/2011	10/21/2011	12/08/2011	03/14/2012	03/23/2012	04/19/2012
SAMPLE TIME	11:45	12:00	09:30	09:55	16:40	09:30	13:55
LAB	EL	EL	EL	EL	EL	HYDRO	HYDRO
LAB NUMBER	1060328002	1060328003	1100333012	1120137002	2030214008		
REMARKS	COLLECTED FRO	COLLECTED FRO				NO SAMPLE	NO SAMPLE
OTHER INFO	Passiv Sampler	Stream					
SAMPLE NUMBER	OTRCR1106-102	OTRCR1106-103	OTRCR1110-716	OTRCR1112-103	OCC-1203-107	OCC-1203-124	OCC-1204-107
-- METALS & MINOR CONSTITUENTS --							
COPPER (CU) DIS	0.002	0.005	0.007	0.009	0.004		
COPPER (CU) TRC	0.023	0.006	0.009	0.102	0.007		
IRON (FE) DIS	0.06	0.08	<0.05	0.12	0.34		
IRON (FE) TRC	20.3	0.2	1.75	83.7	3.1		
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	0.0024		
LEAD (PB) TRC	0.0191	<0.0005	0.0016	0.0696	<0.0005		
MANGANESE (MN) DIS	0.122	0.02	0.017	0.041	0.134		
MANGANESE (MN) TRC	0.535	0.017	0.053	2.19	0.076		
MERCURY (HG) DIS	<0.0001	0.0002	<0.00005	<0.00005	<0.00005		
MERCURY (HG) TOT	<0.0001	<0.0001	<0.00005	0.0002	<0.00005		
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005		
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005	<0.005		
NICKEL (NI) DIS	0.01	0.02	0.01	<0.01	<0.01		
NICKEL (NI) TRC	0.04	0.02	0.01	0.12	<0.01		
SELENIUM (SE) DIS	0.004	0.007	0.006	0.002	<0.001		
SELENIUM (SE) TRC	0.005	0.008	0.005	0.003	<0.001		
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1		
VANADIUM (V) TRC	<0.1	<0.1	<0.1	0.1	<0.1		
ZINC (ZN) DIS	0.04	0.01	0.03	0.02	<0.01		
ZINC (ZN) TRC	0.2	<0.01	0.05	0.48	0.02		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	05/23/2012
SAMPLE TIME	08:56
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1205-608

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14	SW-14	SW-14	SW-14	SW-14	SW-14
SAMPLE DATE	06/14/2011	10/25/2011	12/12/2011	03/15/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	15:50	16:00	13:40	08:10	14:10	16:50	14:05
LAB	EL	EL	HYDRO	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328007	1100409004			2030308002		
REMARKS			NO SAMPLE	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-107	OTRCR1110-757	OTRCR1112-104	OCC-I203-130	OCC-1203-117	OCC-1204-110	OCC-1205-617
-- PHYSICAL PARAMETERS --							
FLOW (cfs)	NO MEAS	NO MEAS	DRY	FROZEN	NO MEAS	DRY	DRY
PH (FLD)	7.18	7.93			7.17		
PH	8.0	8.0					
SODIUM ADSORPTION RATIO	1.98	4.74			1.72		
SC (UMHOS/CM AT 25 C)	796.0	3640.0					
SC (UMHOS/CM AT 25 C) (FLD)	800.0	4380.0			912.0		
TDS (MEASURED AT 180 C)	582.0	3910.0					
TOTAL SUSPENDED SOLIDS	122.0	374.0					
TURBIDITY (NTU)	14.2	100000.0					
		E					
WATER TEMPERATURE (FLD)	17.2	7.8			13.3		
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	65.0	243.0					
CALCIUM (CA) TRC	65.0	143.0			81.0		
MAGNESIUM (MG) DIS	28.0	244.0					
MAGNESIUM (MG) TRC	31.0	82.0			45.0		
SODIUM (NA) DIS	72.0	437.0					
SODIUM (NA) TRC	74.0	144.0			78.0		
POTASSIUM (K) DIS	6.0	16.0					
POTASSIUM (K) TRC	7.0	9.0			13.0		
TOTAL ALKALINITY AS CACD3	140.0	170.0					
BICARBONATE (HCO3)	180.0	210.0					
CARBONATE AS CO3	<4.0	<4.0					
SULFATE (SO4)	290.0	2400.0					
CHLORIDE (CL)	1.0	18.0					
FLUORIDE (F)	0.3	0.9					
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	0.23	<0.05					
NITRATE + NITRITE AS N	0.14	1.29					
PHOSPHORUS (P) TOT	0.211	0.074					
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1					
ALUMINUM (AL) TRC	5.7	1.4			2.7		
ARSENIC (AS) DIS	<0.003	<0.003					
ARSENIC (AS) TRC	<0.003	<0.003			<0.003		
BARIUM (BA) DIS	0.082	0.086					
BARIUM (BA) TRC	0.165	0.116			0.132		
BERYLLIUM (BE) DIS	<0.001	<0.001					
BERYLLIUM (BE) TRC	<0.001	<0.001			<0.001		
BORON (B) DIS	0.03	0.09					
BORON (B) TRC	0.03	0.06			0.05		
CADMIUM (CD) DIS	<0.00008	<0.00008					
CADMIUM (CD) TRC	0.00014	<0.00008			0.00021		
CHROMIUM (CR) DIS	<0.001	<0.001					
CHROMIUM (CR) TRC	0.009	0.003			0.003		
COPPER (CU) DIS	0.002	0.006					
COPPER (CU) TRC	0.013	0.006			0.02		
IRON (FE) DIS	0.25	<0.05					

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14	SW-14	SW-14	SW-14	SW-14	SW-14
SAMPLE DATE	06/14/2011	10/25/2011	12/12/2011	03/15/2012	03/22/2012	04/19/2012	05/24/2012
SAMPLE TIME	15:50	16:00	13:40	08:10	14:10	16:50	14:05
LAB	EL	EL	HYDRO	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER	1060328007	1100409004			2030308002		
REMARKS			NO SAMPLE	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-107	OTRCR1110-757	OTRCR1112-104	OCC-1203-130	OCC-1203-117	OCC-1204-110	OCC-1205-617
-- METALS & MINOR CONSTITUENTS --							
IRON (FE) TRC	7.42	2.33			2.8		
LEAD (PB) DIS	0.0005	<0.0005					
LEAD (PB) TRC	0.0073	0.0018			0.0063		
MANGANESE (MN) DIS	0.214	0.01					
MANGANESE (MN) TRC	0.28	0.041			0.165		
MERCURY (HG) DIS	<0.0001	<0.00005					
MERCURY (HG) TOT	<0.0001	<0.00005			0.00005		
MOLYBDENUM (MO) DIS	<0.005	<0.005					
MOLYBDENUM (MO) TRC	<0.005	<0.005			<0.005		
NICKEL (NI) DIS	<0.01	<0.01					
NICKEL (NI) TRC	0.01	<0.01			0.01		
SELENIUM (SE) DIS	<0.001	0.001					
SELENIUM (SE) TRC	<0.001	<0.001			<0.001		
VANADIUM (V) DIS	<0.1	<0.1					
VANADIUM (V) TRC	<0.1	<0.1			<0.1		
ZINC (ZN) DIS	0.02	<0.01					
ZINC (ZN) TRC	0.07	0.04			0.04		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-15	SW-15	SW-15
SAMPLE DATE	10/25/2011	03/15/2012	04/19/2012
SAMPLE TIME	15:45	08:30	16:53
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1110-772	OCC-1203-131	OCC-1204-111
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16	SW-16	SW-16	SW-16
SAMPLE DATE	06/15/2011	10/26/2011	03/15/2012	03/15/2012	05/03/2012
SAMPLE TIME	15:00	12:10	09:40	09:41	15:00
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060332006	1100409012	2030214012	2030214013	2050095026
REMARKS				DUPLICATE	
SAMPLE NUMBER	OTRCR1106-114	OTRCR1110-765	OCC-1203-111	OCC-1203-112	OCC-1205-707
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	24.93	3.6	6.92		6.92
PH (FLD)	8.16	8.78	8.03		8.5
PH	8.6	8.6	8.0	8.0	8.3
SODIUM ADSORPTION RATIO	5.37	6.08	4.9	4.87	5.72
SC (UMHOS/CM AT 25 C)	3560.0	3410.0	3380.0	3380.0	3960.0
SC (UMHOS/CM AT 25 C) (FLD)	3910.0	3780.0	3140.0		3788.0
TDS (MEASURED AT 180 C)	3360.0	3090.0	2460.0	2550.0	3220.0
TOTAL SUSPENDED SOLIDS	6.0	9.0	18.0	16.0	32.0
	J4D				
TURBIDITY (NTU)	2.3	2.4	13.1	13.7	12.0
	J4D	J4D			
WATER TEMPERATURE (FLD)	21.6	5.8	5.9		15.2
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	140.0	131.0	133.0	133.0	134.0
CALCIUM (CA) TRC	139.0	130.0	140.0	137.0	125.0
MAGNESIUM (MG) DIS	245.0	248.0	207.0	207.0	250.0
MAGNESIUM (MG) TRC	249.0	242.0	209.0	205.0	261.0
SODIUM (NA) DIS	455.0	513.0	387.0	385.0	493.0
SODIUM (NA) TRC	473.0	513.0	402.0	393.0	512.0
POTASSIUM (K) DIS	20.0	22.0	18.0	18.0	19.0
POTASSIUM (K) TRC	20.0	22.0	18.0	18.0	18.0
TOTAL ALKALINITY AS CACO3	620.0	620.0	500.0	500.0	620.0
BICARBONATE (HCO3)	670.0	660.0	610.0	610.0	680.0
CARBONATE AS CO3	44.0	43.0	<1.0	<1.0	36.0
SULFATE (SO4)	1700.0	1800.0	1500.0	1500.0	1900.0
CHLORIDE (CL)	12.0	21.0	14.0	14.0	19.0
FLUORIDE (F)	0.6	0.6	0.5	0.5	0.6
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05			
NITRATE + NITRITE AS N	<0.01	0.04	0.36	0.36	<0.01
	UJ4D				
PHOSPHORUS (P) TOT	0.034	0.021			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	0.2	0.2	0.2
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.087	0.007	0.043	0.041	0.031
BARIUM (BA) TRC	0.089	0.007	0.046	0.045	0.038
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.39	0.38	0.26	0.25	0.34
BORON (B) TRC	0.4	0.41	0.26	0.25	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16	SW-16	SW-16	SW-16
SAMPLE DATE	06/15/2011	10/26/2011	03/15/2012	03/15/2012	05/03/2012
SAMPLE TIME	15:00	12:10	09:40	09:41	15:00
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060332006	1100409012	2030214012	2030214013	2050095026
REMARKS				DUPLICATE	
SAMPLE NUMBER	OTRCR1106-114	DTRCR1110-765	OCC-1203-111	OCC-1203-112	OCC-1205-707
-- METALS & MINOR CONSTITUENTS --					
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001	<0.001	0.001	0.001	<0.001
IRON (FE) DIS	0.05	<0.05	0.06	0.06	<0.05
IRON (FE) TRC	0.17	0.11	0.75	0.74	0.6
	J4D				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	<0.0005	<0.0005	0.0006
MANGANESE (MN) DIS	0.085	0.047	0.63	0.586	0.117
MANGANESE (MN) TRC	0.089	0.051	0.618	0.63	0.292
		J4D			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.001	<0.001	0.001	0.001	<0.001
SELENIUM (SE) TRC	0.001	<0.001	0.001	0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17	SW-17	SW-17	SW-17	SW-17
SAMPLE DATE	06/14/2011	10/25/2011	03/15/2012	04/19/2012	05/24/2012
SAMPLE TIME	17:30	16:40	09:00	16:30	13:55
LAB	EL	EL	EL	HYDRO	HYDRO
LAB NUMBER	1060328008	1100409005	2030214011		
REMARKS				NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-108	OTRCR1110-758	OCC-1203-110	OCC-1204-109	OCC-1205-616
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	DRY	DRY
PH (FLD)	7.1	7.85	7.6		
PH	8.0	8.3			
SODIUM ADSORPTION RATIO	6.6	4.48	3.61		
SC (UMHOS/CM AT 25 C)	1760.0	4740.0			
SC (UMHOS/CM AT 25 C) (FLD)	4070.0	2770.0	2370.0		
TDS (MEASURED AT 180 C)	1360.0	4850.0			
TOTAL SUSPENDED SOLIDS	18100.0	1230.0			
TURBIDITY (NTU)	100000.0	100000.0			
		E			
WATER TEMPERATURE (FLD)	17.7	8.2	2.7		
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	181.0	246.0			
CALCIUM (CA) TRC	179.0	212.0	193.0		
MAGNESIUM (MG) DIS	172.0	245.0			
MAGNESIUM (MG) TRC	173.0	149.0	106.0		
SODIUM (NA) DIS	517.0	808.0			
SODIUM (NA) TRC	575.0	415.0	252.0		
POTASSIUM (K) DIS	14.0	16.0			
POTASSIUM (K) TRC	15.0	12.0	37.0		
TOTAL ALKALINITY AS CACO3	170.0	430.0			
BICARBONATE (HCO3)	210.0	520.0			
CARBONATE AS CO3	<4.0	4.0			
SULFATE (SO4)	800.0	2100.0			
CHLORIDE (CL)	6.0	<50.0			
FLUORIDE (F)	0.9	1.2			
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	0.45	<0.05			
NITRATE + NITRITE AS N	0.05	0.54			
PHOSPHORUS (P) TOT	0.11	0.012			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1			
ALUMINUM (AL) TRC	5.5	0.6	3.2		
ARSENIC (AS) DIS	<0.003	<0.003			
ARSENIC (AS) TRC	0.003	<0.003	<0.003		
BARIUM (BA) DIS	0.084	0.064			
BARIUM (BA) TRC	0.136	0.052	0.076		
BERYLLIUM (BE) DIS	<0.001	<0.001			
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001		
BORON (B) DIS	0.18	0.24			
BORON (B) TRC	0.17	0.18	0.1		
CADMIUM (CD) DIS	<0.00008	<0.00008			
CADMIUM (CD) TRC	0.00016	<0.00008	0.00016		
CHROMIUM (CR) DIS	<0.001	<0.001			
CHROMIUM (CR) TRC	0.009	0.001	0.006		
COPPER (CU) DIS	<0.001	0.003			
COPPER (CU) TRC	0.013	0.005	0.024		
IRON (FE) DIS	0.1	0.07			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17	SW-17	SW-17	SW-17	SW-17
SAMPLE DATE	06/14/2011	10/25/2011	03/15/2012	04/19/2012	05/24/2012
SAMPLE TIME	17:30	16:40	09:00	16:30	13:55
LAB	EL	EL	EL	HYDRO	HYDRO
LAB NUMBER	1060328008	1100409005	2030214011		
REMARKS				NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-108	OTRCR1110-758	OCC-1203-110	OCC-1204-109	OCC-1205-616
-- METALS & MINOR CONSTITUENTS --					
IRON (FE) TRC	9.32	0.88	6.32		
LEAD (PB) DIS	<0.0005	<0.0005			
LEAD (PB) TRC	0.01	0.0009	0.0064		
MANGANESE (MN) DIS	0.166	0.025			
MANGANESE (MN) TRC	0.248	0.038	0.815		
MERCURY (HG) DIS	<0.0001	<0.00005			
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005		
MOLYBDENUM (MO) DIS	<0.005	<0.005			
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005		
NICKEL (NI) DIS	<0.01	<0.01			
NICKEL (NI) TRC	0.02	<0.01	0.02		
SELENIUM (SE) DIS	0.005	0.003			
SELENIUM (SE) TRC	0.004	0.003	0.001		
VANADIUM (V) DIS	<0.1	<0.1			
VANADIUM (V) TRC	<0.1	<0.1	<0.1		
ZINC (ZN) DIS	0.06	0.01			
ZINC (ZN) TRC	0.06	0.06	0.09		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18	SW-18	SW-18	SW-18
SAMPLE DATE	06/15/2011	10/25/2011	03/15/2012	03/22/2012	05/23/2012
SAMPLE TIME	08:55	12:00	11:40	10:20	15:32
LAB	EL	HYDRO	HYDRO	EL	HYDRO
LAB NUMBER	1060332004			2030308001	
REMARKS		NO SAMPLE	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OTRCR1106-112	OTRCR1110-777	DCC-1203-132	OCC-1203-116	OCC-1205-606
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	NO MEAS	DRY	FROZEN	NO MEAS	DRY
PH (FLD)	8.05			7.63	
PH	7.9			6.7	
SODIUM ADSORPTION RATIO	1.65			0.42	
SC (UMHOS/CM AT 25 C)	536.0			517.0	
SC (UMHOS/CM AT 25 C) (FLD)	4030.0			394.0	
TDS - CALCULATED	325.0				
TDS (MEASURED AT 180 C)				470.0	
TOTAL SUSPENDED SOLIDS				8700.0	
				H	
WATER TEMPERATURE (FLD)	19.8			3.1	
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	28.0			39.0	
CALCIUM (CA) TRC	33.0			22.0	
MAGNESIUM (MG) DIS	16.0			21.0	
MAGNESIUM (MG) TRC	19.0			11.0	
SODIUM (NA) DIS	44.0			13.0	
SODIUM (NA) TRC	50.0			8.0	
POTASSIUM (K) DIS	7.0			65.0	
POTASSIUM (K) TRC	8.0			42.0	
TOTAL ALKALINITY AS CACO3	100.0			170.0	
BICARBONATE (HCO3)	120.0			210.0	
CARBONATE AS CO3	<4.0			<1.0	
SULFATE (SO4)	160.0			42.0	
CHLORIDE (CL)	1.0			15.0	
FLUORIDE (F)	2.0			0.4	
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	0.31				
NITRATE + NITRITE AS N	<0.01			0.02	
	UJ4D				
PHOSPHORUS (P) TOT	0.179				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1			<0.1	
ALUMINUM (AL) TRC	3.1			0.1	
ARSENIC (AS) DIS	<0.003			<0.003	
ARSENIC (AS) TRC	<0.003			<0.003	
BARIUM (BA) DIS	0.07			0.066	
BARIUM (BA) TRC	0.109			0.041	
BERYLLIUM (BE) DIS	<0.001			<0.001	
BERYLLIUM (BE) TRC	<0.001			<0.001	
BORON (B) DIS	0.04			0.07	
BORON (B) TRC	0.05			0.04	
CADMIUM (CD) DIS	<0.00008			<0.00008	
CADMIUM (CD) TRC	0.00014			<0.00008	
CHROMIUM (CR) DIS	<0.001			<0.001	
CHROMIUM (CR) TRC	0.008			<0.001	
COPPER (CU) DIS	0.002			0.007	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18	SW-18	SW-18	SW-18
SAMPLE DATE	06/15/2011	10/25/2011	03/15/2012	03/22/2012	05/23/2012
SAMPLE TIME	08:55	12:00	11:40	10:20	15:32
LAB	EL	HYDRO	HYDRO	EL	HYDRO
LAB NUMBER	1060332004			2030308001	
REMARKS		NO SAMPLE	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OTRCR1106-112	OTRCR1110-777	OCC-1203-132	OCC-1203-116	OCC-1205-606
-- METALS & MINOR CONSTITUENTS --					
COPPER (CU) TRC	0.009			0.005	
IRON (FE) DIS	0.05			0.35	
IRON (FE) TRC	5.12			0.35	
	J4D				
LEAD (PB) DIS	<0.0005			0.0007	
LEAD (PB) TRC	0.0046			0.0008	
MANGANESE (MN) DIS	<0.005			0.1	
MANGANESE (MN) TRC	0.109			0.064	
MERCURY (HG) DIS	<0.0001			<0.00005	
MERCURY (HG) TOT	<0.0001			<0.00005	
MOLYBDENUM (MO) DIS	<0.005			<0.005	
MOLYBDENUM (MO) TRC	<0.005			<0.005	
NICKEL (NI) DIS	<0.01			<0.01	
NICKEL (NI) TRC	<0.01			<0.01	
SELENIUM (SE) DIS	<0.001			<0.001	
SELENIUM (SE) TRC	<0.001			<0.001	
VANADIUM (V) DIS	<0.1			<0.1	
VANADIUM (V) TRC	<0.1			<0.1	
ZINC (ZN) DIS	0.32			0.04	
ZINC (ZN) TRC	0.32			0.04	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19	SW-19	SW-19	SW-19
SAMPLE DATE	10/25/2011	10/25/2011	03/15/2012	05/23/2012
SAMPLE TIME	12:50	12:10	17:10	15:12
LAB	HYDRO	HYDRO	HYDRO	HYDRO
LAB NUMBER				
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1110-775	OTRCR1110-778	OCC-1203-133	OCC-1205-605
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	DRY	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20	SW-20	SW-20	SW-20	SW-20
SAMPLE DATE	06/15/2011	10/25/2011	03/15/2012	03/22/2012	05/23/2012
SAMPLE TIME	07:00	12:30	12:30	10:00	15:00
LAB	EL	EL	HYDRO	HYDRO	HYDRO
LAB NUMBER	1060332003	1100409001			
REMARKS			NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-111	OTRCR1110-754	OCC-1203-134	OCC-1203-122	OCC-1205-604
-- PHYSICAL PARAMETERS --					
FLOW (cfs)	NO MEAS	NO MEAS	FROZEN	DRY	DRY
PH (FLD)	7.9	7.94			
PH	8.0	8.1			
SODIUM ADSORPTION RATIO	0.8	0.62			
SC (UMHOS/CM AT 25 C)	318.0	560.0			
SC (UMHOS/CM AT 25 C) (FLD)	544.0	680.0			
TDS - CALCULATED	190.0				
TDS (MEASURED AT 180 C)		385.0			
TOTAL SUSPENDED SOLIDS		286.0			
TURBIDITY (NTU)		486.0			
WATER TEMPERATURE (FLD)	17.0	10.0			
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	25.0	72.0			
CALCIUM (CA) TRC	2.0	66.0			
MAGNESIUM (MG) DIS	10.0	19.0			
MAGNESIUM (MG) TRC	<1.0	18.0			
SODIUM (NA) DIS	19.0	23.0			
SODIUM (NA) TRC	<1.0	21.0			
POTASSIUM (K) DIS	5.0	16.0			
POTASSIUM (K) TRC	<1.0	15.0			
TOTAL ALKALINITY AS CACO3	67.0	130.0			
BICARBONATE (HCO3)	81.0	160.0			
CARBONATE AS CO3	<4.0	<4.0			
SULFATE (SO4)	82.0	150.0			
CHLORIDE (CL)	1.0	5.0			
FLUORIDE (F)	0.7	0.5			
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	1.44	<0.05			
NITRATE + NITRITE AS N	0.08	1.32			
	J4D				
PHOSPHORUS (P) TOT	0.403	0.018			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	0.6			
ALUMINUM (AL) TRC	<0.1	0.4			
ARSENIC (AS) DIS	<0.003	<0.003			
ARSENIC (AS) TRC	<0.003	<0.003			
BARIUM (BA) DIS	0.048	0.117			
BARIUM (BA) TRC	<0.005	0.112			
BERYLLIUM (BE) DIS	<0.001	<0.001			
BERYLLIUM (BE) TRC	<0.001	<0.001			
BORON (B) DIS	0.04	0.05			
BORON (B) TRC	<0.01	0.05			
CADMIUM (CD) DIS	<0.00008	<0.00008			
CADMIUM (CD) TRC	<0.00008	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001			
CHROMIUM (CR) TRC	<0.001	<0.001			
COPPER (CU) DIS	<0.001	0.003			
COPPER (CU) TRC	<0.001	0.003			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20	SW-20	SW-20	SW-20	SW-20
SAMPLE DATE	06/15/2011	10/25/2011	03/15/2012	03/22/2012	05/23/2012
SAMPLE TIME	07:00	12:30	12:30	10:00	15:00
LAB	EL	EL	HYDRO	HYDRO	HYDRO
LAB NUMBER	1060332003	1100409001			
REMARKS			NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTRCR1106-111	OTRCR1110-754	OCC-1203-134	OCC-1203-122	OCC-1205-604
-- METALS & MINOR CONSTITUENTS --					
IRON (FE) DIS	0.13	0.67			
IRON (FE) TRC	<0.05	0.68			
	UJ4D				
LEAD (PB) DIS	<0.0005	0.0011			
LEAD (PB) TRC	<0.0005	0.0006			
MANGANESE (MN) DIS	0.012	0.045			
MANGANESE (MN) TRC	0.011	0.058			
MERCURY (HG) DIS	<0.0001	<0.00005			
MERCURY (HG) TOT	<0.0001	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005			
MOLYBDENUM (MO) TRC	<0.005	<0.005			
NICKEL (NI) DIS	<0.01	<0.01			
NICKEL (NI) TRC	<0.01	<0.01			
SELENIUM (SE) DIS	0.002	0.001			
SELENIUM (SE) TRC	<0.001	<0.001			
VANADIUM (V) DIS	<0.1	<0.1			
VANADIUM (V) TRC	<0.1	<0.1			
ZINC (ZN) DIS	0.08	0.01			
ZINC (ZN) TRC	0.2	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-21
SAMPLE DATE	03/15/2012
SAMPLE TIME	13:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1203-135

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22	SW-22	SW-22
SAMPLE DATE	06/15/2011	10/26/2011	03/15/2012	05/03/2012
SAMPLE TIME	17:15	13:00	14:00	15:30
LAB	EL	EL	EL	EL
LAB NUMBER	1060332007	1100409013	2030214015	2050095025
SAMPLE NUMBER	OTRCR1106-115	OTRCR1110-766	OCC-1203-114	OCC-1205-706
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	NO MEAS	NO MEAS	5.1	5.1
PH (FLD)	8.11	8.71	8.1	8.57
PH	8.5	8.5	8.1	8.4
SODIUM ADSORPTION RATIO	5.07	5.81	5.0	5.57
SC (UMHOS/CM AT 25 C)	3430.0	3330.0	3520.0	3850.0
SC (UMHOS/CM AT 25 C) (FLD)	3750.0	3720.0	3420.0	3737.0
TDS (MEASURED AT 180 C)	3050.0	3050.0	2700.0	3130.0
TOTAL SUSPENDED SOLIDS	20.0	11.0	32.0	24.0
	J4D			
TURBIDITY (NTU)	5.5	5.9	15.6	7.7
	J4D	J4D		
WATER TEMPERATURE (FLD)	22.9	5.8	9.8	17.4
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	141.0	138.0	140.0	141.0
CALCIUM (CA) TRC	144.0	139.0	145.0	133.0
MAGNESIUM (MG) DIS	242.0	244.0	218.0	257.0
MAGNESIUM (MG) TRC	243.0	243.0	216.0	250.0
SODIUM (NA) DIS	428.0	482.0	405.0	481.0
SODIUM (NA) TRC	429.0	490.0	413.0	488.0
POTASSIUM (K) DIS	20.0	21.0	18.0	20.0
POTASSIUM (K) TRC	20.0	21.0	18.0	19.0
TOTAL ALKALINITY AS CACO3	620.0	620.0	520.0	620.0
BICARBONATE (HCO3)	690.0	680.0	640.0	670.0
CARBONATE AS CO3	34.0	34.0	<1.0	44.0
SULFATE (SO4)	1700.0	1700.0	1600.0	1800.0
CHLORIDE (CL)	12.0	20.0	15.0	18.0
FLUORIDE (F)	0.6	0.6	0.5	0.6
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		
NITRATE + NITRITE AS N	<0.01	0.01	0.36	<0.01
	UJ4D			
PHOSPHORUS (P) TOT	0.06	0.037		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	0.2	0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.093	0.023	0.042	0.031
BARIUM (BA) TRC	0.096	0.025	0.048	0.034
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.38	0.37	0.25	0.35
BORON (B) TRC	0.37	0.38	0.25	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22	SW-22	SW-22
SAMPLE DATE	06/15/2011	10/26/2011	03/15/2012	05/03/2012
SAMPLE TIME	17:15	13:00	14:00	15:30
LAB	EL	EL	EL	EL
LAB NUMBER	1060332007	1100409013	2030214015	2050095025
SAMPLE NUMBER	OTRCR1106-115	OTRCR1110-766	OCC-1203-114	OCC-1205-706
-- METALS & MINOR CONSTITUENTS --				
COPPER (CU) DIS	0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001	<0.001	0.002	<0.001
IRON (FE) DIS	0.07	<0.05	<0.05	<0.05
IRON (FE) TRC	0.24	0.27	0.83	0.48
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	0.125	0.176	0.563	0.187
MANGANESE (MN) TRC	0.128	0.188	0.528	0.244
		J4D		
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	0.001	<0.001	0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23	SW-23	SW-23	SW-23	SW-23
SAMPLE DATE	06/15/2011	06/15/2011	10/25/2011	03/15/2012	04/19/2012	05/02/2012
SAMPLE TIME	06:00	06:05	13:00	13:30	15:10	14:00
LAB	EL	EL	HYDRO	EL	EL	HYDRO
LAB NUMBER	1060332001	1060332002		2030214014	2040346001	
REMARKS		DUPLICATE	NO SAMPLE			NO SAMPLE
OTHER INFO						Field Pars On
SAMPLE NUMBER	OTRCR1106-109	OTRCR1106-110	OTRCR1110-776	OCC-1203-113	OCC-1204-100	OCC-1205-714
-- PHYSICAL PARAMETERS --						
FLOW (cfs)	0.1		DRY	NO MEAS	0.06	0.086
PH (FLD)	7.68			7.86	8.34	8.03
PH	8.2	8.2		7.9	8.0	
SODIUM ADSORPTION RATIO	5.96	6.37		4.98	6.81	
SC (UMHOS/CM AT 25 C)	3580.0	3520.0		3090.0	4520.0	
SC (UMHOS/CM AT 25 C) (FLD)	3800.0			2970.0	4295.0	3821.0
TDS (MEASURED AT 180 C)	3050.0	3050.0		2270.0	3810.0	
TOTAL SUSPENDED SOLIDS	16.0	6.0		<4.0	6.0	
	J4D					
TURBIDITY (NTU)	9.5	5.2		3.5	5.0	
	J4D					
WATER TEMPERATURE (FLD)	15.1			9.8	13.4	17.4
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	119.0	117.0		113.0	154.0	
CALCIUM (CA) TRC	115.0	122.0		115.0	154.0	
MAGNESIUM (MG) DIS	224.0	222.0		189.0	267.0	
MAGNESIUM (MG) TRC	221.0	234.0		184.0	264.0	
SODIUM (NA) DIS	494.0	484.0		373.0	604.0	
SODIUM (NA) TRC	479.0	508.0		366.0	610.0	
POTASSIUM (K) DIS	19.0	19.0		15.0	22.0	
POTASSIUM (K) TRC	19.0	20.0		15.0	22.0	
TOTAL ALKALINITY AS CACO3	640.0	640.0		500.0	680.0	
BICARBONATE (HCO3)	780.0	780.0		620.0	830.0	
CARBONATE AS CO3	<4.0	<4.0		<1.0	<1.0	
SULFATE (SO4)	1700.0	1800.0		1300.0	2200.0	
CHLORIDE (CL)	6.0	6.0		8.0	12.0	
FLUORIDE (F)	0.6	0.6		0.5	0.6	
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05				
NITRATE + NITRITE AS N	2.39	<0.01		<0.01	<0.01	
	J4D					
PHOSPHORUS (P) TOT	0.096	0.092				
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1	<0.1		<0.1	<0.1	
ALUMINUM (AL) TRC	0.1	<0.1		<0.1	<0.1	
ARSENIC (AS) DIS	<0.003	<0.003		<0.003	<0.003	
ARSENIC (AS) TRC	<0.003	<0.003		<0.003	<0.003	
BARIUM (BA) DIS	0.054	0.055		0.026	0.028	
BARIUM (BA) TRC	0.054	0.055		0.027	0.029	
BERYLLIUM (BE) DIS	<0.001	<0.001		<0.001	<0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001		<0.001	<0.001	
BORON (B) DIS	0.57	0.57		0.31	0.57	
BORON (B) TRC	0.56	0.58		0.33	0.55	
CADMIUM (CD) DIS	<0.00008	<0.00008		<0.00008	<0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008		<0.00008	<0.00008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23	SW-23	SW-23	SW-23	SW-23
SAMPLE DATE	06/15/2011	06/15/2011	10/25/2011	03/15/2012	04/19/2012	05/02/2012
SAMPLE TIME	06:00	06:05	13:00	13:30	15:10	14:00
LAB	EL	EL	HYDRO	EL	EL	HYDRO
LAB NUMBER	1060332001	1060332002		2030214014	2040346001	
REMARKS		DUPLICATE	NO SAMPLE			NO SAMPLE
OTHER INFO						Field Pars On
SAMPLE NUMBER	OTRCR1106-109	OTRCR1106-110	OTRCR1110-776	OCC-1203-113	OCC-1204-100	OCC-1205-714
-- METALS & MINOR CONSTITUENTS --						
CHROMIUM (CR) DIS	<0.001	<0.001		<0.001	<0.001	
CHROMIUM (CR) TRC	<0.001	<0.001		<0.001	<0.001	
COPPER (CU) DIS	<0.001	<0.001		<0.001	<0.001	
COPPER (CU) TRC	<0.001	<0.001		0.001	<0.001	
IRON (FE) DIS	0.12	0.11		<0.05	<0.05	
IRON (FE) TRC	0.37	0.27		0.31	0.42	
	J4O					
LEAD (PB) DIS	<0.0005	<0.0005		<0.0005	<0.0005	
LEAD (PB) TRC	<0.0005	<0.0005		<0.0005	<0.0005	
MANGANESE (MN) DIS	1.4	1.47		0.057	0.036	
MANGANESE (MN) TRC	1.4	1.52		0.056	0.04	
MERCURY (HG) DIS	<0.0001	<0.0001		<0.00005	<0.00005	
MERCURY (HG) TOT	<0.0001	<0.0001		<0.00005	<0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005		<0.005	<0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005		<0.005	<0.005	
NICKEL (NI) DIS	<0.01	<0.01		<0.01	<0.01	
NICKEL (NI) TRC	<0.01	<0.01		<0.01	<0.01	
SELENIUM (SE) DIS	<0.001	<0.001		<0.001	<0.001	
SELENIUM (SE) TRC	<0.001	<0.001		<0.001	<0.001	
VANADIUM (V) DIS	<0.1	<0.1		<0.1	<0.1	
VANADIUM (V) TRC	<0.1	<0.1		<0.1	<0.1	
ZINC (ZN) DIS	<0.01	<0.01		<0.01	<0.01	
ZINC (ZN) TRC	<0.01	<0.01		<0.01	<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24	SW-24	SW-24
SAMPLE DATE	10/26/2011	03/14/2012	04/19/2012
SAMPLE TIME	07:45	09:40	08:55
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
OTHER INFO		No Water	
SAMPLE NUMBER	OTRCR1110-771	OCC-1203-136	OCC-1204-113

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTER DOMEST
SAMPLE DATE	08/30/2011
SAMPLE TIME	10:10
LAB	EL
LAB NUMBER	1090016001
SAMPLE NUMBER	OTRCR1108-100

-- PHYSICAL PARAMETERS --	
PH (FLD)	6.78
PH	8.0
SODIUM ADSORPTION RATIO	6.27
SC (UMHOS/CM AT 25 C)	4010.0
SC (UMHOS/CM AT 25 C) (FLD)	4280.0
TDS (MEASURED AT 180 C)	3630.0
WATER TEMPERATURE (FLD)	12.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	194.0
CALCIUM (CA) TRC	202.0
MAGNESIUM (MG) DIS	232.0
MAGNESIUM (MG) TRC	242.0
SODIUM (NA) DIS	547.0
SODIUM (NA) TRC	552.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	530.0
BICARBONATE (HCO3)	650.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	2000.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	2.66
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.024
BARIUM (BA) TRC	0.025
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.27
BORON (B) TRC	0.26
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.171
COPPER (CU) TRC	0.171
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	0.0006
LEAD (PB) TRC	0.0007
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTER DOMEST
SAMPLE DATE	08/30/2011
SAMPLE TIME	10:10
LAB	EL
LAB NUMBER	1090016001
SAMPLE NUMBER	OTRCR1108-100

-- METALS & MINOR CONSTITUENTS --

MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.018
SELENIUM (SE)	TRC	0.019
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	0.02
ZINC (ZN)	TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTER STOCK
SAMPLE DATE	08/30/2011
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	1090016003
SAMPLE NUMBER	OTRCR1108-102

-- PHYSICAL PARAMETERS --	
PH (FLD)	7.95
PH	8.5
SODIUM ADSORPTION RATIO	50.3
SC (UMHOS/CM AT 25 C)	1510.0
SC (UMHOS/CM AT 25 C) (FLD)	1540.0
TDS (MEASURED AT 180 C)	946.0
WATER TEMPERATURE (FLD)	12.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
CALCIUM (CA) TRC	28.0
MAGNESIUM (MG) DIS	1.0
MAGNESIUM (MG) TRC	17.0
SODIUM (NA) DIS	382.0
SODIUM (NA) TRC	343.0
POTASSIUM (K) DIS	2.0
POTASSIUM (K) TRC	7.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	25.0
SULFATE (SO4)	<5.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	2.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ALUMINUM (AL) TRC	10.5
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.01
BARIUM (BA) DIS	0.132
BARIUM (BA) TRC	0.435
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.15
BORON (B) TRC	0.16
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00051
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.031
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.092
IRON (FE) DIS	0.09
IRON (FE) TRC	37.7
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.031
MANGANESE (MN) DIS	0.005
MANGANESE (MN) TRC	0.766
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	0.00017
MOLYBDENUM (MO) DIS	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTER STOCK
SAMPLE DATE	08/30/2011
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	1090016003
SAMPLE NUMBER	OTRCR1108-102

-- METALS & MINOR CONSTITUENTS --

MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	0.04
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	0.17
ZINC (ZN)	TRC	1.27

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTEE YARD W
SAMPLE DATE	08/30/2011
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	1090016002
SAMPLE NUMBER	OTRCR1108-101

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	24.11
PH (FLD)	7.62
PH	8.0
SODIUM ADSORPTION RATIO	10.8
SC (UMHOS/CM AT 25 C)	6460.0
SC (UMHOS/CM AT 25 C) (FLD)	7040.0
TDS (MEASURED AT 180 C)	6110.0
WATER TEMPERATURE (FLD)	11.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	255.0
CALCIUM (CA) TRC	256.0
MAGNESIUM (MG) DIS	352.0
MAGNESIUM (MG) TRC	352.0
SODIUM (NA) DIS	1140.0
SODIUM (NA) TRC	1090.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	14.0
TOTAL ALKALINITY AS CACO3	530.0
BICARBONATE (HCO3)	650.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	3800.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	3.94
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.016
BARIUM (BA) TRC	0.019
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.24
BORON (B) TRC	0.24
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	0.004
COPPER (CU) TRC	0.006
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.47
LEAD (PB) DIS	0.0006
LEAD (PB) TRC	0.0011
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	0.008
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Domestic Wells

SITE CODE	TARTER YARD W
SAMPLE DATE	08/30/2011
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	1090016002
SAMPLE NUMBER	OTRCR1108-101

-- METALS & MINOR CONSTITUENTS --

MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.03
SELENIUM (SE)	TRC	0.028
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	0.35
ZINC (ZN)	TRC	0.36

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1	A1	A1	A1
SAMPLE DATE	08/23/2011	10/18/2011	01/04/2012	04/26/2012
SAMPLE TIME	16:30	16:53	16:45	10:00
LAB	EL	EL	EL	EL
LAB NUMBER	1080476007	1100344004	2010106013	2040471031
SAMPLE NUMBER	OTRCR1108-806	OTRCR1110-703	OTRCR1201-112	OCC-1204-530
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	8.98	8.98	8.96	8.73
PH (FLD)	7.97	7.86	7.91	7.7
PH	8.3	8.1	8.3	7.8
SODIUM ADSORPTION RATIO	7.81	8.17	8.26	8.52
SC (UMHOS/CM AT 25 C)	2640.0	2470.0	2800.0	2700.0
SC (UMHOS/CM AT 25 C) (FLD)	4250.0	2940.0	2780.0	2620.0
TDS (MEASURED AT 180 C)	2160.0	1900.0	1680.0	1900.0
WATER TEMPERATURE (FLD)	11.4	11.7	9.1	9.8
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	80.0	64.0	55.0	53.0
CALCIUM (CA) TRC	84.0			
MAGNESIUM (MG) DIS	128.0	103.0	87.0	86.0
MAGNESIUM (MG) TRC	131.0			
SODIUM (NA) DIS	484.0	455.0	422.0	432.0
SODIUM (NA) TRC	481.0			
POTASSIUM (K) DIS	28.0	26.0	24.0	23.0
POTASSIUM (K) TRC	28.0			
TOTAL ALKALINITY AS CACO3	580.0	610.0	640.0	670.0
BICARBONATE (HCO3)	710.0	740.0	780.0	780.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	17.0
SULFATE (SO4)	1100.0	950.0	800.0	750.0
CHLORIDE (CL)	41.0	45.0	59.0	57.0
FLUORIDE (F)	2.0	2.0	3.0	3.0
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	0.96	0.99	1.05	1.14
PHOSPHORUS (P) TOT	0.049			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	0.03	0.03	0.037	0.032
ARSENIC (AS) TRC	0.03			
BARIUM (BA) DIS	0.034	0.028	0.024	0.019
BARIUM (BA) TRC	0.037			
BRRYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.45	0.43	0.45	0.4
BORON (B) TRC	0.45			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	0.012	0.011	0.012	0.012
CHROMIUM (CR) TRC	0.012			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.07			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.006	<0.005	<0.005	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE		A1	A1	A1	A1
SAMPLE DATE		08/23/2011	10/18/2011	01/04/2012	04/26/2012
SAMPLE TIME		16:30	16:53	16:45	10:00
LAB		EL	EL	EL	EL
LAB NUMBER		1080476007	1100344004	2010106013	2040471031
SAMPLE NUMBER		OTRCR1108-806	OTRCR1110-703	OTRCR1201-112	OCC-1204-530
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN)	TRC	0.008			
MERCURY (HG)	DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG)	TOT	<0.00005			
MOLYBDENUM (MO)	DIS	0.013	0.012	0.013	0.012
MOLYBDENUM (MO)	TRC	0.014			
NICKEL (NI)	DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI)	TRC	<0.01			
SELENIUM (SE)	DIS	0.005	0.005	0.006	0.005
SELENIUM (SE)	TRC	0.005			
VANADIUM (V)	DIS	0.2	0.2	0.3	0.2
VANADIUM (V)	TRC	0.2			
ZINC (ZN)	DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN)	TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A2
SAMPLE DATE	06/23/2011
SAMPLE TIME	13:48
LAB	EL
LAB NUMBER	1060448014
SAMPLE NUMBER	OTRCRK1106213

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	48.76
PH (FLD)	7.79
PH	8.2
SODIUM ADSORPTION RATIO	7.17
SC (UMHOS/CM AT 25 C)	3050.0
SC (UMHOS/CM AT 25 C) (FLD)	3367.0
TDS (MEASURED AT 180 C)	2380.0
WATER TEMPERATURE (FLD)	16.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
CALCIUM (CA) TRC	71.0
MAGNESIUM (MG) DIS	161.0
MAGNESIUM (MG) TRC	158.0
SODIUM (NA) DIS	488.0
SODIUM (NA) TRC	474.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05
NITRATE + NITRITE AS N	1.03
PHOSPHORUS (P) TOT	0.023
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.018
BARIUM (BA) TRC	0.023
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.31
BORON (B) TRC	0.33
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.22
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A2
SAMPLE DATE	06/23/2011
SAMPLE TIME	13:48
LAB	EL
LAB NUMBER	1060448014
SAMPLE NUMBER	OTRCRK1106213

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.003
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A3	A3	A3	A3
SAMPLE DATE	08/24/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	08:10	08:20	10:55	17:18
LAB	EL	EL	EL	EL
LAB NUMBER	1080526001	1100352003	2010179006	2040471025
SAMPLE NUMBER	OTRCR1108-850	OTRCR1110-402	OTRCR1201-205	OCC-1204-534
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	6.26	6.4	5.99	5.6
PH (FLD)	7.7	7.5	7.49	7.7
PH	8.1	7.8	7.5	7.4
SODIUM ADSORPTION RATIO	5.19	5.35	5.2	5.24
SC (UMHOS/CM AT 25 C)	2930.0	2760.0	3460.0	3400.0
SC (UMHOS/CM AT 25 C) (FLD)	4430.0	3160.0	3270.0	3170.0
TDS (MEASURED AT 180 C)	2530.0	2550.0	2460.0	2660.0
WATER TEMPERATURE (FLD)	10.4	10.0	9.4	12.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	130.0	124.0	132.0	125.0
CALCIUM (CA) TRC	138.0			
MAGNESIUM (MG) DIS	204.0	194.0	188.0	197.0
MAGNESIUM (MG) TRC	212.0			
SODIUM (NA) DIS	407.0	409.0	398.0	404.0
SODIUM (NA) TRC	397.0			
POTASSIUM (K) DIS	20.0	20.0	20.0	19.0
POTASSIUM (K) TRC	20.0			
TOTAL ALKALINITY AS CACO3	620.0	620.0	630.0	630.0
BICARBONATE (HCO3)	750.0	750.0	750.0	770.0
CARBONATE AS CO3	<4.0	<4.0	11.0	<1.0
SULFATE (SO4)	1400.0	1400.0	1400.0	1400.0
CHLORIDE (CL)	7.0	7.0	8.0	8.0
FLUORIDE (F)	0.7	0.6	0.6	0.6
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.1			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.045			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.1			
ARSENIC (AS) DIS	0.004	0.004	0.005	0.004
ARSENIC (AS) TRC	0.004			
BARIUM (BA) DIS	0.015	0.014	0.014	0.014
BARIUM (BA) TRC	0.02			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.49	0.47	0.48	0.51
BORON (B) TRC	0.49			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	2.52	2.39	2.38	2.41
IRON (FE) TRC	2.97			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.266	0.253	0.253	0.245

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3	A3	A3	A3
SAMPLE DATE	08/24/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	08:10	08:20	10:55	17:18
LAB	EL	EL	EL	EL
LAB NUMBER	1080526001	1100352003	2010179006	2040471025
SAMPLE NUMBER	OTRCR1108-850	OTRCR1110-402	OTRCR1201-205	OCC-1204-524
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.272			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A4	A4	A4	A4	A4
SAMPLE DATE	06/22/2011	06/22/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	10:55	10:56	07:50	09:45	17:52
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060450009	1060450010	1100352002	2010179005	2040471026
REMARKS		DUPLICATE			
SAMPLE NUMBER	OTRCR1106-009	OTRCR1106-010	OTRCR1110-401	OTRCR1201-204	OCC-1204-525
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	5.8		6.76	6.58	6.4
PH (FLD)	7.77		7.3	7.54	7.65
PH	8.0	8.2	7.8	7.5	7.4
SODIUM ADSORPTION RATIO	4.83	4.88	4.73	4.64	4.68
SC (UMHOS/CM AT 25 C)	2790.0	2800.0	2600.0	3150.0	3100.0
SC (UMHOS/CM AT 25 C) (FLD)	3120.0		2880.0	3010.0	2990.0
TDS (MEASURED AT 180 C)	2420.0	2400.0	2270.0	2300.0	2330.0
WATER TEMPERATURE (FLD)	13.3		9.4	9.3	12.9
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	107.0	103.0	114.0	121.0	114.0
CALCIUM (CA) TRC	115.0	106.0			
MAGNESIUM (MG) DIS	184.0	183.0	186.0	178.0	186.0
MAGNESIUM (MG) TRC	184.0	175.0			
SODIUM (NA) DIS	355.0	356.0	352.0	343.0	349.0
SODIUM (NA) TRC	355.0	338.0			
POTASSIUM (K) DIS	14.0	14.0	15.0	15.0	15.0
POTASSIUM (K) TRC	14.0	14.0			
TOTAL ALKALINITY AS CACO3	520.0	530.0	530.0	540.0	550.0
BICARBONATE (HCO3)	640.0	650.0	650.0	640.0	670.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	13.0	<1.0
SULFATE (SO4)	1200.0	1200.0	1300.0	1300.0	1300.0
CHLORIDE (CL)	7.0	7.0	7.0	8.0	7.0
FLUORIDE (F)	0.8	0.8	0.8	0.8	0.7
HYDROXIDE (OH)				<1.0	<4.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05			
NITRATE + NITRITE AS N	0.06	0.06	0.12	0.1	0.06
					UJ1
PHOSPHORUS (P) TOT	0.049	0.04			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	1.5	1.2			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003			
BARIUM (BA) DIS	0.010	0.018	0.016	0.016	0.016
BARIUM (BA) TRC	0.046	0.04			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001			
BORON (B) DIS	0.43	0.42	0.42	0.43	0.44
BORON (B) TRC	0.43	0.42			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.002	0.002			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.003	0.003			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	2.02	1.58			
	J4D				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4	A4	A4	A4	A4
SAMPLE DATE	06/22/2011	06/22/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	10:55	10:56	07:50	09:45	17:52
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060450009	1060450010	1100352002	2010179005	2040471026
REMARKS		DUPLICATE			
SAMPLE NUMBER	OTRCR1106-009	OTRCR1106-010	OTRCR1110-401	OTRCR1201-204	OCC-1204-525
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0015	0.0012			
MANGANESE (MN) DIS	1.29	1.27	1.28	1.26	1.29
MANGANESE (MN) TRC	1.3	1.23			
MERCURY (HG) DIS	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.0001			
MOLYBDENUM (MO) DIS	0.007	0.007	0.007	0.007	0.007
MOLYBDENUM (MO) TRC	0.007	0.007			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5	A5	A5	A5	A5
SAMPLE DATE	08/25/2011	10/18/2011	01/12/2012	01/12/2012	05/01/2012
SAMPLE TIME	08:30	13:55	11:42	11:40	15:26
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080526004	1100344001	2011023012	2011023013	2050095004
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCR1108-853	OTRCR1110-700	OTRCR1201-131	OTRCR1201-132	OCC-1205-543
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	8.66	8.95		7.31	5.9
PH (FLD)	7.48	7.39		7.26	7.61
PH	8.0	7.6	7.4	7.3	7.0
SODIUM ADSORPTION RATIO	5.28	5.39	5.94	6.17	5.62
SC (UMHOS/CM AT 25 C)	3450.0	3360.0	3940.0	3940.0	3660.0
SC (UMHOS/CM AT 25 C) (FLD)	4100.0	4030.0		3758.0	3472.0
TDS (MEASURED AT 180 C)	3350.0	3390.0	3220.0	3320.0	2920.0
WATER TEMPERATURE (FLD)	10.1	11.1		10.6	6.9
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	206.0	208.0	196.0	197.0	172.0
CALCIUM (CA) TRC	198.0				
MAGNESIUM (MG) DIS	240.0	238.0	214.0	221.0	194.0
MAGNESIUM (MG) TRC	225.0				
SODIUM (NA) DIS	471.0	480.0	506.0	530.0	453.0
SODIUM (NA) TRC	482.0				
POTASSIUM (K) DIS	16.0	16.0	16.0	17.0	13.0
POTASSIUM (K) TRC	16.0				
TOTAL ALKALINITY AS CACO3	620.0	640.0	656.0	678.0	640.0
BICARBONATE (HCO3)	760.0	780.0	800.0	828.0	780.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	1800.0	1900.0	1940.0	2010.0	1600.0
CHLORIDE (CL)	13.0	13.0	11.0	12.0	12.0
FLUORIDE (F)	0.5	0.5	0.5	0.5	0.4
HYDROXIDE (OH)		<4.0	<4.0	<4.0	<4.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05				
NITRATE + NITRITE AS N	0.19	0.41	0.39	0.4	0.04
PHOSPHORUS (P) TOT	0.007				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1				
	UJ4D				
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003				
BARIUM (BA) DIS	0.029	0.026	0.023	0.024	0.019
BARIUM (BA) TRC	0.03				
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001				
BORON (B) DIS	0.33	0.32	0.28	0.3	0.26
BORON (B) TRC	0.33				
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008				
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001				
COPPER (CU) DIS	<0.001	0.003	<0.001	<0.001	0.001
COPPER (CU) TRC	<0.001				
IRON (FE) DIS	0.16	0.08	<0.05	<0.05	1.32
IRON (FE) TRC	0.51				
	J4D				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A5	A5	A5	A5	A5
SAMPLE DATE	08/25/2011	10/18/2011	01/12/2012	01/12/2012	05/01/2012
SAMPLE TIME	08:30	13:55	11:42	11:40	15:26
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080526004	1100344001	2011023012	2011023013	2050095004
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCR1108-853	OTRCR1110-700	OTRCR1201-131	OTRCR1201-132	OCC-1205-543
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005				
MANGANESE (MN) DIS	0.007	<0.005	<0.005	<0.005	0.012
MANGANESE (MN) TRC	0.008				
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005				
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005				
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01				
SELENIUM (SE) DIS	0.006	0.005	0.002	0.002	<0.001
SELENIUM (SE) TRC	0.006				
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1				
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6	A6	A6	A6
SAMPLE DATE	06/22/2011	10/21/2011	01/10/2012	04/25/2012
SAMPLE TIME	11:45	09:20	13:20	10:27
LAB	EL	EL	EL	EL
LAB NUMBER	1060450011	1100352005	2010179002	2040471020
SAMPLE NUMBER	OTRCR1106-011	OTRCR1110-404	OTRCR1201-201	OCC-1204-519
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	6.62	8.56	8.3	8.23
PH (FLD)	7.54	7.5	7.33	7.61
PH	8.2	7.7	7.5	7.8
SODIUM ADSORPTION RATIO	9.59	9.35	10.6	9.04
SC (UMHOS/CM AT 25 C)	4810.0	5750.0	6650.0	5800.0
SC (UMHOS/CM AT 25 C) (FLD)	5440.0	6680.0	6210.0	3610.0
TDS (MEASURED AT 180 C)	4400.0	6380.0	5330.0	5160.0
WATER TEMPERATURE (FLD)	10.5	9.8	10.2	7.2
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	144.0	228.0	206.0	168.0
CALCIUM (CA) TRC	142.0			
MAGNESIUM (MG) DIS	266.0	432.0	340.0	313.0
MAGNESIUM (MG) TRC	258.0			
SODIUM (NA) DIS	842.0	1040.0	1070.0	859.0
SODIUM (NA) TRC	800.0			
POTASSIUM (K) DIS	23.0	31.0	30.0	26.0
POTASSIUM (K) TRC	22.0			
TOTAL ALKALINITY AS CACO3	750.0	750.0	770.0	760.0
BICARBONATE (HCO3)	920.0	910.0	940.0	930.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	2400.0	3900.0	3400.0	2900.0
CHLORIDE (CL)	17.0	27.0	28.0	22.0
FLUORIDE (F)	0.6	0.6	0.7	0.6
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	0.01	2.39	0.72	0.11
PHOSPHORUS (P) TOT	0.029			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.019	0.024	0.021	0.018
BARIUM (BA) TRC	0.037			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.36	0.4	0.43	0.42
BORON (B) TRC	0.37			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	0.002	0.002	0.002
COPPER (CU) TRC	0.004			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.86			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A6	A6	A6	A6
SAMPLE DATE	06/22/2011	10/21/2011	01/10/2012	04/25/2012
SAMPLE TIME	11:45	09:20	13:20	10:27
LAB	EL	EL	EL	EL
LAB NUMBER	1060450011	1100352005	2010179002	2040471020
SAMPLE NUMBER	OTRCR1106-011	OTRCR1110-404	OTRCR1201-201	OCC-1204-519
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0006			
MANGANESE (MN) DIS	1.12	1.26	1.2	1.11
MANGANESE (MN) TRC	1.16			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	0.009	0.008	0.009	0.009
MOLYBDENUM (MO) TRC	0.009			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A7	A7	A7	A7
SAMPLE DATE	08/24/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	14:35	08:50	11:58	16:41
LAB	EL	EL	EL	EL
LAB NUMBER	1080526005	1100352004	2010179007	2040471024
SAMPLE NUMBER	OTRCR1108-854	OTRCR1110-403	OTRCR1201-206	OCC-1204-523
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	9.11	9.5	8.37	8.61
PH (FLD)	7.78	7.5	7.55	7.6
PH	8.2	7.7	7.5	7.6
SODIUM ADSORPTION RATIO	6.51	6.51	7.22	6.43
SC (UMHOS/CM AT 25 C)	3280.0	3200.0	3920.0	3800.0
SC (UMHOS/CM AT 25 C) (FLD)	3800.0	3570.0	3730.0	3550.0
TDS (MEASURED AT 180 C)	2880.0	2980.0	2900.0	3060.0
WATER TEMPERATURE (FLD)	10.2	9.0	8.5	12.3
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	129.0	125.0	136.0	129.0
CALCIUM (CA) TRC	129.0			
MAGNESIUM (MG) DIS	209.0	200.0	193.0	205.0
MAGNESIUM (MG) TRC	198.0			
SODIUM (NA) DIS	514.0	504.0	558.0	505.0
SODIUM (NA) TRC	524.0			
POTASSIUM (K) DIS	20.0	19.0	20.0	19.0
POTASSIUM (K) TRC	20.0			
TOTAL ALKALINITY AS CACO3	610.0	610.0	620.0	630.0
BICARBONATE (HCO3)	750.0	740.0	740.0	770.0
CARBONATE AS CO3	<4.0	<4.0	13.0	<1.0
SULFATE (SO4)	1600.0	1700.0	1600.0	1600.0
CHLORIDE (CL)	14.0	13.0	16.0	16.0
FLUORIDE (F)	0.9	0.9	0.9	0.8
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.61			
NITRATE + NITRITE AS N	<0.01	0.01	<0.01	<0.01
		UJ1		
PHOSPHORUS (P) TOT	0.023			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.019	0.017	0.017	0.018
BARIUM (BA) TRC	0.019			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.39	0.37	0.39	0.41
BORON (B) TRC	0.38			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	5.48	5.15	5.31	4.48
IRON (FE) TRC	5.28			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A7	A7	A7	A7
SAMPLE DATE	08/24/2011	10/21/2011	01/11/2012	04/25/2012
SAMPLE TIME	14:35	08:50	11:58	16:41
LAB	EL	EL	EL	EL
LAB NUMBER	1080526005	1100352004	2010179007	2040471024
SAMPLE NUMBER	OTRCR1108-854	OTRCR1110-403	OTRCR1201-206	OCC-1204-523
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.538	0.514	0.518	0.556
MANGANESE (MN) TRC	0.52			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.005	0.005	0.005	0.005
MOLYBDENUM (MO) TRC	0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2	AVF1-2	AVF1-2	AVF1-2
SAMPLE DATE	06/23/2011	10/21/2011	01/26/2012	04/23/2012
SAMPLE TIME	15:00	11:45	14:12	11:35
LAB	EL	EL	EL	EL
LAB NUMBER	1060450019	1100352007	2010303011	2040471001
SAMPLE NUMBER	OTRCR1106-019	OTRCR1110-406	OTRCR1201-151	OCC-1204-500
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	7.36	8.99	8.82	8.59
PH (FLD)	7.67	7.5	7.63	7.34
PH	8.4	7.9	7.7	7.8
SODIUM ADSORPTION RATIO	5.23	5.22	5.13	5.15
SC (UMHOS/CM AT 25 C)	1600.0	1530.0	1790.0	1740.0
SC (UMHOS/CM AT 25 C) (FLD)	1799.0	1630.0	1731.0	1490.0
TDS (MEASURED AT 180 C)	1150.0	1120.0	1170.0	1170.0
WATER TEMPERATURE (FLD)	11.3	9.8	9.8	15.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	51.0	55.0	54.0	56.0
CALCIUM (CA) TRC	52.0			
MAGNESIUM (MG) DIS	65.0	66.0	65.0	67.0
MAGNESIUM (MG) TRC	65.0			
SODIUM (NA) DIS	240.0	242.0	236.0	241.0
SODIUM (NA) TRC	239.0			
POTASSIUM (K) DIS	14.0	16.0	16.0	16.0
POTASSIUM (K) TRC	15.0			
TOTAL ALKALINITY AS CACO3	500.0	520.0	450.0	520.0
BICARBONATE (HCO3)	610.0	630.0	540.0	620.0
CARBONATE AS CO3	<4.0	<4.0	6.0	4.0
SULFATE (SO4)	390.0	430.0	410.0	470.0
CHLORIDE (CL)	7.0	7.0	8.0	8.0
FLUORIDE (F)	1.5	1.4	1.5	1.4
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.13			
NITRATE + NITRITE AS N	<0.01	0.02	<0.01	<0.01
		UJ1		
PHOSPHORUS (P) TOT	0.029			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.024	0.021	0.022	0.021
BARIUM (BA) TRC	0.024			
BERYLLIUM (BE) DIS	NR	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR			
BORON (B) DIS	0.54	0.57	0.6	0.6
BORON (B) TRC	0.53			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	0.004
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	1.58	1.74	1.65	1.32
IRON (FE) TRC	1.96			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2	AVF1-2	AVF1-2	AVF1-2
SAMPLE DATE	06/23/2011	10/21/2011	01/26/2012	04/23/2012
SAMPLE TIME	15:00	11:45	14:12	11:35
LAB	EL	EL	EL	EL
LAB NUMBER	1060450019	1100352007	2010303011	2040471001
SAMPLE NUMBER	OTRCR1106-019	OTRCR1110-406	OTRCR1201-151	OCC-1204-500
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.188	0.188	0.191	0.189
MANGANESE (MN) TRC	0.187			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	0.01	0.009	0.01	0.01
MOLYBDENUM (MO) TRC	0.01			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2	AVF2-2	AVF2-2
SAMPLE DATE	06/23/2011	01/10/2012	04/26/2012
SAMPLE TIME	13:50	17:05	11:15
LAB	EL	EL	EL
LAB NUMBER	1060450018	2010179004	2040471032
SAMPLE NUMBER	OTRCR1106-018	OTRCR1201-203	OCC-1204-531
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	3.54	4.89	4.97
PH (FLD)	7.6	7.46	NO MEAS
PH	8.2	7.6	7.5
SODIUM ADSORPTION RATIO	6.04	5.83	5.92
SC (UMHOS/CM AT 25 C)	3120.0	3330.0	3300.0
SC (UMHOS/CM AT 25 C) (FLD)	3550.0	3110.0	3180.0
TDS (MEASURED AT 180 C)	2750.0	2410.0	2540.0
WATER TEMPERATURE (FLD)	10.0	9.1	10.7
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	105.0	109.0	100.0
CALCIUM (CA) TRC	103.0		
MAGNESIUM (MG) DIS	185.0	162.0	166.0
MAGNESIUM (MG) TRC	184.0		
SODIUM (NA) DIS	445.0	410.0	416.0
SODIUM (NA) TRC	443.0		
POTASSIUM (K) DIS	20.0	21.0	20.0
POTASSIUM (K) TRC	19.0		
TOTAL ALKALINITY AS CACO3	500.0	490.0	490.0
BICARBONATE (HCO3)	610.0	580.0	600.0
CARBONATE AS CO3	<4.0	9.0	<1.0
SULFATE (SO4)	1500.0	1400.0	1400.0
CHLORIDE (CL)	8.0	9.0	9.0
FLUORIDE (F)	0.8	0.8	0.7
HYDROXIDE (OH)		<1.0	<4.0
-- NUTRIENTS --			
TOTAL AMMONIA (NH3+NH4 AS N)	0.16		
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.023		
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1		
ARSENIC (AS) DIS	0.003	0.004	0.003
ARSENIC (AS) TRC	0.004		
BARIUM (BA) DIS	0.027	0.02	0.02
BARIUM (BA) TRC	0.028		
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001		
BORON (B) DIS	0.47	0.53	0.5
BORON (B) TRC	0.45		
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008		
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001		
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001		
IRON (FE) DIS	4.33	4.19	4.25
IRON (FE) TRC	5.44		
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005		
MANGANESE (MN) DIS	0.879	0.729	0.782

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2	AVF2-2	AVF2-2
SAMPLE DATE	06/23/2011	01/10/2012	04/26/2012
SAMPLE TIME	13:50	17:05	11:15
LAB	EL	EL	EL
LAB NUMBER	1060450018	2010179004	1040471032
SAMPLE NUMBER	OTRCR1106-018	OTRCR1201-203	OCC-1204-531
-- METALS & MINOR CONSTITUENTS --			
MANGANESE (MN) TRC	0.878		
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001		
MOLYBDENUM (MO) DIS	0.879	0.008	0.008
MOLYBDENUM (MO) TRC	0.878		
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01		
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001		
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1		
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2	AVF3-2	AVF3-2	AVF3-2
SAMPLE DATE	06/22/2011	10/20/2011	01/10/2012	04/25/2012
SAMPLE TIME	12:30	16:20	12:15	09:57
LAB	EL	EL	EL	EL
LAB NUMBER	1060450012	1100352001	2010179001	2040471019
SAMPLE NUMBER	OTRCR1106-012	OTRCR1110-400	OTRCR1201-200	OCC-1204-518
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	7.71	10.06	9.89	9.37
PH (FLD)	7.57	7.4	7.26	7.44
PH	8.5	7.5	7.4	7.7
SODIUM ADSORPTION RATIO	6.59	6.31	6.83	6.2
SC (UMHOS/CM AT 25 C)	4370.0	4110.0	5000.0	4900.0
SC (UMHOS/CM AT 25 C) (FLD)	5000.0	4620.0	4930.0	4500.0
TDS (MEASURED AT 180 C)	4220.0	4140.0	3960.0	4220.0
WATER TEMPERATURE (FLD)	11.1	10.1	9.9	13.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	177.0	193.0	206.0	195.0
CALCIUM (CA) TRC	171.0			
MAGNESIUM (MG) DIS	303.0	308.0	296.0	316.0
MAGNESIUM (MG) TRC	300.0			
SODIUM (NA) DIS	623.0	608.0	654.0	602.0
SODIUM (NA) TRC	608.0			
POTASSIUM (K) DIS	23.0	24.0	24.0	24.0
POTASSIUM (K) TRC	22.0			
TOTAL ALKALINITY AS CACO3	700.0	700.0	710.0	710.0
BICARBONATE (HCO3)	850.0	850.0	860.0	870.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	2200.0	2300.0	2300.0	2300.0
CHLORIDE (CL)	21.0	20.0	25.0	22.0
FLUORIDE (F)	0.6	0.6	0.6	0.6
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.18			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.028			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.023	0.021	0.021	0.021
BARIUM (BA) TRC	0.025			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.35	0.34	0.35	0.37
BORON (B) TRC	0.34			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	1.99	1.72	1.84	1.75
IRON (FE) TRC	2.24			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2	AVF3-2	AVF3-2	AVF3-2
SAMPLE DATE	06/22/2011	10/20/2011	01/10/2012	04/25/2012
SAMPLE TIME	12:30	16:20	12:15	09:57
LAB	EL	EL	EL	EL
LAB NUMBER	1060450012	1100352001	2010179001	2040471019
SAMPLE NUMBER	OTRCR1106-012	OTRCR1110-400	OTRCR1201-200	OCC-1204-518
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	1.64	1.64	1.63	1.66
MANGANESE (MN) TRC	1.61			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-1
SAMPLE DATE	08/25/2011
SAMPLE TIME	06:30
LAB	EL
LAB NUMBER	1080526003
SAMPLE NUMBER	OTRCR1108-852

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.75
PH (FLD)	7.6
PH	8.0
SODIUM ADSORPTION RATIO	7.12
SC (UMHOS/CM AT 25 C)	4920.0
SC (UMHOS/CM AT 25 C) (FLD)	5920.0
TDS (MEASURED AT 180 C)	4880.0
WATER TEMPERATURE (FLD)	9.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	209.0
CALCIUM (CA) TRC	221.0
MAGNESIUM (MG) DIS	388.0
MAGNESIUM (MG) TRC	397.0
SODIUM (NA) DIS	753.0
SODIUM (NA) TRC	754.0
POTASSIUM (K) DIS	27.0
POTASSIUM (K) TRC	27.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	0.8
-- NUTRIENTS --	
TOTAL AMMONIA (NH3+NH4 AS N)	0.69
NITRATE + NITRITE AS N	<0.01
PHOSPHORUS (P) TOT	0.024
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
	J4D
ARSENIC (AS) DIS	0.004
ARSENIC (AS) TRC	0.004
BARIUM (BA) DIS	0.025
BARIUM (BA) TRC	0.031
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.46
BORON (B) TRC	0.44
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	7.12
IRON (FE) TRC	8.02
	J4D

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-1
SAMPLE DATE	08/25/2011
SAMPLE TIME	06:30
LAB	EL
LAB NUMBER	1080526003
SAMPLE NUMBER	OTRCR1108-852

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	2.31
MANGANESE (MN) TRC	2.27
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.008
MOLYBDENUM (MO) TRC	0.008
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1	AVF5-1	AVF5-1	AVF5-1
SAMPLE DATE	06/23/2011	10/21/2011	01/26/2012	04/23/2012
SAMPLE TIME	11:35	11:00	12:01	12:18
LAB	EL	EL	EL	EL
LAB NUMBER	1060450017	1100352006	2010303009	2040471002
SAMPLE NUMBER	OTRCR1106-017	OTRCR1110-40S	OTRCR1201-149	OCC-1204-501
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	14.17	14.6	14.22	13.44
PH (FLD)	7.46	7.6	7.63	7.38
PH	8.3	8.0	7.5	7.7
SODIUM ADSORPTION RATIO	3.1	3.02	2.94	2.93
SC (UMHOS/CM AT 25 C)	1400.0	1300.0	1560.0	1530.0
SC (UMHOS/CM AT 25 C) (FLD)	1595.0	1390.0	1508.0	1540.0
TDS (MEASURED AT 180 C)	1020.0	986.0	1010.0	1030.0
WATER TEMPERATURE (FLD)	10.9	8.8	8.8	12.4
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	66.0	72.0	72.0	75.0
CALCIUM (CA) TRC	84.0			
MAGNESIUM (MG) DIS	77.0	75.0	74.0	78.0
MAGNESIUM (MG) TRC	82.0			
SODIUM (NA) DIS	156.0	154.0	149.0	152.0
SODIUM (NA) TRC	152.0			
POTASSIUM (K) DIS	12.0	13.0	13.0	13.0
POTASSIUM (K) TRC	12.0			
TOTAL ALKALINITY AS CACO3	430.0	430.0	430.0	440.0
BICARBONATE (HCO3)	530.0	520.0	530.0	540.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	410.0	430.0	380.0	440.0
CHLORIDE (CL)	6.0	6.0	7.0	7.0
FLUORIDE (F)	1.5	2.0	1.5	1.5
HYDROXIDE (OH)			<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	0.57	0.66	0.64	0.66
PHOSPHORUS (P) TOT	0.053			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	2.0			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.025	0.024	0.022	0.022
BARIUM (BA) TRC	0.062			
BERYLLIUM (BE) DIS	NR	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR			
BORON (B) DIS	0.57	0.61	0.63	0.61
BORON (B) TRC	0.6			
CADMIUM (CD) DIS	<0.00008	<0.00008	0.00094	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	0.001
CHROMIUM (CR) TRC	0.004			
COPPER (CU) DIS	0.001	<0.001	<0.001	0.002
COPPER (CU) TRC	0.008			
IRON (FE) DIS	0.06	0.12	<0.05	0.05
IRON (FE) TRC	3.81			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0029			
MANGANESE (MN) DIS	0.061	0.053	0.057	0.054

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1	AVF5-1	AVF5-1	AVF5-1
SAMPLE DATE	06/23/2011	10/21/2011	01/26/2012	04/23/2012
SAMPLE TIME	11:35	11:00	12:01	12:18
LAB	EL	EL	EL	EL
LAB NUMBER	1060450017	1100352006	2010303009	2040471002
SAMPLE NUMBER	OTRCR1106-017	OTRCR1110-405	OTRCR1201-149	OCC-1204-501
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.107			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	0.008	0.007	0.007	0.007
MOLYBDENUM (MO) TRC	0.008			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	0.001	0.003	<0.001
SELENIUM (SE) TRC	0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.02			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3	AVF6-3	AVF6-3	AVF6-3
SAMPLE DATE	08/24/2011	10/18/2011	01/10/2012	05/02/2012
SAMPLE TIME	17:45	16:20	15:49	15:34
LAB	EL	EL	EL	EL
LAB NUMBER	1080526002	1100344003	2010179003	2050095014
SAMPLE NUMBER	OTRCR1108-851	OTRCR1110-702	OTRCR1201-202	OCC-1205-553
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	12.77	12.77	12.75	12.53
PH (FLD)	7.63	7.73	7.46	7.56
PH	8.2	8.0	7.6	7.5
SODIUM ADSORPTION RATIO	6.14	6.45	6.32	6.53
SC (UMHOS/CM AT 25 C)	2630.0	2500.0	3020.0	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	3850.0	2950.0	2850.0	2867.0
TDS (MEASURED AT 180 C)	2090.0	2150.0	2040.0	2220.0
WATER TEMPERATURE (FLD)	11.1	10.5	10.3	12.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	99.0	98.0	104.0	101.0
CALCIUM (CA) TRC	108.0			
MAGNESIUM (MG) DIS	134.0	134.0	126.0	132.0
MAGNESIUM (MG) TRC	144.0			
SODIUM (NA) DIS	399.0	419.0	405.0	424.0
SODIUM (NA) TRC	411.0			
POTASSIUM (K) DIS	20.0	20.0	21.0	21.0
POTASSIUM (K) TRC	21.0			
TOTAL ALKALINITY AS CACO3	590.0	610.0	630.0	620.0
BICARBONATE (HCO3)	720.0	740.0	740.0	760.0
CARBONATE AS CO3	<4.0	<4.0	14.0	<1.0
SULFATE (SO4)	1000.0	1100.0	1100.0	1200.0
CHLORIDE (CL)	10.0	9.0	11.0	13.0
FLUORIDE (F)	0.8	0.7	0.8	0.7
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	0.92	0.92	0.91	0.88
PHOSPHORUS (P) TOT	0.059			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	0.005	0.006	0.007	0.006
ARSENIC (AS) TRC	0.006			
BARIUM (BA) DIS	0.022	0.019	0.019	0.02
BARIUM (BA) TRC	0.023			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.44	0.44	0.45	0.4
BORON (B) TRC	0.45			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	0.007
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.002	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.06			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.174	0.167	0.165	0.164

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3	AVF6-3	AVF6-3	AVF6-3
SAMPLE DATE	08/24/2011	10/18/2011	01/10/2012	05/02/2012
SAMPLE TIME	17:45	16:20	15:49	15:34
LAB	EL	EL	EL	EL
LAB NUMBER	1080526002	1100344003	2010179003	2050095014
SAMPLE NUMBER	OTRCR1108-851	OTRCR1110-702	DTRCR1201-202	OCC-1205-553
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.179			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	0.004	0.004	0.004	0.004
SELENIUM (SE) TRC	0.004			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-C
SAMPLE DATE	06/24/2011
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	HYD-0611-100

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-K
SAMPLE DATE	04/24/2012
SAMPLE TIME	09:37
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-558

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U	B1-U	B1-U	B1-U	B1-U
SAMPLE DATE	06/23/2011	10/25/2011	10/25/2011	01/03/2012	04/24/2012
SAMPLE TIME	12:00	14:20	14:20	15:30	09:56
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060448013	1100411005	1100411006	2010106004	2040471009
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCRK1106212	OTRCR1110-333	OTRCR1110-334	OTRCR1201-103	OCC-1204-508
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	40.54	42.28		41.76	39.12
PH (FLD)	7.9	7.28		7.73	7.68
PH	8.2	7.5	7.5	8.0	7.8
SODIUM ADSORPTION RATIO	1.83	1.77	1.77	1.76	1.76
SC (UMHOS/CM AT 25 C)	1330.0	1230.0	1230.0	1470.0	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1426.0	1409.0		1500.0	1120.0
TDS (MEASURED AT 180 C)	1010.0	942.0	924.0	916.0	1000.0
WATER TEMPERATURE (FLD)	15.4	10.5		11.2	13.1
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	59.0	66.0	66.0	65.0	65.0
CALCIUM (CA) TRC	60.0				
MAGNESIUM (MG) DIS	97.0	93.0	94.0	98.0	99.0
MAGNESIUM (MG) TRC	96.0				
SODIUM (NA) DIS	100.0	95.0	96.0	96.0	96.0
SODIUM (NA) TRC	98.0				
POTASSIUM (K) DIS	17.0	19.0	19.0	19.0	19.0
POTASSIUM (K) TRC	18.0				
TOTAL ALKALINITY AS CACO3	280.0	290.0	300.0	280.0	290.0
BICARBONATE (HCO3)	350.0	360.0	360.0	350.0	350.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<1.0	2.0
SULFATE (SO4)	510.0	500.0	500.0	510.0	520.0
CHLORIDE (CL)	6.0	7.0	7.0	6.5	7.0
FLUORIDE (F)	1.3	1.2	1.2	1.3	1.3
HYDROXIDE (OH)		<4.0	<4.0	<1.0	<4.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05				
NITRATE + NITRITE AS N	0.09	0.22	0.21	0.18	0.25
PHOSPHORUS (P) TOT	0.014				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.6				
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	0.003	<0.003
ARSENIC (AS) TRC	0.013				
BARIUM (BA) DIS	0.032	0.025	0.025	0.022	0.025
BARIUM (BA) TRC	0.05				
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001				
BORON (B) DIS	1.18	1.16	1.18	1.36	1.18
BORON (B) TRC	1.16				
CADMIUM (CD) DIS	<0.00000	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.00014				
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001				
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.002				
IRON (FE) DIS	0.13	0.12	0.12	0.17	0.15
IRON (FE) TRC	1.52				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0036				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U	B1-U	B1-U	B1-U	B1-U
SAMPLE DATE	06/23/2011	10/25/2011	10/25/2011	01/03/2012	04/24/2012
SAMPLE TIME	12:00	14:20	14:20	15:30	09:56
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060448013	1100411005	1100411006	2010106004	2040471009
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCRK1106212	OTRCR1110-333	OTRCR1110-334	OTRCR1201-103	OCC-1204-508
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN) DIS	0.037	0.031	0.03	0.031	0.023
MANGANESE (MN) TRC	0.404				
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005				
MOLYBDENUM (MO) DIS	0.018	0.018	0.018	0.019	0.018
MOLYBDENUM (MO) TRC	0.018				
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01				
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001				
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1				
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K	B2-K	B2-K	B2-K
SAMPLE DATE	06/29/2011	10/26/2011	01/11/2012	05/02/2012
SAMPLE TIME	14:50	13:17	09:21	08:00
LAB	EL	EL	EL	EL
LAB NUMBER	1070022001	1100411009	2011023005	2050095008
SAMPLE NUMBER	OTRCR1106-300	OTRCR1110-337	OTRCR1201-124	OCC-1205-547
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	234.51	234.88	234.79	234.32
PH (FLD)	7.0	7.45	7.58	7.93
PH	8.2	8.5	8.1	7.9
SODIUM ADSORPTION RATIO	54.5	53.6	58.6	52.1
SC (UMHOS/CM AT 25 C)	4340.0	4110.0	4710.0	4750.0
SC (UMHOS/CM AT 25 C) (FLD)	4960.0	4842.0	4646.0	4573.0
TDS (MEASURED AT 180 C)	3310.0	3210.0	3310.0	3380.0
WATER TEMPERATURE (FLD)	18.9	15.1	12.3	14.5
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	21.0	23.0	21.0	22.0
CALCIUM (CA) TRC	22.0			
MAGNESIUM (MG) DIS	9.0	8.0	8.0	9.0
MAGNESIUM (MG) TRC	9.0			
SODIUM (NA) DIS	1180.0	1180.0	1250.0	1130.0
SODIUM (NA) TRC	1190.0			
POTASSIUM (K) DIS	5.0	5.0	6.0	5.0
POTASSIUM (K) TRC	5.0			
TOTAL ALKALINITY AS CACO3	1200.0	1200.0	1210.0	1200.0
BICARBONATE (HCO3)	1500.0	1400.0	1440.0	1400.0
CARBONATE AS CO3	<4.0	31.0	20.0	27.0
SULFATE (SO4)	1200.0	1300.0	1460.0	1400.0
CHLORIDE (CL)	14.0	15.0	12.0	14.0
FLUORIDE (F)	1.0	0.9	1.1	1.0
HYDROXIDE (OH)	<4.0	<4.0	<4.0	<4.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.023	0.017	0.019	0.02
BARIUM (BA) TRC	0.023			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.16	0.18	0.16
BORON (B) TRC	0.16			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.19	0.17	0.25	0.22
IRON (FE) TRC	0.19			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.082	0.051	0.065	0.057
MANGANESE (MN) TRC	0.082			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K	B2-K	B2-K	B2-K
SAMPLE DATE	06/29/2011	10/26/2011	01/11/2012	05/02/2012
SAMPLE TIME	14:50	13:17	09:21	08:00
LAB	EL	EL	EL	EL
LAB NUMBER	1070022001	1100411009	2011023005	2050095006
SAMPLE NUMBER	OTRCR1106-300	OTRCR1110-337	OTRCR1201-124	OCC-1205-547
-- METALS & MINOR CONSTITUENTS --				
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	0.002	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-O
SAMPLE DATE	05/02/2012
SAMPLE TIME	07:22
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-559

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U	B2-U	B2-U	B2-U
SAMPLE DATE	06/29/2011	10/26/2011	01/11/2012	05/02/2012
SAMPLE TIME	16:25	13:17	09:42	09:23
LAB	EL	EL	EL	EL
LAB NUMBER	1070022002	1100411010	2011023006	2050095009
SAMPLE NUMBER	OTRCR1106-301	OTRCR1110-338	OTRCR1201-125	OCC-1205-548
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	281.52	281.94	281.88	281.57
PH (FLD)	7.8	8.31	8.57	8.68
PH	8.6	8.7	8.4	8.2
SODIUM ADSORPTION RATIO	43.9	44.8	48.6	45.1
SC (UMHOS/CM AT 25 C)	1120.0	1080.0	1200.0	1190.0
SC (UMHOS/CM AT 25 C) (FLD)	1205.0	1227.0	1139.0	1154.0
TDS (MEASURED AT 180 C)	636.0	723.0	695.0	725.0
WATER TEMPERATURE (FLD)	18.3	15.4	11.3	15.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	2.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0			
SODIUM (NA) DIS	286.0	295.0	311.0	285.0
SODIUM (NA) TRC	295.0			
POTASSIUM (K) DIS	1.0	1.0	2.0	1.0
POTASSIUM (K) TRC	1.0			
TOTAL ALKALINITY AS CACO3	620.0	640.0	618.0	640.0
BICARBONATE (HCO3)	700.0	720.0	695.0	710.0
CARBONATE AS CO3	28.0	32.0	29.0	35.0
SULFATE (SO4)	<2.0	<2.0	<1.0	<1.0
CHLORIDE (CL)	33.0	33.0	34.0	33.0
FLUORIDE (F)	2.0	2.0	2.2	2.0
HYDROXIDE (OH)	<4.0	<4.0	<4.0	
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	0.009	0.011	0.01	0.008
ARSENIC (AS) TRC	0.01			
BARIUM (BA) DIS	0.045	0.055	0.057	0.059
BARIUM (BA) TRC	0.051			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.14	0.14	0.12	0.13
BORON (B) TRC	0.14			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.08	0.06	0.09	0.06
IRON (FE) TRC	0.34			
LEAD (PB) DIS	<0.0005	<0.0005	0.0013	<0.0005
LEAD (PB) TRC	0.0009			
MANGANESE (MN) DIS	0.020	0.044	0.042	0.042
MANGANESE (MN) TRC	0.031			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U	B2-U	B2-U	B2-U
SAMPLE DATE	06/29/2011	10/26/2011	01/11/2012	05/02/2012
SAMPLE TIME	16:25	13:17	09:42	09:23
LAB	EL	EL	EL	EL
LAB NUMBER	1070022002	1100411010	2011023006	2050095009
SAMPLE NUMBER	OTRCR1106-301	OTRCR1110-338	OTRCR1201-125	OCC-1205-548
-- METALS & MINOR CONSTITUENTS --				
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K	B3-K	B3-K	B3-K
SAMPLE DATE	08/24/2011	10/25/2011	01/04/2012	04/23/2012
SAMPLE TIME	12:15	11:00	09:22	13:12
LAB	EL	EL	EL	EL
LAB NUMBER	1080476011	1100411002	2010106007	2040471003
SAMPLE NUMBER	OTRCR1108-810	OTRCR1110-330	OTRCR1201-106	OCC-1204-502
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	194.34	194.36	194.38	194.31
PH (FLD)	6.92	6.32	6.99	7.11
PH	7.8	7.8	7.4	7.2
SODIUM ADSORPTION RATIO	22.0	22.9	23.2	23.7
SC (UMHOS/CM AT 25 C)	5500.0	5690.0	6820.0	6760.0
SC (UMHOS/CM AT 25 C) (FLD)	6590.0	6760.0	7050.0	6650.0
TDS (MEASURED AT 180 C)	5270.0	5220.0	5080.0	5500.0
WATER TEMPERATURE (FLD)	18.1	14.0	14.1	17.8
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	163.0	186.0	158.0	152.0
CALCIUM (CA) TRC	174.0			
MAGNESIUM (MG) DIS	72.0	70.0	71.0	70.0
MAGNESIUM (MG) TRC	76.0			
SODIUM (NA) DIS	1350.0	1450.0	1400.0	1410.0
SODIUM (NA) TRC	1450.0			
POTASSIUM (K) DIS	10.0	11.0	10.0	10.0
POTASSIUM (K) TRC	10.0			
TOTAL ALKALINITY AS CACO3	830.0	890.0	870.0	890.0
BICARBONATE (HCO3)	1000.0	1100.0	1100.0	1100.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	2800.0	2800.0	3000.0	2800.0
CHLORIDE (CL)	39.0	49.0	42.0	41.0
FLUORIDE (F)	0.2	0.2	0.2	0.2
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	14.0			
NITRATE + NITRITE AS N	0.02	0.02	0.04	<0.01
PHOSPHORUS (P) TOT	0.362			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.4	<0.1	0.2	0.2
ALUMINUM (AL) TRC	3.7			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.003			
BARIUM (BA) DIS	0.026	0.023	0.017	0.017
BARIUM (BA) TRC	0.235			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.67	0.63	0.67	0.64
BORON (B) TRC	0.72			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.00011			
CHROMIUM (CR) DIS	0.001	<0.001	0.004	0.008
CHROMIUM (CR) TRC	0.005			
COPPER (CU) DIS	0.003	0.007	0.003	0.008
COPPER (CU) TRC	0.018			
IRON (FE) DIS	1.02	0.9	1.23	1.12
IRON (FE) TRC	6.49			
LEAD (PB) DIS	0.0013	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0071			
MANGANESE (MN) DIS	0.193	0.193	0.148	0.131

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K	B3-K	B3-K	B3-K
SAMPLE DATE	08/24/2011	10/25/2011	01/04/2012	04/23/2012
SAMPLE TIME	12:15	11:00	09:22	13:12
LAB	EL	EL	EL	EL
LAB NUMBER	1080476011	1100411002	2010106007	2040471003
SAMPLE NUMBER	OTRCR1108-810	OTRCR1110-330	OTRCR1201-106	OCC-1204-502
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.236			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	0.01	0.02	0.01	0.01
ZINC (ZN) TRC	0.03			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U	B3-U	B3-U	B3-U
SAMPLE DATE	08/24/2011	10/25/2011	01/04/2012	04/23/2012
SAMPLE TIME	11:31	12:40	11:05	15:05
LAB	EL	EL	EL	EL
LAB NUMBER	1080476010	1100411003	2010106008	2040471004
SAMPLE NUMBER	OTRCR1108-809	OTRCR1110-331	OTRCR1201-107	OCC-1204-503
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	196.59	196.65	196.61	196.25
PH (FLD)	8.59	8.49	8.69	8.43
PH	8.7	7.7	8.6	8.3
SODIUM ADSORPTION RATIO	38.2	41.1	40.2	40.4
SC (UMHOS/CM AT 25 C)	1100.0	1080.0	1200.0	1180.0
SC (UMHOS/CM AT 25 C) (FLD)	1222.0	1199.0	1240.0	1151.0
TDS (MEASURED AT 180 C)	718.0	680.0	688.0	730.0
WATER TEMPERATURE (FLD)	19.2	15.1	14.5	17.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	3.0	3.0	3.0	3.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	291.0	299.0	282.0	288.0
SODIUM (NA) TRC	298.0			
POTASSIUM (K) DIS	1.0	1.0	1.0	1.0
POTASSIUM (K) TRC	1.0			
TOTAL ALKALINITY AS CACO3	640.0	700.0	660.0	670.0
BICARBONATE (HCO3)	720.0	860.0	740.0	740.0
CARBONATE AS CO3	31.0	<4.0	30.0	36.0
SULFATE (SO4)	21.0	6.0	3.0	2.0
CHLORIDE (CL)	13.0	14.0	14.0	14.0
FLUORIDE (F)	2.0	2.0	2.0	1.9
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.51			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.117			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.2	0.1	0.1	<0.1
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.057	0.054	0.06	0.058
BARIUM (BA) TRC	0.069			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.15	0.16	0.15
BORON (B) TRC	0.17			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.009			
IRON (FE) DIS	0.27	0.09	0.08	0.05
IRON (FE) TRC	0.59			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.001			
MANGANESE (MN) DIS	0.042	0.03	0.023	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U	B3-U	B3-U	B3-U
SAMPLE DATE	08/24/2011	10/25/2011	01/04/2012	04/23/2012
SAMPLE TIME	11:31	12:40	11:05	15:05
LAB	EL	EL	EL	EL
LAB NUMBER	1080476010	1100411003	2010106008	2040471004
SAMPLE NUMBER	OTRCR1108-809	OTRCR1110-331	OTRCR1201-107	OCC-1204-503
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.043			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K	B4-K	B4-K	B4-K
SAMPLE DATE	08/24/2011	10/20/2011	01/03/2012	04/23/2012
SAMPLE TIME	15:40	16:30	14:22	17:51
LAB	EL	EL	EL	EL
LAB NUMBER	1080476012	1100335026	2010106003	2040471006
SAMPLE NUMBER	OTRCR1108-811	OTRCR1110-325	OTRCR1201-102	OCC-1204-505
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	150.51	150.56	150.37	150.24
PH (FLD)	7.86	7.05	7.53	7.68
PH	8.3	8.0	7.9	7.8
SODIUM ADSORPTION RATIO	20.2	25.8	26.3	26.9
SC (UMHOS/CM AT 25 C)	4220.0	4720.0	5430.0	5300.0
SC (UMHOS/CM AT 25 C) (FLD)	497.3	5490.0	5520.0	5110.0
TDS (MEASURED AT 180 C)	3590.0	3890.0	3690.0	4010.0
WATER TEMPERATURE (FLD)	19.1	14.9	13.4	15.8
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	80.0	78.0	73.0	72.0
CALCIUM (CA) TRC	83.0			
MAGNESIUM (MG) DIS	69.0	46.0	40.0	39.0
MAGNESIUM (MG) TRC	71.0			
SODIUM (NA) DIS	1020.0	1160.0	1120.0	1140.0
SODIUM (NA) TRC	1060.0			
POTASSIUM (K) DIS	7.0	8.0	8.0	8.0
POTASSIUM (K) TRC	8.0			
TOTAL ALKALINITY AS CACO3	720.0	770.0	770.0	780.0
BICARBONATE (HCO3)	880.0	890.0	940.0	950.0
CARBONATE AS CO3	<4.0	21.0	<1.0	<1.0
SULFATE (SO4)	2000.0	2000.0	2200.0	2000.0
CHLORIDE (CL)	13.0	11.0	16.0	14.0
FLUORIDE (F)	0.4	0.4	0.4	0.4
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	1.98			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.006			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.016	0.014	0.012	0.011
BARIUM (BA) TRC	0.018			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.18	0.18	0.21	0.2
BORON (B) TRC	0.18			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.002			
IRON (FE) DIS	0.06	0.15	0.36	0.48
IRON (FE) TRC	0.15			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.099	0.128	0.114	0.082

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K	B4-K	B4-K	B4-K
SAMPLE DATE	08/24/2011	10/20/2011	01/03/2012	04/23/2012
SAMPLE TIME	15:40	16:30	14:22	17:51
LAB	EL	EL	EL	EL
LAB NUMBER	1080476012	1100335026	2010106003	2040471006
SAMPLE NUMBER	DTRCR1108-811	OTRCR1110-325	OTRCR1201-102	OCC-1204-505
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.1			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O	B4-O	B4-O	B4-O
SAMPLE DATE	08/24/2011	10/26/2011	01/04/2012	04/23/2012
SAMPLE TIME	16:13	09:50	07:50	16:50
LAB	EL	EL	EL	EL
LAB NUMBER	1080476013	1100411008	2010106006	2040471005
SAMPLE NUMBER	OTRCR1108-812	OTRCR1110-336	OTRCR1201-105	OCC-1204-504
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	121.24	121.05	121.13	120.91
PH (FLD)	7.09	7.1	7.11	7.08
PH	8.0	7.8	7.1	6.9
SODIUM ADSORPTION RATIO	3.9	3.92	3.83	3.88
SC (UMHOS/CM AT 25 C)	3560.0	3760.0	4440.0	4430.0
SC (UMHOS/CM AT 25 C) (FLD)	4363.0	4416.0	4540.0	4210.0
TDS (MEASURED AT 180 C)	3500.0	3700.0	3620.0	3710.0
WATER TEMPERATURE (FLD)	21.1	8.5	10.4	13.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	166.0	162.0	150.0	151.0
CALCIUM (CA) TRC	207.0			
MAGNESIUM (MG) DIS	407.0	387.0	416.0	428.0
MAGNESIUM (MG) TRC	409.0			
SODIUM (NA) DIS	409.0	403.0	402.0	412.0
SODIUM (NA) TRC	407.0			
POTASSIUM (K) DIS	13.0	11.0	10.0	10.0
POTASSIUM (K) TRC	16.0			
TOTAL ALKALINITY AS CACO3	1000.0	1100.0	1100.0	1100.0
BICARBONATE (HCO3)	1300.0	1400.0	1400.0	1300.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	1700.0	1700.0	1700.0	1800.0
CHLORIDE (CL)	18.0	19.0	17.0	17.0
FLUORIDE (F)	0.4	0.2	0.2	0.2
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.88			
NITRATE + NITRITE AS N	0.01	0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.448			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	13.9			
ARSENIC (AS) DIS	0.005	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.014			
BARIUM (BA) DIS	0.088	0.03	0.024	0.023
BARIUM (BA) TRC	0.256			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.17	0.17	0.15
BORON (B) TRC	0.18			
CADMIUM (CD) DIS	<0.00000	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.0007			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.037			
COPPER (CU) DIS	<0.001	0.001	<0.001	<0.001
COPPER (CU) TRC	0.111			
IRON (FE) DIS	<0.05	<0.05	<0.05	1.14
IRON (FE) TRC	30.2			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0255			
MANGANESE (MN) DIS	0.819	0.424	0.19	0.195

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O	B4-O	B4-O	B4-O
SAMPLE DATE	08/24/2011	10/26/2011	01/04/2012	04/23/2012
SAMPLE TIME	16:13	09:50	07:50	16:50
LAB	EL	EL	EL	EL
LAB NUMBER	1080476013	1100411008	2010106006	2040471005
SAMPLE NUMBER	DTRCR1108-812	OTRCR1110-336	OTRCR1201-105	OCC-1204-504
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	1.4			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00008			
MOLYBDENUM (MO) DIS	0.006	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.006			
NICKEL (NI) DIS	0.02	0.02	0.01	<0.01
NICKEL (NI) TRC	0.04			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	0.01	<0.01	0.02	<0.01
ZINC (ZN) TRC	0.16			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U	B4-U	B4-U	B4-U
SAMPLE DATE	08/25/2011	10/26/2011	01/05/2012	04/24/2012
SAMPLE TIME	15:15	11:10	11:45	08:30
LAB	EL	EL	EL	EL
LAB NUMBER	1080476019	1100411007	2010106001	2040471007
SAMPLE NUMBER	OTRCR1108-818	OTRCR1110-335	OTRCR1201-100	OCC-1204-506
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	185.09	184.63	184.27	183.85
PH (FLD)	8.47	7.95	8.47	8.17
PH	8.6	8.1	8.4	8.2
SODIUM ADSORPTION RATIO	39.9	43.5	43.6	44.0
SC (UMHOS/CM AT 25 C)	1940.0	1980.0	2230.0	2250.0
SC (UMHOS/CM AT 25 C) (FLD)	2198.0	2239.0	2280.0	2250.0
TDS (MEASURED AT 180 C)	1390.0	1420.0	1330.0	1520.0
WATER TEMPERATURE (FLD)	18.8	13.7	14.1	17.3
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	7.0	7.0	6.0	7.0
CALCIUM (CA) TRC	8.0			
MAGNESIUM (MG) DIS	3.0	2.0	2.0	2.0
MAGNESIUM (MG) TRC	3.0			
SODIUM (NA) DIS	492.0	523.0	495.0	509.0
SODIUM (NA) TRC	509.0			
POTASSIUM (K) DIS	3.0	3.0	2.0	2.0
POTASSIUM (K) TRC	3.0			
TOTAL ALKALINITY AS CACO3	670.0	700.0	680.0	690.0
BICARBONATE (HCO3)	760.0	860.0	790.0	780.0
CARBONATE AS CO3	28.0	<4.0	22.0	32.0
SULFATE (SO4)	490.0	440.0	440.0	490.0
CHLORIDE (CL)	19.0	18.0	18.0	19.0
FLUORIDE (F)	1.2	1.1	1.2	1.1
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.79			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.077			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	0.3	0.6	0.3
ALUMINUM (AL) TRC	0.4			
	J4D			
ARSENIC (AS) DIS	0.004	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.004			
BARIUM (BA) DIS	0.023	0.023	0.02	0.015
BARIUM (BA) TRC	0.027			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.14	0.14	0.15	0.14
BORON (B) TRC	0.15			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.001	0.003	0.001	0.001
COPPER (CU) TRC	0.012			
IRON (FE) DIS	0.09	0.23	0.17	0.05
IRON (FE) TRC	0.36			
	J4D			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U	B4-U	B4-U	B4-U
SAMPLE DATE	08/25/2011	10/26/2011	01/05/2012	04/24/2012
SAMPLE TIME	15:15	11:10	11:45	08:30
LAB	EL	EL	EL	EL
LAB NUMBER	1080476019	1100411007	2010106001	2040471007
SAMPLE NUMBER	OTRCR1108-818	OTRCR1110-335	OTRCR1201-100	OCC-1204-506
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0006			
MANGANESE (MN) DIS	0.055	0.042	0.028	0.019
MANGANESE (MN) TRC	0.057			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.006	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.007			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K	B5-K	B5-K	B5-K
SAMPLE DATE	06/23/2011	10/19/2011	01/04/2012	05/01/2012
SAMPLE TIME	10:21	14:32	14:48	17:54
LAB	EL	EL	EL	EL
LAB NUMBER	1060448012	1100335020	2010106011	2050095007
SAMPLE NUMBER	OTRCRK1106211	OTRCR1110-319	OTRCR1201-110	OCC-1205-546
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	181.44	183.11	183.52	183.28
PH (FLD)	8.27	7.9	8.26	8.21
PH	8.5	8.3	8.4	7.9
SODIUM ADSORPTION RATIO	31.6	51.0	53.4	53.1
SC (UMHOS/CM AT 25 C)	1210.0	1200.0	1290.0	1310.0
SC (UMHOS/CM AT 25 C) (FLD)	1277.0	1321.0	1310.0	1250.0
TDS (MEASURED AT 180 C)	785.0	740.0	774.0	815.0
WATER TEMPERATURE (FLD)	16.3	14.6	13.9	15.5
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	3.0			
SODIUM (NA) DIS	318.0	312.0	330.0	335.0
SODIUM (NA) TRC	313.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	3.0			
TOTAL ALKALINITY AS CACO3	700.0	730.0	710.0	760.0
BICARBONATE (HCO3)	820.0	820.0	820.0	860.0
CARBONATE AS CO3	17.0	36.0	26.0	30.0
SULFATE (SO4)	<2.0	<2.0	<2.0	<1.0
CHLORIDE (CL)	19.0	15.0	14.0	12.0
FLUORIDE (F)	2.0	2.0	2.0	2.0
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.28			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.171			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.4	0.5	0.6	0.3
ALUMINUM (AL) TRC	7.8			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.074	0.074	0.072	0.079
BARIUM (BA) TRC	0.192			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.17	0.18	0.16
BORON (B) TRC	0.17			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	0.001	0.002
CHROMIUM (CR) TRC	0.007			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.008			
IRON (FE) DIS	0.16	0.15	0.19	0.1
IRON (FE) TRC	3.64			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0059			
MANGANESE (MN) DIS	0.021	0.02	0.019	0.019

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K	B5-K	B5-K	B5-K
SAMPLE DATE	06/23/2011	10/19/2011	01/04/2012	05/01/2012
SAMPLE TIME	10:21	14:32	14:48	17:54
LAB	EL	EL	EL	EL
LAB NUMBER	1060448012	1100335020	2010106011	2050095007
SAMPLE NUMBER	OTRCRK1106211	OTRCR1110-319	OTRCR1201-110	OCC-1205-546
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.051			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-0	B5-0	B5-0	B5-0
SAMPLE DATE	06/23/2011	10/19/2011	01/04/2012	05/03/2012
SAMPLE TIME	09:30	14:15	14:05	07:20
LAB	EL	EL	EL	EL
LAB NUMBER	1060448010	1100335021	2010106010	2050095018
SAMPLE NUMBER	OTRCRK1106209	OTRCR1110-320	OTRCR1201-109	OCC-1205-557
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	146.6	143.73	145.2	143.32
PH (FLD)	8.08	8.32	8.19	7.85
PH	8.3	8.4	8.1	7.6
SODIUM ADSORPTION RATIO	43.6	53.0	49.3	46.6
SC (UMHOS/CM AT 25 C)	2220.0	2100.0	2380.0	2400.0
SC (UMHOS/CM AT 25 C) (FLD)	2399.0	2300.0	2400.0	2466.0
TDS (MEASURED AT 180 C)	1790.0	1760.0	2030.0	1560.0
WATER TEMPERATURE (FLD)	14.7	12.4	11.8	10.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	6.0	4.0	5.0	7.0
CALCIUM (CA) TRC	101.0			
MAGNESIUM (MG) DIS	3.0	2.0	2.0	3.0
MAGNESIUM (MG) TRC	66.0			
SODIUM (NA) DIS	522.0	527.0	528.0	566.0
SODIUM (NA) TRC	580.0			
POTASSIUM (K) DIS	4.0	4.0	3.0	3.0
POTASSIUM (K) TRC	58.0			
TOTAL ALKALINITY AS CACO3	790.0	790.0	840.0	920.0
BICARBONATE (HCO3)	940.0	930.0	980.0	1100.0
CARBONATE AS CO3	10.0	17.0	18.0	14.0
SULFATE (SO4)	320.0	340.0	370.0	350.0
CHLORIDE (CL)	40.0	41.0	47.0	47.0
FLUORIDE (F)	4.0	4.0	4.0	4.0
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	1.76			
NITRATE + NITRITE AS N	0.13	0.03	<0.01	<0.01
PHOSPHORUS (P) TOT	0.96			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.4	0.6	0.6	<0.1
ALUMINUM (AL) TRC	144.0			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.044			
BARIUM (BA) DIS	0.04	0.032	0.032	0.033
BARIUM (BA) TRC	2.31			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.019			
BORON (B) DIS	0.17	0.16	0.19	0.16
BORON (B) TRC	0.29			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.004			
CHROMIUM (CR) DIS	0.003	<0.001	0.002	<0.001
CHROMIUM (CR) TRC	0.263			
COPPER (CU) DIS	0.001	0.001	<0.001	<0.001
COPPER (CU) TRC	0.37			
IRON (FE) DIS	0.24	0.25	0.21	0.28
IRON (FE) TRC	206.0			
LEAD (PB) DIS	0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.18			
MANGANESE (MN) DIS	0.211	0.098	0.178	0.221

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-0	B5-0	B5-0	B5-0
SAMPLE DATE	06/23/2011	10/19/2011	01/04/2012	05/03/2012
SAMPLE TIME	09:30	14:15	14:05	07:20
LAB	EL	EL	EL	EL
LAB NUMBER	1060448010	1100335021	2010106010	2050095018
SAMPLE NUMBER	OTRCRK1106209	OTRCR1110-320	OTRCR1201-109	OCC-1205-557
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	5.66			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.032	0.02	0.009	<0.005
MOLYBDENUM (MO) TRC	0.025			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.25			
SELENIUM (SE) DIS	<0.009	<0.001	<0.001	0.002
SELENIUM (SE) TRC	<0.009			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	0.3			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.92			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U	B5-U	B5-U	B5-U	B5-U	B5-U
SAMPLE DATE	06/23/2011	10/19/2011	10/19/2011	01/04/2012	05/01/2012	05/01/2012
SAMPLE TIME	09:42	13:35	13:35	13:58	17:00	17:10
LAB	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060448011	1100335018	1100335019	2010106009	2050095005	2050095006
REMARKS			DUPLICATE			DUPLICATE
SAMPLE NUMBER	OTRCRK1106210	OTRCR1110-317	OTRCR1110-318	OTRCR1201-108	OCC-1205-544	OCC-1205-545
-- PHYSICAL PARAMETERS --						
DEPTH TO WATER LEVEL (FEET)	159.68	159.65		159.47	159.21	
PH (FLD)	8.7	8.5		8.79	8.72	
PH	8.7	8.8	8.8	8.7	8.1	8.2
SODIUM ADSORPTION RATIO	43.3	45.1	45.1	43.7	44.9	44.2
SC (UMHOS/CM AT 25 C)	1010.0	1020.0	1010.0	1090.0	1080.0	1080.0
SC (UMHOS/CM AT 25 C) (FLD)	1088.0	1113.0		1120.0	1035.0	
TDS (MEASURED AT 180 C)	634.0	638.0	620.0	608.0	650.0	646.0
WATER TEMPERATURE (FLD)	18.6	17.0		16.3	17.0	
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	2.0					
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0					
SODIUM (NA) DIS	261.0	257.0	258.0	257.0	263.0	259.0
SODIUM (NA) TRC	261.0					
POTASSIUM (K) DIS	1.0	1.0	1.0	1.0	1.0	1.0
POTASSIUM (K) TRC	1.0					
TOTAL ALKALINITY AS CACO3	560.0	570.0	570.0	570.0	580.0	580.0
BICARBONATE (HCO3)	630.0	620.0	620.0	630.0	630.0	630.0
CARBONATE AS CO3	25.0	36.0	36.0	32.0	36.0	36.0
SULFATE (SO4)	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0
CHLORIDE (CL)	23.0	24.0	25.0	24.0	26.0	26.0
FLUORIDE (F)	2.0	2.0	2.0	2.0	2.0	2.0
HYDROXIDE (OH)		<4.0	<4.0	<1.0	<4.0	<4.0
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)	0.38					
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.105					
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.6					
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003					
BARIUM (BA) DIS	0.076	0.071	0.073	0.07	0.072	0.07
BARIUM (BA) TRC	0.08					
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001					
BORON (B) DIS	0.16	0.17	0.17	0.18	0.17	0.17
BORON (B) TRC	0.16					
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008					
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001					
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001					
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.29					
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0006					

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U	B5-U	B5-U	B5-U	B5-U	B5-U
SAMPLE DATE	06/23/2011	10/19/2011	10/19/2011	01/04/2012	05/01/2012	05/01/2012
SAMPLE TIME	09:42	13:35	13:35	13:58	17:00	17:10
LAB	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060448011	1100335018	1100335019	2010106009	2050095005	2050095006
REMARKS			DUPLICATE			DUPLICATE
SAMPLE NUMBER	OTRCRK1106210	OTRCR1110-317	OTRCR1110-318	OTRCR1201-108	OCC-1205-544	OCC-1205-545
-- METALS & MINOR CONSTITUENTS --						
MANGANESE (MN) DIS	0.007	0.007	0.006	0.008	0.007	0.007
MANGANESE (MN) TRC	0.009					
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005					
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005					
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01					
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001					
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1					
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.1					

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K	B6-K	B6-K	B6-K
SAMPLE DATE	08/25/2011	10/25/2011	01/12/2012	05/01/2012
SAMPLE TIME	11:24	16:12	09:15	11:25
LAB	EL	EL	EL	EL
LAB NUMBER	1080476016	1100411001	2011023009	2050095001
SAMPLE NUMBER	OTRCR1108-815	OTRCR1110-321	OTRCR1201-128	OCC-1205-540
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	126.94	126.91	127.04	127.1
PH (FLD)	8.28	7.85	8.18	8.18
PH	8.6	8.5	8.2	7.8
SODIUM ADSORPTION RATIO	44.7	48.9	53.6	51.4
SC (UMHOS/CM AT 25 C)	1340.0	1340.0	1450.0	1440.0
SC (UMHOS/CM AT 25 C) (FLD)	1565.0	1477.0	1377.0	1413.0
TDS (MEASURED AT 180 C)	964.0	854.0	886.0	896.0
WATER TEMPERATURE (FLD)	19.7	14.5	13.9	16.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	3.0	3.0	3.0	2.0
CALCIUM (CA) TRC	4.0			
MAGNESIUM (MG) DIS	1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	376.0	366.0	386.0	373.0
SODIUM (NA) TRC	382.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	850.0	850.0	850.0	850.0
BICARBONATE (HCO3)	970.0	990.0	973.0	970.0
CARBONATE AS CO3	35.0	23.0	32.0	31.0
SULFATE (SO4)	34.0	6.0	4.0	5.0
CHLORIDE (CL)	7.0	8.0	7.0	7.0
FLUORIDE (F)	1.0	0.9	1.0	0.9
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.76			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.152			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.6			
	J4D			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.111	0.097	0.098	0.102
BARIUM (BA) TRC	0.129			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.14	0.14	0.11	0.14
BORON (B) TRC	0.14			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.003			
IRON (FE) DIS	0.07	<0.05	<0.05	<0.05
IRON (FE) TRC	0.71			
	J4D			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K	B6-K	B6-K	B6-K
SAMPLE DATE	08/25/2011	10/25/2011	01/12/2012	05/01/2012
SAMPLE TIME	11:24	16:12	09:15	11:25
LAB	EL	EL	EL	EL
LAB NUMBER	1080476016	1100411001	2011023009	2050095001
SAMPLE NUMBER	OTRCR1108-815	OTRCR1110-321	OTRCR1201-128	OCC-1205-540
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0008			
MANGANESE (MN) DIS	0.016	0.006	<0.005	<0.005
MANGANESE (MN) TRC	0.022			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O	B6-O	B6-O	B6-O
SAMPLE DATE	08/25/2011	10/20/2011	01/12/2012	05/01/2012
SAMPLE TIME	09:36	13:15	10:50	14:35
LAB	EL	EL	EL	EL
LAB NUMBER	1080476015	1100335025	2011023011	2050095003
SAMPLE NUMBER	OTRCR1108-814	OTRCR1110-324	OTRCR1201-130	OCC-1205-542
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	98.58	96.36	96.15	95.66
PH (FLD)	7.96	7.58	8.5	8.36
PH	8.4	8.2	8.0	7.3
SODIUM ADSORPTION RATIO	46.1	49.7	53.5	49.8
SC (UMHOS/CM AT 25 C)	4550.0	4600.0	5380.0	5100.0
SC (UMHOS/CM AT 25 C) (FLD)	5440.0	5380.0	4925.0	4920.0
TDS (MEASURED AT 180 C)	1570.0	3630.0	3910.0	3640.0
WATER TEMPERATURE (FLD)	17.4	15.2	11.0	17.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	29.0	25.0	28.0	25.0
CALCIUM (CA) TRC	61.0			
MAGNESIUM (MG) DIS	15.0	13.0	14.0	13.0
MAGNESIUM (MG) TRC	31.0			
SODIUM (NA) DIS	1230.0	1220.0	1380.0	1230.0
SODIUM (NA) TRC	1260.0			
POTASSIUM (K) DIS	7.0	6.0	7.0	7.0
POTASSIUM (K) TRC	15.0			
TOTAL ALKALINITY AS CACO3	1300.0	1300.0	1290.0	1300.0
BICARBONATE (HCO3)	1500.0	1400.0	1560.0	1500.0
CARBONATE AS CO3	27.0	55.0	10.0	21.0
SULFATE (SO4)	1600.0	1500.0	1810.0	1500.0
CHLORIDE (CL)	15.0	13.0	13.0	15.0
FLUORIDE (F)	1.3	1.3	1.4	1.3
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	2.1			
NITRATE + NITRITE AS N	<0.01	0.03	0.04	<0.01
PHOSPHORUS (P) TOT	1.64			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.1	0.3	0.2	0.4
ALUMINUM (AL) TRC	19.3			
	J4D			
ARSENIC (AS) DIS	0.004	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.015			
BARIUM (BA) DIS	0.038	0.023	0.021	0.025
BARIUM (BA) TRC	0.516			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.33	0.21	0.25	0.24
BORON (B) TRC	0.27			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.0009			
CHROMIUM (CR) DIS	0.002	0.002	0.002	0.002
CHROMIUM (CR) TRC	0.081			
COPPER (CU) DIS	0.002	0.005	0.002	<0.001
COPPER (CU) TRC	0.114			
IRON (FE) DIS	0.22	0.12	0.19	0.17
IRON (FE) TRC	56.3			
	J4D			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O	B6-O	B6-O	B6-O
SAMPLE DATE	08/25/2011	10/20/2011	01/12/2012	05/01/2012
SAMPLE TIME	09:36	13:15	10:50	14:35
LAB	EL	EL	EL	EL
LAB NUMBER	1080476015	1100335025	2011023011	2050095003
SAMPLE NUMBER	OTRCR1108-814	OTRCR1110-324	OTRCR1201-130	OCC-1205-542
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) DIS	<0.0005	<0.0005	0.0006	<0.0005
LEAD (PB) TRC	0.0332			
MANGANESE (MN) DIS	0.187	0.155	0.195	0.154
MANGANESE (MN) TRC	1.43			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00009			
MOLYBDENUM (MO) DIS	0.006	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.07			
SELENIUM (SE) DIS	<0.001	<0.001	0.004	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	0.03	0.02	<0.01
ZINC (ZN) TRC	0.26			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U	B6-U	B6-U	B6-U
SAMPLE DATE	08/25/2011	10/20/2011	01/12/2012	05/01/2012
SAMPLE TIME	13:30	11:38	10:05	13:10
LAB	EL	EL	EL	EL
LAB NUMBER	1080476018	1100335023	2011023010	2050095002
SAMPLE NUMBER	OTRCR1108-817	OTRCR1110-322	OTRCR1201-129	OCC-1205-541
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	150.84	150.53	151.44	151.11
PH (FLD)	8.7	8.49	8.58	8.7
PH	8.8	8.8	8.5	5.6
SODIUM ADSORPTION RATIO	43.5	44.9	44.4	43.5
SC (UMHOS/CM AT 25 C)	864.0	899.0	959.0	968.0
SC (UMHOS/CM AT 25 C) (FLD)	977.0	949.0	909.0	925.0
TDS (MEASURED AT 180 C)	654.0	614.0	577.0	600.0
WATER TEMPERATURE (FLD)	19.2	15.8	15.2	18.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	1.0	1.0	2.0	2.0
CALCIUM (CA) TRC	5.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	2.0			
SODIUM (NA) DIS	226.0	236.0	247.0	236.0
SODIUM (NA) TRC	240.0			
POTASSIUM (K) DIS	<1.0	<1.0	1.0	1.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	530.0	540.0	517.0	540.0
BICARBONATE (HCO3)	590.0	590.0	579.0	600.0
CARBONATE AS CO3	32.0	32.0	26.0	30.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	11.0	10.0	10.0	11.0
FLUORIDE (F)	2.0	2.0	2.2	2.0
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.46			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.251			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.2	0.5	<0.1	0.3
ALUMINUM (AL) TRC	6.2			
	J4D			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.003			
BARIUM (BA) DIS	0.023	0.019	0.023	0.022
BARIUM (BA) TRC	0.208			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.13	0.12	0.11	0.13
BORON (B) TRC	0.13			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.004			
IRON (FE) DIS	0.41	0.17	<0.05	0.12
IRON (FE) TRC	3.14			
	J4D			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U	B6-U	B6-U	B6-U
SAMPLE DATE	08/25/2011	10/20/2011	01/12/2012	05/01/2012
SAMPLE TIME	13:30	11:38	10:05	13:10
LAB	EL	EL	EL	EL
LAB NUMBER	1080476018	1100335023	2011023010	2050095002
SAMPLE NUMBER	OTRCR1108-817	OTRCR1110-322	OTRCR1201-129	OCC-1205-541
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0091			
MANGANESE (MN) DIS	<0.005	0.008	0.005	0.008
MANGANESE (MN) TRC	0.046			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL	B7-KL	B7-KL	B7-KL
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	14:15	12:30	12:37	14:57
LAB	EL	EL	EL	EL
LAB NUMBER	1060450002	1100335003	2011023003	2040492002
SAMPLE NUMBER	OTRCR1106-002	OTRCR1110-302	OTRCR1201-122	OCC-1204-532
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	206.54	208.01	207.99	206.71
PH (FLD)	8.42	8.43	9.16	8.33
PH	8.6	8.6	8.4	8.7
SODIUM ADSORPTION RATIO	43.2	42.6	47.6	41.3
SC (UMHOS/CM AT 25 C)	1580.0	1440.0	1550.0	999.0
SC (UMHOS/CM AT 25 C) (FLD)	1767.0	1588.0	1521.0	1590.0
TDS (MEASURED AT 180 C)	1070.0	982.0	976.0	1000.0
WATER TEMPERATURE (FLD)	17.5	16.2	15.7	18.4
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	4.0	4.0	3.0	4.0
CALCIUM (CA) TRC	4.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	359.0	346.0	363.0	336.0
SODIUM (NA) TRC	376.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	340.0	350.0	328.0	350.0
BICARBONATE (HCO3)	390.0	410.0	375.0	380.0
CARBONATE AS CO3	15.0	5.0	12.0	20.0
SULFATE (SO4)	420.0	430.0	431.0	430.0
CHLORIDE (CL)	7.0	7.0	7.0	8.0
FLUORIDE (F)	1.0	1.0	1.0	0.9
HYDROXIDE (OH)		<4.0	<4.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.53			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.065			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	0.2	0.2	0.4
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.018	0.014	0.012	0.013
BARIUM (BA) TRC	0.036			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.1	0.1	0.09	0.09
BORON (B) TRC	0.11			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.11	0.08	0.05	0.14
IRON (FE) TRC	0.34			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.022	0.009	0.006	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL	B7-KL	B7-KL	B7-KL
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	14:15	12:30	12:37	14:57
LAB	EL	EL	EL	EL
LAB NUMBER	1060450002	1100335003	2011023003	2040492002
SAMPLE NUMBER	OTRCR1106-002	OTRCR1110-302	OTRCR1201-122	OCC-1204-532
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.017			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU	B7-KU	B7-KU	B7-KU
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	16:00	10:48	11:16	15:49
LAB	EL	EL	EL	EL
LAB NUMBER	1060450003	1100335002	2011023002	2040492003
SAMPLE NUMBER	OTRCR1106-003	OTRCR1110-301	OTRCR1201-121	OCC-1204-533
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	192.69	194.12	194.23	194.19
PH (FLD)	8.2	8.38	8.61	7.97
PH	8.3	8.4	8.2	8.6
SODIUM ADSORPTION RATIO	39.1	44.4	52.4	47.4
SC (UMHOS/CM AT 25 C)	3410.0	2010.0	1870.0	1820.0
SC (UMHOS/CM AT 25 C) (FLD)	3870.0	2228.0	1837.0	1796.0
TDS (MEASURED AT 180 C)	2550.0	1410.0	1160.0	1170.0
WATER TEMPERATURE (FLD)	18.1	14.2	15.5	17.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	17.0	7.0	5.0	5.0
CALCIUM (CA) TRC	27.0			
MAGNESIUM (MG) DIS	6.0	2.0	1.0	1.0
MAGNESIUM (MG) TRC	11.0			
SODIUM (NA) DIS	882.0	509.0	492.0	442.0
SODIUM (NA) TRC	861.0			
POTASSIUM (K) DIS	4.0	3.0	3.0	2.0
POTASSIUM (K) TRC	5.0			
TOTAL ALKALINITY AS CACO3	840.0	900.0	891.0	900.0
BICARBONATE (HCO3)	970.0	1000.0	1030.0	1000.0
CARBONATE AS CO3	20.0	27.0	27.0	41.0
SULFATE (SO4)	1000.0	240.0	157.0	130.0
CHLORIDE (CL)	11.0	12.0	10.0	13.0
FLUORIDE (F)	1.3	2.0	2.2	2.0
HYDROXIDE (OH)		<4.0	<4.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.9			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.386			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	1.0	0.5	0.1	0.4
ALUMINUM (AL) TRC	20.2			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.004			
BARIUM (BA) DIS	0.024	0.04	0.044	0.039
BARIUM (BA) TRC	2.9			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.14	0.12	0.1	0.12
BORON (B) TRC	0.2			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.00026			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.009			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.016			
IRON (FE) DIS	0.14	0.21	0.05	0.16
IRON (FE) TRC	9.66			
LEAD (PB) DIS	0.0008	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0341			
MANGANESE (MN) DIS	0.029	0.012	0.006	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU	B7-KU	B7-KU	B7-KU
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	16:00	10:48	11:16	15:49
LAB	EL	EL	EL	EL
LAB NUMBER	1060450003	1100335002	2011023002	2040492003
SAMPLE NUMBER	OTRCR1106-003	OTRCR1110-301	OTRCR1201-121	OCC-1204-533
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.105			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.01			
SELENIUM (SE) DIS	<0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.06			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-0	B7-0	B7-0	B7-0
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	17:35	09:35	10:08	17:00
LAB	EL	EL	EL	EL
LAB NUMBER	1060450004	1100335001	2011023001	2040492004
SAMPLE NUMBER	OTRCR1106-004	OTRCR1110-300	OTRCR1201-120	OCC-1204-534
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	174.67	174.37	173.94	173.61
PH (FLD)	8.19	8.07	8.15	7.7
PH	8.4	8.2	8.0	8.5
SODIUM ADSORPTION RATIO	51.5	50.4	57.2	46.6
SC (UMHOS/CM AT 25 C)	4500.0	4520.0	4860.0	4970.0
SC (UMHOS/CM AT 25 C) (FLD)	5230.0	4984.0	4906.0	4910.0
TDS (MEASURED AT 180 C)	3570.0	3490.0	3440.0	3360.0
WATER TEMPERATURE (FLD)	18.2	14.0	15.4	16.3
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	22.0	23.0	21.0	26.0
CALCIUM (CA) TRC	22.0			
MAGNESIUM (MG) DIS	10.0	10.0	10.0	10.0
MAGNESIUM (MG) TRC	10.0			
SODIUM (NA) DIS	1140.0	1160.0	1260.0	1110.0
SODIUM (NA) TRC	1260.0			
POTASSIUM (K) DIS	6.0	6.0	7.0	6.0
POTASSIUM (K) TRC	6.0			
TOTAL ALKALINITY AS CACO3	900.0	900.0	875.0	920.0
BICARBONATE (HCO3)	1100.0	1100.0	1050.0	1100.0
CARBONATE AS CO3	16.0	11.0	9.0	29.0
SULFATE (SO4)	1500.0	1700.0	1860.0	1700.0
CHLORIDE (CL)	12.0	11.0	10.0	12.0
FLUORIDE (F)	1.1	1.0	1.1	0.9
HYDROXIDE (OH)		<4.0	<4.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	1.04			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.044			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.2	0.3	0.4	0.3
ALUMINUM (AL) TRC	0.5			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.023	0.017	0.016	0.015
BARIUM (BA) TRC	0.035			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.17	0.16	0.15	0.16
BORON (B) TRC	0.18			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001			
IRON (FE) DIS	0.12	0.13	0.13	0.16
IRON (FE) TRC	0.41			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0008			
MANGANESE (MN) DIS	0.124	0.092	0.071	0.065

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O	B7-O	B7-O	B7-O
SAMPLE DATE	06/21/2011	10/17/2011	01/10/2012	04/26/2012
SAMPLE TIME	17:35	09:35	10:08	17:00
LAB	EL	EL	EL	EL
LAB NUMBER	1060450004	1100335001	2011023001	2040492004
SAMPLE NUMBER	OTRCR1106-004	OTRCR1110-300	OTRCR1201-120	OCC-1204-534
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.123			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U	B7-U	B7-U	B7-U
SAMPLE DATE	06/21/2011	10/18/2011	01/11/2012	04/27/2012
SAMPLE TIME	12:00	08:15	12:15	08:46
LAB	EL	EL	EL	EL
LAB NUMBER	1060450001	1100335004	2011023007	2040492001
SAMPLE NUMBER	OTRCR1106-001	OTRCR1110-303	OTRCR1201-126	OCC-1204-535
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	213.41	213.72	213.36	213.34
PH (FLD)	8.06	8.5	8.78	8.48
PH	8.4	8.7	8.6	8.8
SODIUM ADSORPTION RATIO	53.7	46.7	50.6	46.1
SC (UMHOS/CM AT 25 C)	4290.0	1300.0	1020.0	999.0
SC (UMHOS/CM AT 25 C) (FLD)	4760.0	1427.0	1005.0	1036.0
TDS (MEASURED AT 180 C)	3130.0	896.0	612.0	626.0
WATER TEMPERATURE (FLD)	16.8	13.2	14.8	16.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	20.0	3.0	2.0	2.0
CALCIUM (CA) TRC	19.0			
MAGNESIUM (MG) DIS	6.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	5.0			
SODIUM (NA) DIS	1050.0	328.0	264.0	247.0
SODIUM (NA) TRC	1120.0			
POTASSIUM (K) DIS	4.0	1.0	1.0	1.0
POTASSIUM (K) TRC	4.0			
TOTAL ALKALINITY AS CACO3	840.0	570.0	528.0	520.0
BICARBONATE (HCO3)	980.0	690.0	583.0	570.0
CARBONATE AS CO3	21.0	<4.0	30.0	34.0
SULFATE (SO4)	1400.0	180.0	42.0	26.0
CHLORIDE (CL)	12.0	10.0	9.0	10.0
FLUORIDE (F)	1.0	2.0	1.9	2.0
HYDROXIDE (OH)		<4.0	<4.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.83			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.055			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	0.8	0.1	0.5
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	0.007	0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.008			
BARIUM (BA) DIS	0.023	0.04	0.056	0.107
BARIUM (BA) TRC	0.039			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.11	0.09	0.1
BORON (B) TRC	0.17			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	0.002	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.09	0.27	0.06	0.17
IRON (FE) TRC	0.46			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0007			
MANGANESE (MN) DIS	0.303	0.029	0.014	0.014

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U	B7-U	B7-U	B7-U
SAMPLE DATE	06/21/2011	10/18/2011	01/11/2012	04/27/2012
SAMPLE TIME	12:00	08:15	12:15	08:46
LAB	EL	EL	EL	EL
LAB NUMBER	1060450001	1100335004	2011023007	2040492001
SAMPLE NUMBER	OTRCR1106-001	OTRCR1110-303	OTRCR1201-126	OCC-1204-535
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.308			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	0.015	0.006	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.014			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	0.005	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detett. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL	B8-KL	B8-KL	B8-KL	B8-KL
SAMPLE DATE	08/23/2011	08/23/2011	10/18/2011	01/10/2012	04/25/2012
SAMPLE TIME	14:46	14:50	10:28	15:43	11:53
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080476003	1080476004	1100335009	2011023004	2040471021
REMARKS		DUPLICATE			
SAMPLE NUMBER	OTRCR1108-802	OTRCR1108-803	OTRCR1110-308	OTRCR1201-123	OCC-1204-520
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	174.8		175.46	175.37	175.27
PH (FLD)	8.35		8.46	8.93	8.45
PH	8.5	8.5	8.6	8.3	8.2
SODIUM ADSORPTION RATIO	26.8	26.7	33.4	39.4	40.4
SC (UMHOS/CM AT 25 C)	1980.0	1990.0	1570.0	1560.0	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	2352.0		1761.0	1541.0	1590.0
TDS (MEASURED AT 180 C)	1480.0	1570.0	1070.0	946.0	972.0
WATER TEMPERATURE (FLD)	18.6		16.4	15.0	16.2
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	13.0	13.0	6.0	4.0	4.0
CALCIUM (CA) TRC	13.0	13.0			
MAGNESIUM (MG) DIS	8.0	8.0	3.0	2.0	2.0
MAGNESIUM (MG) TRC	7.0	8.0			
SODIUM (NA) DIS	495.0	497.0	378.0	379.0	340.0
SODIUM (NA) TRC	519.0	505.0			
POTASSIUM (K) DIS	3.0	3.0	2.0	2.0	2.0
POTASSIUM (K) TRC	3.0	3.0			
TOTAL ALKALINITY AS CACO3	470.0	460.0	510.0	518.0	520.0
BICARBONATE (HCO3)	540.0	530.0	570.0	594.0	580.0
CARBONATE AS CO3	17.0	17.0	27.0	18.0	28.0
SULFATE (SO4)	700.0	700.0	320.0	294.0	280.0
CHLORIDE (CL)	10.0	10.0	12.0	12.0	16.0
FLUORIDE (F)	0.9	0.9	1.2	1.3	1.2
HYDROXIDE (OH)			<4.0	<4.0	<4.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	1.07	1.15			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.025	0.026			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	0.06			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003			
BARIUM (BA) DIS	0.036	0.036	0.027	0.024	0.021
BARIUM (BA) TRC	0.039	0.042			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001			
BORON (B) DIS	0.13	0.13	0.12	0.11	0.11
BORON (B) TRC	0.13	0.13			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.003	0.002			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.06	0.09			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL	B8-KL	B8-KL	B8-KL	B8-KL
SAMPLE DATE	08/23/2011	08/23/2011	10/18/2011	01/10/2012	04/25/2012
SAMPLE TIME	14:46	14:50	10:28	15:43	11:53
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080476003	1080476004	1100335009	2011023004	2040471021
REMARKS		DUPLICATE			
SAMPLE NUMBER	OTRCR1108-802	OTRCR1108-803	OTRCR1110-308	OTRCR1201-123	OCC-1204-520
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN) DIS	0.02	0.019	0.01	0.007	0.01
MANGANESE (MN) TRC	0.02	0.02			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU	B8-KU	B8-KU	B8-KU
SAMPLE DATE	08/23/2011	10/18/2011	01/12/2012	04/25/2012
SAMPLE TIME	11:30	13:13	14:30	14:48
LAB	EL	EL	EL	EL
LAB NUMBER	1080476002	1100335011	2011023014	2040471022
SAMPLE NUMBER	OTRCR1108-801	OTRCR1110-310	OTRCR1201-133	OCC-1204-521
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	81.2	80.2	78.98	77.87
PH (FLD)	7.64	6.8	6.98	7.1
PH	8.2	7.7	7.5	7.5
SODIUM ADSORPTION RATIO	5.51	5.81	6.5	5.5
SC (UMHOS/CM AT 25 C)	2710.0	2820.0	3310.0	3300.0
SC (UMHOS/CM AT 25 C) (FLD)	3245.0	3445.0	3184.0	2600.0
TDS (MEASURED AT 180 C)	2580.0	2460.0	2590.0	2570.0
WATER TEMPERATURE (FLD)	19.5	13.9	12.5	13.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	168.0	159.0	169.0	151.0
CALCIUM (CA) TRC	160.0			
MAGNESIUM (MG) DIS	165.0	155.0	150.0	153.0
MAGNESIUM (MG) TRC	155.0			
SODIUM (NA) DIS	420.0	430.0	482.0	401.0
SODIUM (NA) TRC	434.0			
POTASSIUM (K) DIS	8.0	8.0	9.0	8.0
POTASSIUM (K) TRC	8.0			
TOTAL ALKALINITY AS CACO3	610.0	650.0	603.0	610.0
BICARBONATE (HCO3)	740.0	790.0	735.0	740.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	1400.0	1300.0	1510.0	1300.0
CHLORIDE (CL)	9.0	8.0	9.0	10.0
FLUORIDE (F)	0.3	0.2	0.3	0.2
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.99			
NITRATE + NITRITE AS N	0.47	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.038			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.015	0.012	0.015	0.014
BARIUM (BA) TRC	0.015			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.38	0.38	0.35	0.38
BORON (B) TRC	0.37			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001			
IRON (FE) DIS	1.11	1.18	1.32	1.27
IRON (FE) TRC	1.07			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.111	0.091	0.094	0.085

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU	B8-KU	B8-KU	B8-KU
SAMPLE DATE	08/23/2011	10/18/2011	01/12/2012	04/25/2012
SAMPLE TIME	11:30	13:13	14:30	14:48
LAB	EL	EL	EL	EL
LAB NUMBER	1080476002	1100335011	2011023014	2040471022
SAMPLE NUMBER	OTRCR1108-801	OTRCR1110-310	OTRCR1201-133	OCC-1204-521
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.104			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-D	B8-O	B8-O	B8-O
SAMPLE DATE	08/23/2011	10/18/2011	01/12/2012	04/25/2012
SAMPLE TIME	09:50	14:16	15:22	15:41
LAB	EL	EL	EL	EL
LAB NUMBER	1080476001	1100335012	2011023015	2040471023
SAMPLE NUMBER	OTRCR1108-800	OTRCR1110-311	OTRCR1201-134	OCC-1204-522
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	79.98	79.07	77.55	76.47
PH (FLD)	7.82	7.28	7.42	7.49
PH	8.2	8.0	7.7	7.7
SODIUM ADSORPTION RATIO	3.94	3.8	3.87	3.56
SC (UMHOS/CM AT 25 C)	2200.0	2060.0	2280.0	2300.0
SC (UMHOS/CM AT 25 C) (FLD)	2673.0	2429.0	2175.0	2240.0
TDS (MEASURED AT 180 C)	2030.0	1700.0	1670.0	1750.0
WATER TEMPERATURE (FLD)	17.1	13.7	12.0	14.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	91.0	73.0	72.0	69.0
CALCIUM (CA) TRC	95.0			
MAGNESIUM (MG) DIS	194.0	163.0	153.0	158.0
MAGNESIUM (MG) TRC	200.0			
SODIUM (NA) DIS	290.0	255.0	253.0	235.0
SODIUM (NA) TRC	298.0			
POTASSIUM (K) DIS	5.0	5.0	6.0	5.0
POTASSIUM (K) TRC	6.0			
TOTAL ALKALINITY AS CACO3	440.0	460.0	438.0	440.0
BICARBONATE (HCO3)	540.0	570.0	534.0	530.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	1200.0	970.0	990.0	960.0
CHLORIDE (CL)	10.0	7.0	6.0	7.0
FLUORIDE (F)	0.8	0.8	0.8	0.7
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.22			
NITRATE + NITRITE AS N	0.4	0.03	0.01	<0.01
PHOSPHORUS (P) TOT	0.018			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.7			
ARSENIC (AS) DIS	0.011	0.01	0.011	0.008
ARSENIC (AS) TRC	0.011			
BARIUM (BA) DIS	0.02	0.018	0.015	0.015
BARIUM (BA) TRC	0.043			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.26	0.27	0.27	0.27
BORON (B) TRC	0.27			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.002	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.003			
IRON (FE) DIS	<0.05	<0.05	<0.05	0.06
IRON (FE) TRC	0.4			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.001			
MANGANESE (MN) DIS	0.099	0.088	0.076	0.067

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and arn laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O	B8-O	B8-O	B8-O
SAMPLE DATE	08/23/2011	10/18/2011	01/12/2012	04/25/2012
SAMPLE TIME	09:50	14:16	15:22	15:41
LAB	EL	EL	EL	EL
LAB NUMBER	1080476001	1100335012	2011023015	2040471023
SAMPLE NUMBER	OTRCR1108-800	OTRCR1110-311	OTRCR1201-134	OCC-1204-522
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.109			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	0.03	0.01	0.01	<0.01
NICKEL (NI) TRC	0.03			
SELENIUM (SE) DIS	0.002	<0.001	0.001	<0.001
SELENIUM (SE) TRC	0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U	B8-U	B8-U	B8-U
SAMPLE DATE	08/24/2011	10/19/2011	01/12/2012	04/26/2012
SAMPLE TIME	07:46	08:00	13:04	08:30
LAB	EL	EL	EL	EL
LAB NUMBER	1080476005	1100335010	2011023008	2040471029
SAMPLE NUMBER	OTRCR1108-804	OTRCR1110-309	OTRCR1201-127	OCC-1204-528
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	148.02	148.1	147.78	148.34
PH (FLD)	8.48	8.52	8.62	8.41
PH	8.6	8.8	8.4	8.3
SODIUM ADSORPTION RATIO	15.4	29.6	35.8	37.6
SC (UMHOS/CM AT 25 C)	1090.0	1070.0	1160.0	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1252.0	1208.0	1112.0	1170.0
TDS (MEASURED AT 180 C)	754.0	686.0	672.0	704.0
WATER TEMPERATURE (FLD)	16.9	15.4	10.8	17.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	8.0	3.0	3.0	2.0
CALCIUM (CA) TRC	8.0			
MAGNESIUM (MG) DIS	9.0	2.0	2.0	1.0
MAGNESIUM (MG) TRC	9.0			
SODIUM (NA) DIS	272.0	272.0	293.0	264.0
SODIUM (NA) TRC	280.0			
POTASSIUM (K) DIS	2.0	1.0	2.0	1.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	580.0	620.0	580.0	610.0
BICARBONATE (HCO3)	650.0	700.0	648.0	660.0
CARBONATE AS CO3	30.0	23.0	29.0	42.0
SULFATE (SO4)	54.0	<2.0	2.0	2.0
CHLORIDE (CL)	37.0	38.0	40.0	40.0
FLUORIDE (F)	3.0	2.0	2.6	2.0
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.64			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.062			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	0.018	0.008	0.007	0.004
ARSENIC (AS) TRC	0.018			
BARIUM (BA) DIS	0.089	0.064	0.065	0.065
BARIUM (BA) TRC	0.09			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.15	0.14	0.12	0.13
BORON (B) TRC	0.15			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.022			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.07			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.029	0.014	0.013	0.014

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U	B8-U	B8-U	B8-U
SAMPLE DATE	08/24/2011	10/19/2011	01/12/2012	04/26/2012
SAMPLE TIME	07:46	08:00	13:04	08:30
LAB	EL	EL	EL	EL
LAB NUMBER	1080476005	1100335010	2011023008	2040471029
SAMPLE NUMBER	OTRCR1108-804	OTRCR1110-309	OTRCR1201-127	OCC-1204-528
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.03			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.006	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K	B9-K	B9-K	B9-K
SAMPLE DATE	08/23/2011	10/19/2011	01/24/2012	04/24/2012
SAMPLE TIME	16:34	11:09	11:26	11:10
LAB	EL	EL	EL	EL
LAB NUMBER	1080476006	1100335016	2010303002	2040471010
SAMPLE NUMBER	OTRCR1108-805	OTRCR1110-315	OTRCR1201-142	OCC-1204-509
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	99.2	99.48	99.53	99.39
PH (FLD)	8.42	8.05	8.5	8.23
PH	8.6	8.5	8.4	8.2
SODIUM ADSORPTION RATIO	54.8	56.0	54.2	56.7
SC (UMHOS/CM AT 25 C)	1370.0	1500.0	1680.0	1640.0
SC (UMHOS/CM AT 25 C) (FLD)	1629.0	1682.0	1567.0	1610.0
TDS (MEASURED AT 180 C)	986.0	962.0	994.0	1030.0
WATER TEMPERATURE (FLD)	17.1	13.8	14.5	15.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	3.0	2.0	2.0	2.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	432.0	404.0	392.0	410.0
SODIUM (NA) TRC	396.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	910.0	930.0	840.0	940.0
BICARBONATE (HCO3)	1000.0	1000.0	970.0	1100.0
CARBONATE AS CO3	39.0	48.0	29.0	45.0
SULFATE (SO4)	3.0	<2.0	<1.0	<1.0
CHLORIDE (CL)	22.0	21.0	21.0	23.0
FLUORIDE (F)	1.8	2.0	1.8	1.7
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.78			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.092			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.5			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.087	0.094	0.089	0.091
BARIUM (BA) TRC	0.092			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.13	0.13	0.12	0.13
BORON (B) TRC	0.13			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	0.001	<0.001	<0.001
COPPER (CU) TRC	0.003			
IRON (FE) DIS	0.05	<0.05	0.09	0.09
IRON (FE) TRC	0.26			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0011			
MANGANESE (MN) DIS	0.079	0.051	0.064	0.056

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K	B9-K	B9-K	B9-K
SAMPLE DATE	08/23/2011	10/19/2011	01/24/2012	04/24/2012
SAMPLE TIME	16:34	11:09	11:26	11:10
LAB	EL	EL	EL	EL
LAB NUMBER	1080476006	1100335016	2010303002	2040471010
SAMPLE NUMBER	OTRCR1108-805	OTRCR1110-315	OTRCR1201-142	OCC-1204-509
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.081			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U	B9-U	B9-U	B9-U
SAMPLE DATE	08/24/2011	10/20/2011	01/24/2012	04/24/2012
SAMPLE TIME	09:17	09:25	10:28	12:45
LAB	EL	EL	EL	EL
LAB NUMBER	1080476009	1100335017	2010303001	2040471011
SAMPLE NUMBER	OTRCR1108-808	OTRCR1110-316	OTRCR1201-141	OCC-1204-510
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	104.95	105.1	105.01	104.72
PH (FLD)	8.64	8.5	0.86	8.52
PH	8.6	8.7	8.7	8.3
SODIUM ADSORPTION RATIO	42.4	40.7	38.2	39.7
SC (UMHOS/CM AT 25 C)	943.0	979.0	1070.0	1050.0
SC (UMHOS/CM AT 25 C) (FLD)	1058.0	1032.0	1030.0	1035.0
TDS (MEASURED AT 180 C)	732.0	594.0	718.0	664.0
WATER TEMPERATURE (FLD)	11.9	15.1	15.1	18.4
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	3.0	2.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	258.0	244.0	252.0	244.0
SODIUM (NA) TRC	262.0			
POTASSIUM (K) DIS	1.0	1.0	1.0	1.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	560.0	550.0	500.0	560.0
BICARBONATE (HCO3)	640.0	610.0	570.0	630.0
CARBONATE AS CO3	24.0	33.0	21.0	29.0
SULFATE (SO4)	2.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	26.0	25.0	23.0	26.0
FLUORIDE (F)	2.0	2.0	3.0	3.0
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.32			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.111			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.3	0.2	0.5	0.7
ALUMINUM (AL) TRC	3.7			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.036	0.044	0.044	0.035
BARIUM (BA) TRC	0.085			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.12	0.12	0.11	0.11
BORON (B) TRC	0.13			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.003			
COPPER (CU) DIS	<0.001	0.003	<0.001	0.001
COPPER (CU) TRC	0.009			
IRON (FE) DIS	0.5	0.07	0.23	0.14
IRON (FE) TRC	2.2			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.003			
MANGANESE (MN) DIS	0.013	0.015	0.026	0.016

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U	B9-U	B9-U	B9-U
SAMPLE DATE	08/24/2011	10/20/2011	01/24/2012	04/24/2012
SAMPLE TIME	09:17	09:25	10:28	12:45
LAB	EL	EL	EL	EL
LAB NUMBER	1080476009	1100335017	2010303001	2040471011
SAMPLE NUMBER	OTRCR1108-808	OTRCR1110-316	OTRCR1201-141	OCC-1204-510
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.041			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	0.007	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.006			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL	B10-KL	B10-KL	B10-KL
SAMPLE DATE	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	13:40	16:26	08:45	10:29
LAB	EL	EL	EL	EL
LAB NUMBER	1060448006	1100335008	2010106014	2040492005
SAMPLE NUMBER	OTRCRK1106205	OTRCR1110-307	OTRCR1201-113	OCC-1204-S36
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	58.81	58.7	58.08	57.93
PH (FLD)	8.39	8.47	8.5	8.21
PH	8.3	8.5	8.5	8.7
SODIUM ADSORPTION RATIO	45.0	43.4	47.7	44.3
SC (UMHOS/CM AT 25 C)	1500.0	1390.0	1490.0	1460.0
SC (UMHOS/CM AT 25 C) (FLD)	1658.0	1493.0	1620.0	1640.0
TDS (MEASURED AT 180 C)	980.0	888.0	848.0	938.0
WATER TEMPERATURE (FLD)	22.6	13.1	13.7	13.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	3.0	4.0	3.0	4.0
CALCIUM (CA) TRC	38.0			
MAGNESIUM (MG) DIS	1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	21.0			
SODIUM (NA) DIS	394.0	358.0	381.0	364.0
SODIUM (NA) TRC	449.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	13.0			
TOTAL ALKALINITY AS CACO3	810.0	810.0	810.0	820.0
BICARBONATE (HCO3)	930.0	910.0	910.0	910.0
CARBONATE AS CO3	31.0	38.0	38.0	44.0
SULFATE (SO4)	27.0	7.0	2.0	3.0
CHLORIDE (CL)	23.0	27.0	29.0	29.0
FLUORIDE (F)	3.0	3.0	3.0	3.0
HYDROXIDE (OH)		<4.0	<1.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.63			
NITRATE + NITRITE AS N	0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.579			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	1.7	0.4	0.4	0.2
ALUMINUM (AL) TRC	66.0			
ARSENIC (AS) DIS	0.004	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.019			
BARIUM (BA) DIS	0.108	0.111	0.097	0.124
BARIUM (BA) TRC	3.38			
BERYLLIUM (BE) DIS	0.003	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	0.013			
BORON (B) DIS	0.11	0.11	0.11	0.1
BORON (B) TRC	0.36			
CADMIUM (CD) DIS	<0.0001	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.0008			
CHROMIUM (CR) DIS	<0.001	<0.001	0.001	<0.001
CHROMIUM (CR) TRC	0.013			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.04			
IRON (FE) DIS	0.85	0.19	0.17	0.1
IRON (FE) TRC	31.4			
	J4D			
LEAD (PB) DIS	0.0021	0.0008	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL	B10-KL	B10-KL	B10-KL
SAMPLE DATE	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	13:40	16:26	08:45	10:29
LAB	EL	EL	EL	EL
LAB NUMBER	1060448006	1100335008	2010106014	2040492005
SAMPLE NUMBER	OTRCRK1106205	OTRCR1110-307	OTRCR1201-113	OCC-1204-536
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.065			
MANGANESE (MN) DIS	0.041	0.022	0.019	0.017
MANGANESE (MN) TRC	0.412			
MERCURY (HG) DIS	0.00018	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00012			
MOLYBDENUM (MO) DIS	0.006	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.005			
NICKEL (NI) DIS	<0.03	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.03			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.009			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.13			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU	B10-KU	B10-KU	B10-KU	B10-KU
SAMPLE DATE	03/10/2011	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	12:00	12:18	14:56	08:14	10:02
LAB	PACE	EL	EL	EL	EL
LAB NUMBER	0151538002	1060448005	1100335007	2010106015	2040492006
SAMPLE NUMBER	OTC-1103-101	OTRCRK1106203	OTRCR1110-306	OTRCR1201-114	OCC-1204-537
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	47.4	47.76	47.43	47.05	46.58
PH (FLD)	7.68	7.26	7.26	7.35	7.11
PH	7.8	8.2	7.7	7.4	8.1
SODIUM ADSORPTION RATIO	23.4	24.2	23.9	24.0	23.8
SC (UMHOS/CM AT 25 C)	5180.0	4760.0	4600.0	5160.0	5110.0
SC (UMHOS/CM AT 25 C) (FLD)	5530.0	5090.0	5200.0	5260.0	4930.0
TDS (MEASURED AT 180 C)	3900.0	3860.0	3890.0	3660.0	3860.0
WATER TEMPERATURE (FLD)	14.3	15.2	11.0	10.1	11.2
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	91.9	95.0	97.0	89.0	100.0
CALCIUM (CA) TRC	99.8	92.0			
MAGNESIUM (MG) DIS	42.5	43.0	41.0	38.0	40.0
MAGNESIUM (MG) TRC	45.5	41.0			
SODIUM (NA) DIS	1080.0	1140.0	1110.0	1080.0	1120.0
SODIUM (NA) TRC	1100.0	1110.0			
POTASSIUM (K) DIS	12.7	13.0	13.0	12.0	13.0
POTASSIUM (K) TRC	14.4	12.0			
TOTAL ALKALINITY AS CACO3	1180.0	1200.0	1200.0	1200.0	1200.0
BICARBONATE (HCO3)	1180.0	1500.0	1500.0	1500.0	1500.0
CARBONATE AS CO3	<5.0	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	1820.0	1500.0	1600.0	1500.0	1600.0
CHLORIDE (CL)	<50.0	8.0	9.0	12.0	11.0
FLUORIDE (F)	<5.0	0.4	0.4	0.4	0.3
HYDROXIDE (OH)			<4.0	<1.0	<1.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)		4.1			
NITRATE + NITRITE AS N	<0.01	<0.01	0.02	<0.02	<0.01
PHOSPHORUS (P) TOT		0.03			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	0.16	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	4.7	1.0			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.0037	<0.003			
BARIUM (BA) DIS	0.022	0.015	0.014	0.014	0.014
BARIUM (BA) TRC	0.16	0.033			
BERYLLIUM (BE) DIS	NA	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NA	<0.001			
BORON (B) DIS	0.25	0.26	0.25	0.29	0.26
BORON (B) TRC	0.21	0.25			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.00011	<0.00008			
CHROMIUM (CR) DIS	0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.0034	<0.001			
COPPER (CU) DIS	0.0035	<0.001	<0.001	0.009	0.008
COPPER (CU) TRC	0.014	0.001			
IRON (FE) DIS	0.49	0.66	0.56	0.65	0.57
IRON (FE) TRC	4.6	1.33			
		J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	0.0009	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU	B10-KU	B10-KU	B10-KU	B10-KU
SAMPLE DATE	03/10/2011	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	12:00	12:18	14:56	08:14	10:02
LAB	PACE	EL	EL	EL	EL
LAB NUMBER	0151538002	1060448005	1100335007	2010106015	2040492006
SAMPLE NUMBER	OTC-1103-101	OTRCRK1106203	OTRCR1110-306	OTRCR1201-114	OCC-1204-537
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) TRC	0.0052	0.001			
MANGANESE (MN) DIS	0.063	0.046	0.04	0.044	0.047
MANGANESE (MN) TRC	0.1	0.05			
MERCURY (HG) DIS	NA	0.00014	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.0000118	0.00013			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1			
ZINC (ZN) DIS	0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.025	0.03			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O	B10-O	B10-O	B10-O
SAMPLE DATE	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	11:30	14:20	09:20	11:15
LAB	EL	EL	EL	EL
LAB NUMBER	1060448004	1100335006	2010106016	2040492007
SAMPLE NUMBER	OTRCRK1106202	OTRCR1110-305	OTRCR1201-115	OCC-1204-538
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	30.96	30.55	30.22	29.86
PH (FLD)	5.83	5.62	6.02	5.81
PH	6.1	6.1	5.9	6.3
SODIUM ADSORPTION RATIO	24.4	24.6	21.9	24.7
SC (UMHOS/CM AT 25 C)	2970.0	3000.0	3370.0	3320.0
SC (UMHOS/CM AT 25 C) (FLD)	3323.0	3376.0	3460.0	3240.0
TDS (MEASURED AT 180 C)	4230.0	3780.0	3650.0	3720.0
WATER TEMPERATURE (FLD)	14.5	11.3	10.0	10.5
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	33.0	32.0	46.0	32.0
CALCIUM (CA) TRC	36.0			
MAGNESIUM (MG) DIS	30.0	26.0	27.0	24.0
MAGNESIUM (MG) TRC	32.0			
SODIUM (NA) DIS	806.0	771.0	754.0	733.0
SODIUM (NA) TRC	886.0			
POTASSIUM (K) DIS	7.0	7.0	7.0	6.0
POTASSIUM (K) TRC	9.0			
TOTAL ALKALINITY AS CACO3	340.0	360.0	330.0	340.0
BICARBONATE (HCO3)	420.0	440.0	400.0	420.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	1200.0	1200.0	1200.0	1200.0
CHLORIDE (CL)	11.0	12.0	14.0	15.0
FLUORIDE (F)	0.3	0.2	0.3	0.2
HYDROXIDE (OH)		<4.0	<1.0	<1.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	1.0			
NITRATE + NITRITE AS N	0.6	0.2	0.8	<0.1
PHOSPHORUS (P) TOT	2.16			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	4.9	6.7	5.7	3.8
ALUMINUM (AL) TRC	10.1			
ARSENIC (AS) DIS	0.193	0.02	0.193	0.18
ARSENIC (AS) TRC	0.214			
BARIUM (BA) DIS	0.109	0.009	0.088	0.077
BARIUM (BA) TRC	0.183			
BERYLLIUM (BE) DIS	<0.001	<0.001	0.002	0.002
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.36	0.03	0.37	0.33
BORON (B) TRC	0.46			
CADMIUM (CD) DIS	<0.0008	<0.00008	0.0005	0.0002
CADMIUM (CD) TRC	<0.0008			
CHROMIUM (CR) DIS	0.011	0.002	0.019	0.01
CHROMIUM (CR) TRC	0.019			
COPPER (CU) DIS	0.011	0.002	0.017	0.003
COPPER (CU) TRC	0.04			
IRON (FE) DIS	33.8	35.2	33.0	31.7
IRON (FE) TRC	39.2			
	J4D			
LEAD (PB) DIS	0.0187	0.0016	0.0181	0.0129

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: paramater not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O	B10-O	B10-O	B10-O
SAMPLE DATE	06/22/2011	10/17/2011	01/05/2012	04/27/2012
SAMPLE TIME	11:30	14:20	09:20	11:15
LAB	EL	EL	EL	EL
LAB NUMBER	1060448004	1100335006	2010106016	2040492007
SAMPLE NUMBER	OTRCRK1106202	OTRCR1110-305	OTRCR1201-115	OCC-1204-538
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.025			
MANGANESE (MN) DIS	0.161	0.012	0.117	0.111
MANGANESE (MN) TRC	0.169			
MERCURY (HG) DIS	0.0003	0.00017	0.00013	0.00016
MERCURY (HG) TOT	0.0003			
MOLYBDENUM (MO) DIS	0.015	<0.005	0.024	0.012
MOLYBDENUM (MO) TRC	0.028			
NICKEL (NI) DIS	<0.04	<0.01	0.03	0.03
NICKEL (NI) TRC	<0.04			
SELENIUM (SE) DIS	0.003	<0.001	0.004	0.001
SELENIUM (SE) TRC	<0.009			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	0.06	<0.01	0.07	0.05
ZINC (ZN) TRC	0.1			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U	B10-U	B10-U	B10-U	B10-U	B10-U
SAMPLE DATE	03/10/2011	06/22/2011	10/17/2011	01/05/2012	01/05/2012	04/27/2012
SAMPLE TIME	12:00	12:20	15:03	10:00	10:01	11:50
LAB	PACE	EL	EL	EL	EL	EL
LAB NUMBER	0151538001	1060448003	1100335005	2010106017	2010106018	2040492007
REMARKS					DUPLICATE	
SAMPLE NUMBER	OTC-1103-100	OTRCRK1106204	OTRCR1110-304	OTRCR1201-116	OTRCR1201-117	OCC-1204-539
-- PHYSICAL PARAMETERS --						
DEPTH TO WATER LEVEL (FEET)	62.27	61.94	62.28	64.9		65.28
PH (FLD)	8.42	8.48	8.45	8.53		8.21
PH	8.5	8.6	8.5	8.5	8.5	8.6
SODIUM ADSORPTION RATIO	43.8	37.7	42.5	45.6	46.0	42.3
SC (UMHOS/CM AT 25 C)	1380.0	1320.0	1280.0	1410.0	1400.0	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1490.0	1434.0	1353.0	1470.0		1381.0
TDS (MEASURED AT 180 C)	825.0	798.0	817.0	776.0	786.0	844.0
WATER TEMPERATURE (FLD)	15.7	18.1	15.2	14.2		13.9
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS	4.2	3.0	3.0	3.0	3.0	3.0
CALCIUM (CA) TRC	3.0	4.0				
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.1	1.0				
SODIUM (NA) DIS	334.0	340.0	334.0	342.0	346.0	329.0
SODIUM (NA) TRC	330.0	336.0				
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.2	2.0				
TOTAL ALKALINITY AS CACO3	670.0	690.0	730.0	700.0	700.0	710.0
BICARBONATE (HCO3)	651.0	820.0	890.0	800.0	780.0	800.0
CARBONATE AS CO3	18.6	15.0	<4.0	24.0	33.0	32.0
SULFATE (SO4)	<10.0	<2.0	<2.0	<2.0	<2.0	<1.0
CHLORIDE (CL)	61.0	59.0	64.0	61.0	65.0	63.0
FLUORIDE (F)	2.4	2.0	2.0	2.0	2.0	2.0
HYDROXIDE (OH)			<4.0	<1.0	<1.0	<1.0
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)		0.5				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT		0.093				
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS	0.14	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.69	0.5				
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003				
BARIUM (BA) DIS	0.11	0.118	0.118	0.126	0.123	0.125
BARIUM (BA) TRC	0.13	0.129				
BERYLLIUM (BE) DIS	NA	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NA	<0.001				
BORON (B) DIS	0.15	0.15	0.15	0.16	0.16	0.15
BORON (B) TRC	0.14	0.15				
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008				
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001	<0.001				
COPPER (CU) DIS	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.0021	0.001				
IRON (FE) DIS	0.089	0.12	<0.05	<0.05	<0.05	0.05
IRON (FE) TRC	0.54	0.46				
		J4D				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U	B10-U	B10-U	B10-U	B10-U	B10-U
SAMPLE DATE	03/10/2011	06/22/2011	10/17/2011	01/05/2012	01/05/2012	04/27/2012
SAMPLE TIME	12:00	12:20	15:03	10:00	10:01	11:50
LAB	PACE	EL	EL	EL	EL	EL
LAB NUMBER	0151538001	1060448003	1100335005	2010106017	2010106018	2040492007
REMARKS					DUPLICATE	
SAMPLE NUMBER	OTC-1103-100	OTRCRK1106204	OTRCR1110-304	OTRCR1201-116	OTRCR1201-117	OCC-1204-539
-- METALS & MINOR CONSTITUENTS --						
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.00077	0.0005				
MANGANESE (MN) DIS	0.017	0.044	0.04	0.038	0.038	0.036
MANGANESE (MN) TRC	0.019	0.052				
MERCURY (HG) DIS	NA	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00000219	<0.00005				
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005				
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01				
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001				
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1				
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K	B11-K	B11-K	B11-K
SAMPLE DATE	06/22/2011	10/18/2011	01/24/2012	04/24/2012
SAMPLE TIME	16:36	16:30	14:05	16:12
LAB	EL	EL	EL	EL
LAB NUMBER	1060448008	1100335014	2010303003	2040471013
SAMPLE NUMBER	OTRCRK1106207	OTRCR1110-313	OTRCR1201-143	OCC-1204-512
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	188.71	191.71	191.62	191.02
PH (FLD)	8.5	8.28	8.56	8.08
PH	8.6	8.5	8.4	8.0
SODIUM ADSORPTION RATIO	21.6	49.4	50.9	50.8
SC (UMHOS/CM AT 25 C)	1140.0	1020.0	1160.0	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1211.0	1172.0	1103.0	1081.0
TDS (MEASURED AT 180 C)	816.0	654.0	684.0	696.0
WATER TEMPERATURE (FLD)	16.0	15.0	15.2	16.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	1.0	1.0	1.0
CALCIUM (CA) TRC	8.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	3.0			
SODIUM (NA) DIS	292.0	271.0	275.0	263.0
SODIUM (NA) TRC	286.0			
POTASSIUM (K) DIS	2.0	1.0	1.0	1.0
POTASSIUM (K) TRC	3.0			
TOTAL ALKALINITY AS CACO3	620.0	630.0	580.0	640.0
BICARBONATE (HCO3)	720.0	710.0	670.0	720.0
CARBONATE AS CO3	22.0	28.0	18.0	29.0
SULFATE (SO4)	28.0	10.0	7.0	6.0
CHLORIDE (CL)	7.0	7.0	8.0	8.0
FLUORIDE (F)	1.5	2.0	1.6	1.5
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.53			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.271			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.3	0.12	<0.1	<0.1
ALUMINUM (AL) TRC	8.9			
ARSENIC (AS) DIS	<0.003	0.1	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.098	0.088	0.098	0.108
BARIUM (BA) TRC	29.6			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.13	0.13	0.13	0.13
BORON (B) TRC	0.13			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.00009			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.008			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.007			
IRON (FE) DIS	0.14	0.06	0.05	<0.05
IRON (FE) TRC	6.03			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K	B11-K	B11-K	B11-K
SAMPLE DATE	06/22/2011	10/18/2011	01/24/2012	04/24/2012
SAMPLE TIME	16:36	16:30	14:05	16:12
LAB	EL	EL	EL	EL
LAB NUMBER	1060448008	1100335014	2010303003	2040471013
SAMPLE NUMBER	OTRCRK1106207	OTRCR1110-313	OTRCR1201-143	OCC-1204-512
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0068			
MANGANESE (MN) DIS	0.015	0.014	0.015	0.016
MANGANESE (MN) TRC	0.094			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.03			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O	B11-O	B11-O	B11-O
SAMPLE DATE	06/23/2011	10/20/2011	01/26/2012	04/25/2012
SAMPLE TIME	07:30	07:40	09:30	07:50
LAB	EL	EL	EL	EL
LAB NUMBER	1060448009	1100335015	2010303005	2040471016
SAMPLE NUMBER	OTRCRK1106208	OTRCR1110-314	OTRCR1201-145	OCC-1204-515
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	113.32	119.94	111.2	110.98
PH (FLD)	8.21	7.88	7.82	7.73
PH	8.3	8.0	7.6	7.6
SODIUM ADSORPTION RATIO	46.9	41.7	39.7	39.5
SC (UMHOS/CM AT 25 C)	7670.0	6510.0	7810.0	7610.0
SC (UMHOS/CM AT 25 C) (FLD)	7630.0	7930.0	7410.0	7480.0
TDS (MEASURED AT 180 C)	5550.0	5740.0	5820.0	5910.0
WATER TEMPERATURE (FLD)	13.7	9.7	11.4	12.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	68.0	72.0	74.0	73.0
CALCIUM (CA) TRC	342.0			
MAGNESIUM (MG) DIS	34.0	38.0	41.0	40.0
MAGNESIUM (MG) TRC	190.0			
SODIUM (NA) DIS	1900.0	1760.0	1710.0	1700.0
SODIUM (NA) TRC	2160.0			
POTASSIUM (K) DIS	11.0	12.0	12.0	12.0
POTASSIUM (K) TRC	100.0			
TOTAL ALKALINITY AS CACO3	790.0	720.0	640.0	750.0
BICARBONATE (HCO3)	960.0	860.0	760.0	920.0
CARBONATE AS CO3	<4.0	13.0	11.0	<1.0
SULFATE (SO4)	3200.0	3300.0	3100.0	3200.0
CHLORIDE (CL)	17.0	13.0	20.0	21.0
FLUORIDE (F)	1.3	0.9	0.9	0.9
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	3.8			
NITRATE + NITRITE AS N	<0.01	<0.01	0.09	0.14
PHOSPHORUS (P) TOT	3.51			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.2	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	412.0			
ARSENIC (AS) DIS	0.004	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.132			
BARIUM (BA) DIS	0.022	0.022	0.024	0.026
BARIUM (BA) TRC	8.17			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	0.042			
BORON (B) DIS	0.23	0.19	0.21	0.21
BORON (B) TRC	0.8			
CADMIUM (CD) DIS	0.00009	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	0.0068			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.375			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.5			
IRON (FE) DIS	0.16	0.1	<0.05	<0.05
IRON (FE) TRC	347.0			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.536			
MANGANESE (MN) DIS	0.32	0.214	0.238	0.225

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TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE		B11-O	B11-O	B11-O	B11-O
SAMPLE DATE		06/23/2011	10/20/2011	01/26/2012	04/25/2012
SAMPLE TIME		07:30	07:40	09:30	07:50
LAB		EL	EL	EL	EL
LAB NUMBER		1060448009	1100335015	2010303005	2040471016
SAMPLE NUMBER		OTRCRK1106208	OTRCR1110-314	OTRCR1201-145	OCC-1204-515
-- METALS & MINOR CONSTITUENTS --					
MANGANESE (MN)	TRC	6.62			
MERCURY (HG)	DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG)	TOT	<0.00005			
MOLYBDENUM (MO)	DIS	0.129	0.012	0.006	<0.005
MOLYBDENUM (MO)	TRC	0.073			
NICKEL (NI)	DIS	<0.02	0.02	0.02	0.01
NICKEL (NI)	TRC	0.33			
SELENIUM (SE)	DIS	<0.001	<0.001	0.002	<0.001
SELENIUM (SE)	TRC	0.04			
VANADIUM (V)	DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V)	TRC	0.6			
ZINC (ZN)	DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN)	TRC	1.6			

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TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U	B11-U	B11-U	B11-U
SAMPLE DATE	06/24/2011	10/20/2011	01/26/2012	04/25/2012
SAMPLE TIME	07:10	08:00	09:50	08:26
LAB	EL	EL	EL	EL
LAB NUMBER	1060448007	1100335013	2010303004	2040471015
SAMPLE NUMBER	OTRCRK1106206	OTRCR1110-112	OTRCR1201-144	OCC-1204-514
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	176.43	176.34	176.09	176.03
PH (FLD)	8.79	8.65	8.99	8.69
PH	8.8	8.8	8.7	8.3
SODIUM ADSORPTION RATIO	34.1	37.3	37.1	37.0
SC (UMHOS/CM AT 25 C)	931.0	900.0	1000.0	977.0
SC (UMHOS/CM AT 25 C) (FLD)	995.0	1004.0	919.0	989.0
TDS (MEASURED AT 180 C)	614.0	508.0	588.0	622.0
WATER TEMPERATURE (FLD)	13.6	13.1	14.1	18.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0			
SODIUM (NA) DIS	247.0	235.0	237.0	231.0
SODIUM (NA) TRC	242.0			
POTASSIUM (K) DIS	1.0	1.0	1.0	1.0
POTASSIUM (K) TRC	1.0			
TOTAL ALKALINITY AS CACO3	540.0	550.0	500.0	550.0
BICARBONATE (HCO3)	600.0	670.0	550.0	600.0
CARBONATE AS CO3	26.0	<4.0	26.0	36.0
SULFATE (SO4)	2.0	<2.0	<1.0	<1.0
CHLORIDE (CL)	8.0	8.0	9.0	9.0
FLUORIDE (F)	2.0	2.0	1.7	1.6
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.38			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	0.02
				UJ1
PHOSPHORUS (P) TOT	0.179			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.1	<0.1	<0.1	0.2
ALUMINUM (AL) TRC	0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.056	0.058	0.06	0.058
BARIUM (BA) TRC	0.072			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.11	0.11	0.11	0.1
				UJ1
BORON (B) TRC	0.12			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	0.001	<0.001	<0.001
COPPER (CU) TRC	0.002			
IRON (FE) DIS	0.06	0.08	<0.05	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U	B11-U	B11-U	B11-U
SAMPLE DATE	06/24/2011	10/20/2011	01/26/2012	04/25/2012
SAMPLE TIME	07:10	08:00	09:50	08:26
LAB	EL	EL	EL	EL
LAB NUMBER	1060448007	1100335013	2010303004	2040471015
SAMPLE NUMBER	OTRCRK1106206	OTRCR1110-312	OTRCR1201-144	OCC-1204-514
-- METALS & MINOR CONSTITUENTS --				
IRON (FE) TRC	0.48			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0007			
MANGANESE (MN) DIS	0.016	0.008	0.005	0.006
MANGANESE (MN) TRC	0.017			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1	C-1	C-1	C-1
SAMPLE DATE	08/24/2011	10/26/2011	01/26/2012	04/24/2012
SAMPLE TIME	17:20	08:15	13:00	09:05
LAB	EL	EL	EL	EL
LAB NUMBER	1080476014	1100411004	2010303010	2040471008
SAMPLE NUMBER	OTRCR1108-813	OTRCR1110-332	OTRCR1201-150	OCC-1204-507
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	50.3	150.96	151.3	151.5
PH (FLD)	7.54	8.38	8.05	7.84
PH	8.1	6.9	8.1	8.0
SODIUM ADSORPTION RATIO	2.41	1.29	1.22	0.9
SC (UMHOS/CM AT 25 C)	851.0	843.0	921.0	922.0
SC (UMHOS/CM AT 25 C) (FLD)	1023.0	988.0	924.0	909.0
TDS (MEASURED AT 180 C)	615.0	700.0	646.0	700.0
WATER TEMPERATURE (FLD)	17.1	9.8	9.1	12.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	58.0	75.0	66.0	76.0
CALCIUM (CA) TRC	1940.0			
MAGNESIUM (MG) DIS	38.0	47.0	43.0	53.0
MAGNESIUM (MG) TRC	1030.0			
SODIUM (NA) DIS	96.0	58.0	52.0	42.0
SODIUM (NA) TRC	104.0			
POTASSIUM (K) DIS	8.0	7.0	7.0	7.0
POTASSIUM (K) TRC	105.0			
TOTAL ALKALINITY AS CACO3	210.0	180.0	100.0	130.0
BICARBONATE (HCO3)	260.0	220.0	120.0	160.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	290.0	340.0	320.0	360.0
CHLORIDE (CL)	9.0	5.0	3.0	3.0
FLUORIDE (F)	0.8	1.0	1.0	0.9
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	0.19	0.42	0.74	0.74
PHOSPHORUS (P) TOT	0.013			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	397.0			
ARSENIC (AS) DIS	<0.003	0.014	0.012	0.022
ARSENIC (AS) TRC	0.38			
BARIUM (BA) DIS	0.016	0.009	0.012	0.01
BARIUM (BA) TRC	2.0			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.33	0.26	0.24	0.24
BORON (B) TRC	0.86			
CADMIUM (CD) DIS	<0.00008	<0.00008	0.00092	<0.00008
CADMIUM (CD) TRC	0.0121			
CHROMIUM (CR) DIS	<0.001	<0.001	0.001	0.002
CHROMIUM (CR) TRC	0.758			
COPPER (CU) DIS	<0.001	0.001	0.006	0.002
COPPER (CU) TRC	6.8			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	664.0			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.868			
MANGANESE (MN) DIS	0.391	0.098	0.053	0.017

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Typa: Groundwater

SITE CODE	C-1	C-1	C-1	C-1
SAMPLE DATE	08/24/2011	10/26/2011	01/26/2012	04/24/2012
SAMPLE TIME	17:20	08:15	13:00	09:05
LAB	EL	EL	EL	EL
LAB NUMBER	1080476014	1100411004	2010303010	2040471008
SAMPLE NUMBER	OTRCR1108-813	OTRCR1110-332	OTRCR1201-150	OCC-1204-507
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	8.3			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.0023			
MOLYBDENUM (MO) DIS	0.042	0.013	0.007	<0.005
MOLYBDENUM (MO) TRC	0.011			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.9			
SELENIUM (SE) DIS	<0.001	0.001	0.003	0.001
SELENIUM (SE) TRC	0.006			
VANADIUM (V) DIS	<0.1	0.2	0.1	0.3
VANADIUM (V) TRC	3.0			
ZINC (ZN) DIS	<0.01	<0.01	0.01	<0.01
ZINC (ZN) TRC	4.08			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2	C-2	C-2	C-2
SAMPLE DATE	06/29/2011	10/18/2011	01/03/2012	04/26/2012
SAMPLE TIME	17:20	17:45	16:32	09:24
LAB	EL	EL	EL	EL
LAB NUMBER	1070022003	1100344005	2010106005	2040471030
SAMPLE NUMBER	OTRCR1106-050	OTRCR1110-704	OTRCR1201-104	OCC-1204-529
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	40.5	41.52	41.54	41.06
PH (FLD)	7.69	7.49	7.49	7.18
PH	8.1	7.9	7.5	7.7
SODIUM ADSORPTION RATIO	7.79	7.55	7.58	7.28
SC (UMHOS/CM AT 25 C)	2680.0	2480.0	3000.0	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	3010.0	2960.0	3050.0	3030.0
TDS (MEASURED AT 180 C)	1920.0	2190.0	2440.0	2140.0
WATER TEMPERATURE (FLD)	12.8	11.1	10.3	13.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	68.0	69.0	72.0	72.0
CALCIUM (CA) TRC	71.0			
MAGNESIUM (MG) DIS	111.0	113.0	115.0	116.0
MAGNESIUM (MG) TRC	116.0			
SODIUM (NA) DIS	449.0	437.0	445.0	429.0
SODIUM (NA) TRC	456.0			
POTASSIUM (K) DIS	23.0	23.0	22.0	22.0
POTASSIUM (K) TRC	24.0			
TOTAL ALKALINITY AS CACO3	660.0	670.0	660.0	670.0
BICARBONATE (HCO3)	800.0	810.0	810.0	790.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	13.0
SULFATE (SO4)	820.0	950.0	860.0	960.0
CHLORIDE (CL)	26.0	25.0	25.0	29.0
FLUORIDE (F)	1.3	1.1	1.2	1.0
HYDROXIDE (OH)	<4.0	<4.0	<1.0	<4.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	3.84	4.72	5.3	6.08
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.8			
ARSENIC (AS) DIS	0.004	0.003	0.004	0.003
ARSENIC (AS) TRC	0.004			
BARIUM (BA) DIS	0.058	0.058	0.056	0.057
BARIUM (BA) TRC	0.118			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.4	0.39	0.45	0.41
BORON (B) TRC	0.42			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	0.002	0.002	0.002	0.003
CHROMIUM (CR) TRC	0.003			
COPPER (CU) DIS	<0.001	<0.001	0.002	0.002
COPPER (CU) TRC	0.003			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.32			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0006			
MANGANESE (MN) DIS	0.032	0.015	0.019	0.016
MANGANESE (MN) TRC	0.047			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2	C-2	C-2	C-2
SAMPLE DATE	06/29/2011	10/18/2011	01/03/2012	04/26/2012
SAMPLE TIME	17:20	17:45	16:32	09:24
LAB	EL	EL	EL	EL
LAB NUMBER	1070022003	1100344005	2010106005	2040471030
SAMPLE NUMBER	OTRCR1106-050	OTRCR1110-704	OTRCR1201-104	OCC-1204-529
-- METALS & MINOR CONSTITUENTS --				
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	0.015	0.017	0.021	0.02
SELENIUM (SE) TRC	0.015			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3	C-3	C-3	C-3
SAMPLE DATE	06/22/2011	10/18/2011	01/04/2012	05/02/2012
SAMPLE TIME	16:45	15:20	11:10	16:34
LAB	EL	EL	EL	EL
LAB NUMBER	1060450016	1100344002	2010106012	2050095015
SAMPLE NUMBER	OTRCR1106-016	OTRCR1110-701	OTRCR1201-111	OCC-1205-554
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	104.43	104.49	104.39	104.18
PH (FLD)	7.66	7.77	7.75	7.7
PH	8.2	7.9	7.6	7.5
SODIUM ADSORPTION RATIO	6.38	6.41	6.35	6.56
SC (UMHOS/CM AT 25 C)	3160.0	2890.0	3500.0	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	3570.0	3480.0	3600.0	3325.0
TDS (MEASURED AT 180 C)	2740.0	2500.0	2430.0	2650.0
WATER TEMPERATURE (FLD)	13.3	12.6	12.5	13.9
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	100.0	109.0	108.0	114.0
CALCIUM (CA) TRC	100.0			
MAGNESIUM (MG) DIS	172.0	180.0	169.0	179.0
MAGNESIUM (MG) TRC	174.0			
SODIUM (NA) DIS	454.0	469.0	454.0	483.0
SODIUM (NA) TRC	459.0			
POTASSIUM (K) DIS	21.0	22.0	22.0	23.0
POTASSIUM (K) TRC	21.0			
TOTAL ALKALINITY AS CACO3	620.0	620.0	620.0	630.0
BICARBONATE (HCO3)	760.0	760.0	760.0	770.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	1300.0	1400.0	1400.0	1500.0
CHLORIDE (CL)	12.0	11.0	13.0	14.0
FLUORIDE (F)	0.8	0.8	0.8	0.7
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.067			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.016	0.015	0.015	0.015
BARIUM (BA) TRC	0.017			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.47	0.49	0.53	0.45
BORON (B) TRC	0.48			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.001	0.001	0.001	0.002
COPPER (CU) TRC	0.004			
IRON (FE) DIS	2.47	3.99	4.54	4.95
IRON (FE) TRC	7.77			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3	C-3	C-3	C-3
SAMPLE DATE	06/22/2011	10/18/2011	01/04/2012	05/02/2012
SAMPLE TIME	16:45	15:20	11:10	16:34
LAB	EL	EL	EL	EL
LAB NUMBER	1060450016	1100344002	2010106012	2050095015
SAMPLE NUMBER	OTRCR1106-016	OTRCR1110-701	OTRCR1201-111	OCC-1205-554
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0006			
MANGANESE (MN) DIS	0.367	0.45	0.511	0.478
MANGANESE (MN) TRC	0.385			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4	C-4	C-4	C-4
SAMPLE DATE	06/22/2011	10/21/2011	01/26/2012	04/25/2012	04/25/2012
SAMPLE TIME	13:50	09:16	08:15	09:24	09:26
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060450013	1100335029	2010303008	2040471017	2040471018
REMARKS					DUPLICATE
SAMPLE NUMBER	OTRCR1106-013	OTRCR1110-328	OTRCR1201-148	OCC-1204-516	OCC-1204-517
-- PHYSICAL PARAMETERS --					
DEPTH TO WATER LEVEL (FEET)	69.12	70.91	71.15	70.49	
PH (FLD)	7.62	7.24	7.72	7.55	
PH	8.4	7.9	7.6	7.5	7.5
SODIUM ADSORPTION RATIO	7.56	7.08	7.17	6.93	7.02
SC (UMHOS/CM AT 25 C)	3740.0	3590.0	4240.0	4200.0	4100.0
SC (UMHOS/CM AT 25 C) (FLD)	4220.0	4262.0	4011.0	4070.0	
TDS (MEASURED AT 180 C)	3280.0	3040.0	3270.0	3300.0	3300.0
WATER TEMPERATURE (FLD)	13.1	12.4	11.7	13.1	
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	125.0	139.0	139.0	134.0	138.0
CALCIUM (CA) TRC	123.0				
MAGNESIUM (MG) DIS	211.0	217.0	216.0	212.0	219.0
MAGNESIUM (MG) TRC	203.0				
SODIUM (NA) DIS	596.0	572.0	579.0	553.0	569.0
SODIUM (NA) TRC	576.0				
POTASSIUM (K) DIS	19.0	20.0	20.0	19.0	20.0
POTASSIUM (K) TRC	18.0				
TOTAL ALKALINITY AS CACO3	690.0	700.0	690.0	710.0	710.0
BICARBONATE (HCO3)	850.0	850.0	840.0	860.0	860.0
CARBONATE AS CO3	<4.0	<4.0	<1.0	<1.0	<1.0
SULFATE (SO4)	1600.0	1800.0	1600.0	1800.0	1800.0
CHLORIDE (CL)	15.0	15.0	17.0	17.0	17.0
FLUORIDE (F)	0.7	0.7	0.8	0.7	0.6
HYDROXIDE (OH)		<4.0	<1.0	<4.0	<4.0
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.063				
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1				
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003				
BARIUM (BA) DIS	0.024	0.022	0.023	0.022	0.023
BARIUM (BA) TRC	0.024				
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001				
BORON (B) DIS	0.33	0.34	0.35	0.35	0.36
BORON (B) TRC	0.33				
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008				
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001				
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001				
IRON (FE) DIS	1.2	1.03	1.54	1.38	1.42
IRON (FE) TRC	1.52				
	J4D				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4	C-4	C-4	C-4
SAMPLE DATE	06/22/2011	10/21/2011	01/26/2012	04/25/2012	04/25/2012
SAMPLE TIME	13:50	09:16	08:15	09:24	09:26
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1060450013	1100335029	2010303008	2040471017	2040471018
REMARKS					DUPLICATE
SAMPLE NUMBER	OTRCR1106-013	OTRCR1110-328	OTRCR1201-148	OCC-1204-516	OCC-1204-517
-- METALS & MINOR CONSTITUENTS --					
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005				
MANGANESE (MN) DIS	0.358	0.348	0.366	0.378	0.373
MANGANESE (MN) TRC	0.351				
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001				
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005				
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01				
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001				
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1				
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01				

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1	K-1	K-1	K-1
SAMPLE DATE	06/22/2011	10/21/2011	01/25/2012	04/24/2012
SAMPLE TIME	15:35	08:18	09:25	13:46
LAB	EL	EL	EL	EL
LAB NUMBER	1060450015	1100335028	2010303007	2040471012
SAMPLE NUMBER	OTRCR1106-015	OTRCR1110-327	OTRCR1201-147	OCC-1204-511
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	71.58	73.79	73.75	73.32
PH (FLD)	8.38	8.32	8.58	8.29
PH	8.7	8.5	8.4	8.2
SODIUM ADSORPTION RATIO	39.2	38.8	41.6	36.1
SC (UMHOS/CM AT 25 C)	1460.0	1470.0	1670.0	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	1667.0	1629.0	1608.0	1290.0
TDS (MEASURED AT 180 C)	1010.0	932.0	1010.0	940.0
WATER TEMPERATURE (FLD)	15.0	14.1	11.9	16.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	4.0	4.0	4.0	4.0
CALCIUM (CA) TRC	4.0			
MAGNESIUM (MG) DIS	2.0	2.0	2.0	2.0
MAGNESIUM (MG) TRC	2.0			
SODIUM (NA) DIS	390.0	380.0	388.0	364.0
SODIUM (NA) TRC	388.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	820.0	820.0	830.0	830.0
BICARBONATE (HCO3)	920.0	950.0	940.0	920.0
CARBONATE AS CO3	41.0	28.0	37.0	43.0
SULFATE (SO4)	53.0	63.0	64.0	40.0
CHLORIDE (CL)	9.0	9.0	10.0	10.0
FLUORIDE (F)	1.3	1.3	1.3	1.4
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.63			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.141			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.143	0.138	0.148	0.123
BARIUM (BA) TRC	0.148			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.09	0.09	0.09	0.09
BORON (B) TRC	0.09			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.07	0.05	0.06	<0.05
IRON (FE) TRC	0.24			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1	K-1	K-1	K-1
SAMPLE DATE	06/22/2011	10/21/2011	01/25/2012	04/24/2012
SAMPLE TIME	15:35	08:18	09:25	13:46
LAB	EL	EL	EL	EL
LAB NUMBER	1060450015	1100335028	2010303007	2040471012
SAMPLE NUMBER	OTRCR1106-015	OTRCR1110-327	OTRCR1201-147	OCC-1204-511
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.008	0.006	0.006	<0.005
MANGANESE (MN) TRC	0.006			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2	K-2	K-2	K-2
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	08:50	09:30	09:38	11:12
LAB	EL	EL	EL	EL
LAB NUMBER	1060450007	1100414001	2011023019	2050095010
SAMPLE NUMBER	OTRCR1106-007	OTRCR1110-750	OTRCR1201-138	OCC-1205-549
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	59.34	61.75	61.69	61.0
PH (FLD)	8.56	8.87	8.66	8.76
PH	8.8	8.8	8.4	8.2
SODIUM ADSORPTION RATIO	41.6	39.2	41.8	40.2
SC (UMHOS/CM AT 25 C)	1020.0	937.0	1100.0	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1175.0	1146.0	1070.0	1080.0
TDS (MEASURED AT 180 C)	696.0	666.0	655.0	696.0
WATER TEMPERATURE (FLD)	14.5	13.5	13.1	15.5
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	3.0	2.0	2.0
CALCIUM (CA) TRC	2.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0			
SODIUM (NA) DIS	280.0	273.0	282.0	273.0
SODIUM (NA) TRC	280.0			
POTASSIUM (K) DIS	1.0	2.0	2.0	1.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	600.0	620.0	594.0	620.0
BICARBONATE (HCO3)	680.0	710.0	660.0	680.0
CARBONATE AS CO3	25.0	22.0	32.0	40.0
SULFATE (SO4)	8.0	10.0	13.0	14.0
CHLORIDE (CL)	8.0	8.0	7.0	8.0
FLUORIDE (F)	1.4	1.2	1.4	1.3
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.3			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.139			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.09	0.09	0.09	0.096
BARIUM (BA) TRC	0.094			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.1	0.1	0.09	0.09
				UJ1
BORON (B) TRC	0.1			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00000			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	0.05			
	J4D			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2	K-2	K-2	K-2
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	08:50	09:30	09:38	11:12
LAB	EL	EL	EL	EL
LAB NUMBER	1060450007	1100414001	2011023019	2050095010
SAMPLE NUMBER	OTRCR1106-007	OTRCR1110-750	OTRCR1201-138	OCC-1205-549
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.024	0.018	0.012	0.012
MANGANESE (MN) TRC	0.02			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3	K-3	K-3	K-3
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	09:53	11:20	10:14	13:20
LAB	EL	EL	EL	EL
LAB NUMBER	1060450008	1100414004	2011023020	2050095013
SAMPLE NUMBER	OTRCR1106-008	OTRCR1110-753	OTRCR1201-139	OCC-1205-552
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	57.44	57.34	57.26	57.17
PH (FLD)	7.05	7.08	6.49	6.67
PH	7.7	8.0	7.3	7.0
SODIUM ADSORPTION RATIO	3.57	3.59	3.49	3.18
SC (UMHOS/CM AT 25 C)	1930.0	1720.0	1960.0	2030.0
SC (UMHOS/CM AT 25 C) (FLD)	2130.0	2110.0	1882.0	1968.0
TDS (MEASURED AT 180 C)	1440.0	1480.0	1400.0	1450.0
WATER TEMPERATURE (FLD)	17.1	13.3	14.8	16.1
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	136.0	173.0	142.0	142.0
CALCIUM (CA) TRC	147.0			
MAGNESIUM (MG) DIS	90.0	91.0	90.0	95.0
MAGNESIUM (MG) TRC	95.0			
SODIUM (NA) DIS	219.0	234.0	216.0	200.0
SODIUM (NA) TRC	232.0			
POTASSIUM (K) DIS	5.0	6.0	5.0	5.0
POTASSIUM (K) TRC	6.0			
TOTAL ALKALINITY AS CACO3	640.0	630.0	605.0	610.0
BICARBONATE (HCO3)	770.0	770.0	738.0	750.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	520.0	570.0	589.0	580.0
CHLORIDE (CL)	12.0	13.0	11.0	13.0
FLUORIDE (F)	0.6	0.5	0.6	0.5
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.32			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.025			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	1.8			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.041	0.039	0.027	0.025
BARIUM (BA) TRC	0.070			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.33	0.34	0.29	0.3
BORON (B) TRC	0.36			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.001			
COPPER (CU) DIS	<0.001	0.001	<0.001	<0.001
COPPER (CU) TRC	0.007			
IRON (FE) DIS	1.75	1.77	0.85	0.79
IRON (FE) TRC	3.56			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3	K-3	K-3	K-3
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	09:53	11:20	10:14	13:20
LAB	EL	EL	EL	EL
LAB NUMBER	1060450008	1100414004	2011023020	2050095013
SAMPLE NUMBER	OTRCR1106-008	OTRCR1110-753	OTRCR1201-139	OCC-1205-552
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0024			
MANGANESE (MN) DIS	0.336	0.229	0.113	0.102
MANGANESE (MN) TRC	0.362			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	0.02	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.03			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4	K-4	K-4	K-4
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	10:27	10:50	10:58	12:52
LAB	EL	EL	EL	EL
LAB NUMBER	1060448002	1100414003	2011023021	2050095012
SAMPLE NUMBER	OTRCRK1106201	OTRCR1110-752	OTRCR1201-140	OCC-120S-551
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	50.23	52.75	52.7	52.03
PH (FLD)	8.91	8.89	8.74	8.75
PH	8.8	8.8	8.5	8.4
SODIUM ADSORPTION RATIO	32.2	40.4	41.3	40.5
SC (UMHOS/CM AT 25 C)	1020.0	909.0	1060.0	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1085.0	1119.0	1039.0	1048.0
TDS (MEASURED AT 180 C)	664.0	654.0	659.0	694.0
WATER TEMPERATURE (FLD)	19.4	14.3	12.9	16.8
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	3.0			
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	244.0	254.0	261.0	248.0
SODIUM (NA) TRC	246.0			
POTASSIUM (K) DIS	1.0	1.0	1.0	1.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	430.0	450.0	450.0	440.0
BICARBONATE (HCO3)	500.0	510.0	502.0	480.0
CARBONATE AS CO3	15.0	19.0	23.0	29.0
SULFATE (SO4)	100.0	120.0	127.0	120.0
CHLORIDE (CL)	7.0	9.0	8.0	8.0
FLUORIDE (F)	2.0	1.4	1.5	2.0
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.46			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.129			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	0.3	<0.1	0.4	0.4
ALUMINUM (AL) TRC	3.1			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.023	0.02	0.022	0.017
BARIUM (BA) TRC	0.088			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.11	0.12	0.1	0.11
BORON (B) TRC	0.12			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	0.002
CHROMIUM (CR) TRC	0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.002			
IRON (FE) DIS	0.15	0.05	0.13	0.16
IRON (FE) TRC	2.04			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4	K-4	K-4	K-4
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	10:27	10:50	10:58	12:52
LAB	EL	EL	EL	EL
LAB NUMBER	1060448002	1100414003	2011023021	2050095012
SAMPLE NUMBER	OTRCRK1106201	OTRCR1110-752	OTRCR1201-140	OCC-1205-551
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0035			
MANGANESE (MN) DIS	0.046	0.027	0.023	0.028
MANGANESE (MN) TRC	0.081			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5	K-5	K-5	K-5
SAMPLE DATE	06/22/2011	10/21/2011	01/24/2012	04/24/2012
SAMPLE TIME	14:30	10:05	17:07	17:23
LAB	EL	EL	EL	EL
LAB NUMBER	1060450014	1100335030	2010303006	2040471014
SAMPLE NUMBER	OTRCR1106-014	OTRCR1110-329	OTRCR1201-146	OCC-1204-513
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	104.44	105.21	105.57	105.26
PH (FLD)	8.02	7.66	8.21	7.9
PH	8.6	8.2	8.2	7.8
SODIUM ADSORPTION RATIO	38.7	43.4	43.4	44.6
SC (UMHOS/CM AT 25 C)	1170.0	1180.0	1320.0	1290.0
SC (UMHOS/CM AT 25 C) (FLD)	1320.0	1311.0	1261.0	1020.0
TDS (MEASURED AT 180 C)	806.0	766.0	784.0	820.0
WATER TEMPERATURE (FLD)	13.7	13.7	12.5	14.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	2.0	2.0	2.0	2.0
CALCIUM (CA) TRC	2.0			
MAGNESIUM (MG) DIS	1.0	1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	1.0			
SODIUM (NA) DIS	306.0	315.0	311.0	311.0
SODIUM (NA) TRC	311.0			
POTASSIUM (K) DIS	2.0	2.0	2.0	2.0
POTASSIUM (K) TRC	2.0			
TOTAL ALKALINITY AS CACO3	720.0	730.0	670.0	750.0
BICARBONATE (HCO3)	840.0	860.0	780.0	860.0
CARBONATE AS CO3	18.0	12.0	21.0	27.0
SULFATE (SO4)	<2.0	<2.0	<1.0	<1.0
CHLORIDE (CL)	8.0	8.0	9.0	9.0
FLUORIDE (F)	1.4	1.4	1.4	1.3
HYDROXIDE (OH)		<4.0	<1.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.22			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.115			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.3			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.096	0.102	0.103	0.104
BARIUM (BA) TRC	0.101			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.16	0.16	0.16	0.16
BORON (B) TRC	0.16			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001			
IRON (FE) DIS	0.21	0.11	0.19	0.23
IRON (FE) TRC	0.36			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5	K-5	K-5	K-5
SAMPLE DATE	06/22/2011	10/21/2011	01/24/2012	04/24/2012
SAMPLE TIME	14:30	10:05	17:07	17:23
LAB	EL	EL	EL	EL
LAB NUMBER	1060450014	1100335030	2010303006	2040471014
SAMPLE NUMBER	OTRCR1106-014	OTRCR1110-329	OTRCR1201-146	OCC-1204-513
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	<0.0005			
MANGANESE (MN) DIS	0.11	0.031	0.032	0.035
MANGANESE (MN) TRC	0.096			
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6	K-6	K-6	K-6
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	09:05	10:00	08:51	11:53
LAB	EL	EL	EL	EL
LAB NUMBER	1060448001	1100414002	2011023018	2050095011
SAMPLE NUMBER	OTRCRK1106200	OTRCR1110-751	OTRCR1201-137	OCC-1205-550
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	73.02	72.44	71.98	72.05
PH (FLD)	7.57	7.33	7.09	7.26
PH	8.4	8.1	7.6	7.5
SODIUM ADSORPTION RATIO	12.1	12.1	13.4	12.5
SC (UMHOS/CM AT 25 C)	3140.0	3030.0	3520.0	3490.0
SC (UMHOS/CM AT 25 C) (FLD)	3273.0	3550.0	3452.0	3347.0
TDS (MEASURED AT 180 C)	2310.0	2390.0	2530.0	2470.0
WATER TEMPERATURE (FLD)	13.9	11.6	12.1	15.0
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	73.0	104.0	87.0	84.0
CALCIUM (CA) TRC	75.0			
MAGNESIUM (MG) DIS	72.0	82.0	81.0	80.0
MAGNESIUM (MG) TRC	73.0			
SODIUM (NA) DIS	624.0	681.0	721.0	667.0
SODIUM (NA) TRC	608.0			
POTASSIUM (K) DIS	6.0	8.0	8.0	7.0
POTASSIUM (K) TRC	6.0			
TOTAL ALKALINITY AS CACO3	900.0	950.0	944.0	960.0
BICARBONATE (HCO3)	1100.0	1200.0	1150.0	1200.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	880.0	1000.0	1200.0	1100.0
CHLORIDE (CL)	14.0	180.0	14.0	16.0
FLUORIDE (F)	0.8	0.8	0.8	0.8
HYDROXIDE (OH)		<4.0	<4.0	<4.0
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	0.9			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	0.035			
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.01	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	0.3			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003			
BARIUM (BA) DIS	0.031	0.024	0.023	0.021
BARIUM (BA) TRC	0.037			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001			
BORON (B) DIS	0.22	0.23	0.2	0.21
BORON (B) TRC	0.23			
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008			
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001			
COPPER (CU) DIS	0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	0.001			
IRON (FE) DIS	0.89	0.88	0.66	0.64
IRON (FE) TRC	1.12			
	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6	K-6	K-6	K-6
SAMPLE DATE	06/22/2011	10/25/2011	01/13/2012	05/02/2012
SAMPLE TIME	09:05	10:00	08:51	11:53
LAB	EL	EL	EL	EL
LAB NUMBER	1060448001	1100414002	2011023018	2050095011
SAMPLE NUMBER	OTRCRK1106200	OTRCR1110-751	OTRCR1201-137	OCC-1205-550
-- METALS & MINOR CONSTITUENTS --				
LEAD (PB) TRC	0.0016			
MANGANESE (MN) DIS	0.294	0.16	0.099	0.09
MANGANESE (MN) TRC	0.294			
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005			
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01			
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001			
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1			
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01			

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	SECTION 33 SP	SECTION 33 SP
SAMPLE DATE	10/26/2011	05/03/2012
SAMPLE TIME	09:10	16:10
LAB	EL	EL
LAB NUMBER	1100409008	2050095029
SAMPLE NUMBER	OTRCR1110-761	OCC-1205-710
-- PHYSICAL PARAMETERS --		
PH (FLD)	8.46	8.31
PH	8.6	8.1
SODIUM ADSORPTION RATIO	69.1	68.4
SC (UMHOS/CM AT 25 C)	2240.0	2400.0
SC (UMHOS/CM AT 25 C) (FLD)	2530.0	2355.0
TDS (MEASURED AT 180 C)	1380.0	1450.0
TOTAL SUSPENDED SOLIDS	<4.0	<4.0
TURBIDITY (NTU)	0.5	<0.2
	J4D	
WATER TEMPERATURE (FLD)	13.3	15.2
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	4.0	3.0
CALCIUM (CA) TRC	4.0	4.0
MAGNESIUM (MG) DIS	1.0	1.0
MAGNESIUM (MG) TRC	1.0	1.0
SODIUM (NA) DIS	594.0	573.0
SODIUM (NA) TRC	595.0	566.0
POTASSIUM (K) DIS	3.0	2.0
POTASSIUM (K) TRC	3.0	2.0
TOTAL ALKALINITY AS CACO3	1100.0	1100.0
BICARBONATE (HCO3)	1300.0	1300.0
CARBONATE AS CO3	37.0	46.0
SULFATE (SO4)	<5.0	<1.0
CHLORIDE (CL)	190.0	190.0
FLUORIDE (F)	5.0	5.0
-- NUTRIENTS --		
TOTAL AMMONIA (NH3+NH4 AS N)	0.4	
NITRATE + NITRITE AS N	<0.01	<0.01
PHOSPHORUS (P) TOT	0.018	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.269	0.269
BARIUM (BA) TRC	0.274	0.273
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.33	0.3
BORON (B) TRC	0.34	0.32
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001
IRON (FE) DIS	0.05	<0.05
IRON (FE) TRC	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	SECTION 33 SP	SECTION 33 SP
SAMPLE DATE	10/26/2011	05/03/2012
SAMPLE TIME	09:10	16:10
LAB	EL	EL
LAB NUMBER	1100409008	2050095029
SAMPLE NUMBER	OTRCR1110-761	OCC-1205-710
-- METALS & MINOR CONSTITUENTS --		
LEAD (PB) TRC	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005
	UJ4D	
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1	P1	P1	P1	P1	P1
SAMPLE DATE	10/27/2010	06/24/2011	10/21/2011	02/07/2012	05/03/2012	05/03/2012
SAMPLE TIME	15:30	08:00	09:00	14:40	07:45	07:48
LAB	PACE	EL	EL	EL	EL	EL
LAB NUMBER		1060450021	1100333011	2020104002	2050095019	2050095020
REMARKS						DUPLICATE
SAMPLE NUMBER	OTC-1010-101	OTRCR1106-021	OTRCR1110-715	OCC-1202-901	OCC-1205-700	OCC-1205-701
-- PHYSICAL PARAMETERS --						
PH (FLD)	9.03	7.66	8.0	8.01	7.7	7.55
PH	8.7	8.0	8.0	7.9	7.4	7.5
SODIUM ADSORPTION RATIO	10.2	10.7	16.6	13.2	9.14	9.14
SC (UMHOS/CM AT 25 C)	1240.0	4240.0	5700.0	3950.0	2460.0	2460.0
SC (UMHOS/CM AT 25 C) (FLD)	1200.0	4820.0	6420.0	3650.0	2380.0	2132.0
TDS (MEASURED AT 180 C)	870.0	4050.0	5170.0	2960.0	1800.0	1820.0
TOTAL SUSPENDED SOLIDS	86.9	14.0	28.0	20.0	10.0	14.0
TURBIDITY (NTU)	110.0	5.3	15.1	9.0	9.5	7.8
			H			
WATER TEMPERATURE (FLD)	5.7	10.6	7.2	0.0	9.2	8.6
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS		136.0	91.0	61.0	65.0	66.0
CALCIUM (CA) TRC	22.0	141.0	91.0	66.0	66.0	65.0
MAGNESIUM (MG) DIS		151.0	211.0	98.0	56.0	57.0
MAGNESIUM (MG) TRC	18.0	149.0	206.0	101.0	57.0	57.0
SODIUM (NA) DIS		765.0	1260.0	715.0	417.0	419.0
SODIUM (NA) TRC	266.0	793.0	1260.0	740.0	434.0	429.0
POTASSIUM (K) DIS		11.0	27.0	18.0	17.0	17.0
POTASSIUM (K) TRC	10.0	11.0	27.0	19.0	17.0	17.0
TOTAL ALKALINITY AS CACO3	440.0	270.0	470.0	290.0	480.0	480.0
TOTAL ACIDITY AS CACO3	<5.0					
BICARBONATE (HCO3)	421.0	330.0	570.0	360.0	590.0	590.0
CARBONATE AS CO3	18.3	<4.0	<4.0	<1.0	<1.0	<1.0
SULFATE (SO4)	261.0	2200.0	3400.0	1700.0	880.0	880.0
CHLORIDE (CL)	4.5	<5.0	10.0	9.0	9.0	9.0
FLUORIDE (F)	0.61	0.4	0.4	0.3	0.3	0.4
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)		<0.05	<0.05			
NITRATE + NITRITE AS N	0.12	<0.01	0.03	0.27		<0.01
			UJ1			
PHOSPHORUS (P) TOT		0.027	0.152			
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS		<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	189.0	0.1	0.9	0.2	0.2	0.1
ARSENIC (AS) DIS		<0.003	0.007	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.0035	<0.003	0.008	<0.003	<0.003	<0.003
BARIUM (BA) DIS		0.095	0.038	0.025	0.042	0.042
BARIUM (BA) TRC	0.11	0.098	0.05	0.028	0.045	0.042
BERYLLIUM (BE) DIS		NR	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR	NR	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS		0.08	0.05	0.03	0.03	0.03
					UJ1	
BORON (B) TRC	0.0378	0.07	0.05	0.03	0.03	0.03
					UJ1	
CADMIUM (CD) DIS		<0.00008	<0.00008	<0.00008	<0.00008	<0.00008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1	P1	P1	P1	P1	P1
SAMPLE DATE	10/27/2010	06/24/2011	10/21/2011	02/07/2012	05/03/2012	05/03/2012
SAMPLE TIME	15:30	08:00	09:00	14:40	07:45	07:48
LAB	PACE	EL	EL	EL	EL	EL
LAB NUMBER		1060450021	1100333011	2020104002	2050095019	2050095020
REMARKS						DUPLICATE
SAMPLE NUMBER	OTC-1010-101	OTRCR1106-021	OTRCR1110-715	OCC-1202-901	OCC-1205-700	OCC-1205-701
-- METALS & MINOR CONSTITUENTS --						
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS		<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.0027	<0.001	0.002	<0.001	<0.001	<0.001
COPPER (CU) DIS		<0.001	<0.001	0.005	<0.001	<0.001
COPPER (CU) TRC	0.0055	<0.001	0.003	0.006	0.001	0.001
IRON (FE) DIS		0.14	0.16	0.26	0.67	0.67
IRON (FE) TRC	2.71	0.43	1.53	0.74	1.1	1.0
LEAD (PB) DIS		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0024	<0.0005	0.0012	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS		0.356	0.542	0.317	0.339	0.336
MANGANESE (MN) TRC	0.234	0.374	0.598	0.331	0.359	0.349
MERCURY (HG) DIS		<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00000834	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS		<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.0037	<0.005	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS		<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.013	<0.01	<0.01	0.01	<0.01	<0.01
SELENIUM (SE) DIS		<0.001	0.008	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	0.001	0.003	<0.001	<0.001	<0.001
VANADIUM (V) DIS		<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	0.0058	<0.1	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS		<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	0.0118	<0.01	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P2	P2	P2	P2
SAMPLE DATE	10/27/2010	06/24/2011	10/25/2011	05/03/2012
SAMPLE TIME	13:35	07:40	14:30	13:30
LAB	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER		1060448015		
REMARKS	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTC-1010-104	OTRCRK1106214	OTRCR1110-773	OCC-1205-716
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	DRY	NO FLOW	DRY	DRY
PH (FLD)		7.77		
PH		8.0		
SODIUM ADSORPTION RATIO		16.8		
SC (UMHOS/CM AT 25 C)		12300.0		
SC (UMHOS/CM AT 25 C) (FLD)		12040.0		
TDS (MEASURED AT 180 C)		11600.0		
TOTAL SUSPENDED SOLIDS		320.0		
TURBIDITY (NTU)		351.0		
WATER TEMPERATURE (FLD)		15.8		
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS		334.0		
CALCIUM (CA) TRC		340.0		
MAGNESIUM (MG) DIS		600.0		
MAGNESIUM (MG) TRC		608.0		
SODIUM (NA) DIS		2220.0		
SODIUM (NA) TRC		2270.0		
POTASSIUM (K) DIS		26.0		
POTASSIUM (K) TRC		26.0		
TOTAL ALKALINITY AS CACO3		340.0		
BICARBONATE (HCO3)		420.0		
CARBONATE AS CO3		<4.0		
SULFATE (SO4)		8000.0		
CHLORIDE (CL)		27.0		
FLUORIDE (F)		0.4		
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)		<0.1		
NITRATE + NITRITE AS N		<0.01		
PHOSPHORUS (P) TOT		0.052		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS		<0.1		
ALUMINUM (AL) TRC		0.5		
ARSENIC (AS) DIS		<0.003		
ARSENIC (AS) TRC		<0.003		
BARIUM (BA) DIS		0.029		
BARIUM (BA) TRC		0.036		
BERYLLIUM (BE) DIS		<0.001		
BERYLLIUM (BE) TRC		<0.001		
BORON (B) DIS		0.27		
BORON (B) TRC		0.28		
CADMIUM (CD) DIS		<0.00008		
CADMIUM (CD) TRC		<0.00008		
CHROMIUM (CR) DIS		<0.001		
CHROMIUM (CR) TRC		<0.001		
COPPER (CU) DIS		0.004		
COPPER (CU) TRC		0.006		
IRON (FE) DIS		0.05		
IRON (FE) TRC		0.54		
LEAD (PB) DIS		<0.0005		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P2	P2	P2	P2
SAMPLE DATE	10/27/2010	06/24/2011	10/25/2011	05/03/2012
SAMPLE TIME	13:35	07:40	14:30	13:30
LAB	HYDRO	EL	HYDRO	HYDRO
LAB NUMBER		1060448015		
REMARKS	NO SAMPLE		NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OTC-1010-104	OTRCRK1106214	OTRCR1110-773	OCC-1205-716

-- METALS & MINOR CONSTITUENTS --

LEAD	(PB)	TRC			<0.0005	
MANGANESE	(MN)	DIS			1.19	
MANGANESE	(MN)	TRC			0.834	
MERCURY	(HG)	DIS			<0.00005	
MERCURY	(HG)	TOT			<0.00005	
MOLYBDENUM	(MO)	DIS			<0.005	
MOLYBDENUM	(MO)	TRC			<0.005	
NICKEL	(NI)	DIS			0.02	
NICKEL	(NI)	TRC			0.02	
SELENIUM	(SE)	DIS			0.004	
SELENIUM	(SE)	TRC			0.004	
VANADIUM	(V)	DIS			<0.1	
VANADIUM	(V)	TRC			<0.1	
ZINC	(ZN)	DIS			<0.01	
ZINC	(ZN)	TRC			<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; E:Rejected.

Sample Type: POND

SITE CODE	P3	P3	P3	P3	P3	P3
SAMPLE DATE	10/27/2010	06/24/2011	10/21/2011	02/07/2012	05/03/2012	05/24/2012
SAMPLE TIME	17:00	08:45	07:30	15:30	08:30	09:56
LAB	PACE	EL	EL	EL	EL	HYDRO
LAB NUMBER		1060450022	1100333009	2020104003	2050095021	
REMARKS						NO SAMPLE
SAMPLE NUMBER	OTC-1010-102	OTRCR1106-022	OTRCR1110-713	OCC-1202-902	OCC-1205-702	OCC-1205-613
-- PHYSICAL PARAMETERS --						
FLOW (cfs)						DRY
PH (FLD)	8.56	7.93	9.27	7.17		
PH	8.4	8.2	8.0	7.1	7.2	
SODIUM ADSORPTION RATIO	0.69	2.6	6.02	0.96	2.98	
SC (UMHOS/CM AT 25 C)	407.0	1420.0	2400.0	372.0	2160.0	
SC (UMHOS/CM AT 25 C) (FLD)	464.0	1800.0	2600.0	NA		
TDS (MEASURED AT 180 C)	269.0	1180.0	2180.0	278.0	1760.0	
TOTAL SUSPENDED SOLIDS	31.0	14.0	68.0	12.0	144.0	
TURBIDITY (NTU)	34.1	6.7	39.8	13.3	8.0	
			H			
WATER TEMPERATURE (FLD)	5.2	23.5	6.3	0.0		
-- MAJOR CONSTITUENTS --						
CALCIUM (CA) DIS		102.0	102.0	30.0	190.0	
CALCIUM (CA) TRC	37.2	96.0	101.0	30.0	158.0	
MAGNESIUM (MG) DIS		57.0	95.0	12.0	73.0	
MAGNESIUM (MG) TRC	16.6	57.0	92.0	12.0	77.0	
SODIUM (NA) DIS		133.0	352.0	24.0	191.0	
SODIUM (NA) TRC	203.0	131.0	356.0	20.0	203.0	
POTASSIUM (K) DIS		12.0	43.0	12.0	40.0	
POTASSIUM (K) TRC	169.0	12.0	44.0	12.0	38.0	
TOTAL ALKALINITY AS CACO3	171.0	130.0	130.0	54.0	120.0	
TOTAL ACIDITY AS CACO3	<5.0					
BICARBONATE (HCO3)	171.0	150.0	160.0	66.0	140.0	
CARBONATE AS CO3	<0.005	<4.0	<4.0	<1.0	<1.0	
SULFATE (SO4)	36.5	680.0	1200.0	97.0	1100.0	
CHLORIDE (CL)	4.7	5.0	30.0	3.0	23.0	
FLUORIDE (F)	<0.3	0.1	0.1	<0.1	0.1	
-- NUTRIENTS --						
TOTAL AMMONIA (NH3+NH4 AS N)		0.27	<0.05			
NITRATE + NITRITE AS N	0.01	0.12	0.03	0.18	0.23	
			UJ1			
PHOSPHORUS (P) TOT		0.038	0.246			
-- METALS & MINOR CONSTITUENTS --						
ALUMINUM (AL) DIS		<0.1	<0.1	0.2	<0.1	
ALUMINUM (AL) TRC	0.541	0.1	0.3	0.4	0.2	
ARSENIC (AS) DIS		<0.003	0.005	<0.003	<0.003	
ARSENIC (AS) TRC	<0.003	<0.003	0.006	<0.003	<0.003	
BARIUM (BA) DIS		0.2	0.093	0.045	0.09	
BARIUM (BA) TRC	0.155	0.21	0.112	0.048	0.129	
BERYLLIUM (BE) DIS		NR	<0.001	<0.001	<0.001	
BERYLLIUM (BE) TRC	NR	NR	<0.001	<0.001	<0.001	
BORON (B) DIS		0.06	0.11	0.03	0.04	
					UJ1	
BORON (B) TRC	0.103	0.06	0.11	0.03	0.04	
					UJ1	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P3	P3	P3	P3	P3	P3
SAMPLE DATE	10/27/2010	06/24/2011	10/21/2011	02/07/2012	05/03/2012	05/24/2012
SAMPLE TIME	17:00	08:45	07:30	15:30	08:30	09:56
LAB	PACE	EL	EL	EL	EL	HYDRO
LAB NUMBER		1060450022	1100333009	2020104003	2050095021	
REMARKS						NO SAMPLE
SAMPLE NUMBER	OTC-1010-102	OTRCR1106-022	OTRCR1110-713	OCC-1202-902	OCC-1205-702	OCC-1205-613
-- METALS & MINOR CONSTITUENTS --						
CADMIUM (CD) DIS		<0.00008	<0.00008	<0.00008	<0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	
CHROMIUM (CR) DIS		<0.001	<0.001	<0.001	<0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001	<0.001	
COPPER (CU) DIS		0.003	0.003	0.005	0.003	
COPPER (CU) TRC	0.0023	0.003	0.005	0.005	0.005	
IRON (FE) DIS		0.06	0.08	0.17	0.06	
IRON (FE) TRC	0.902	0.32	1.26	0.44	0.71	
LEAD (PB) DIS		<0.0005	<0.0005	<0.0005	<0.0005	
LEAD (PB) TRC	<0.001	<0.0005	0.0013	0.0007	<0.0005	
MANGANESE (MN) DIS		0.13	0.01	0.022	0.299	
MANGANESE (MN) TRC	0.0704	0.148	0.566	0.026	0.272	
MERCURY (HG) DIS		<0.0001	<0.00005	<0.00005	<0.00005	
MERCURY (HG) TOT	0.0000018	<0.0001	<0.00005	<0.00005	<0.00005	
MOLYBDENUM (MO) DIS		<0.005	0.005	<0.005	<0.005	
MOLYBDENUM (MO) TRC	0.0025	<0.005	0.005	<0.005	<0.005	
NICKEL (NI) DIS		<0.01	0.01	<0.01	<0.01	
NICKEL (NI) TRC	<0.01	<0.01	0.01	<0.01	<0.01	
SELENIUM (SE) DIS		<0.001	<0.001	<0.001	<0.001	
SELENIUM (SE) TRC	<0.001	<0.001	0.001	<0.001	<0.001	
VANADIUM (V) DIS		<0.1	<0.1	<0.1	<0.1	
VANADIUM (V) TRC	0.0017	<0.1	<0.1	<0.1	<0.1	
ZINC (ZN) DIS		<0.01	<0.01	<0.01	<0.01	
ZINC (ZN) TRC	<0.01	<0.01	<0.01	0.01	<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4	P4	P4	P4
SAMPLE DATE	08/25/2011	10/20/2011	10/20/2011	02/08/2012	05/03/2012
SAMPLE TIME	08:10	17:00	17:05	08:30	07:20
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080473002	1100333006	1100333007	2020104005	2050095022
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCR1108-901	OTRCR1110-710	OTRCR1110-711	OCC-1202-904	OCC-1205-703
-- PHYSICAL PARAMETERS --					
PH (FLD)	7.8	7.97		7.49	7.82
PH	8.4	7.8	7.9	6.9	7.4
SODIUM ADSORPTION RATIO	4.93	5.5	5.52	1.3	2.11
SC (UMHOS/CM AT 25 C)	3010.0	3580.0	3490.0	608.0	1030.0
SC (UMHOS/CM AT 25 C) (FLD)	3510.0	4120.0		622.0	1027.0
TDS (MEASURED AT 180 C)	2980.0	3650.0	3710.0	460.0	760.0
TOTAL SUSPENDED SOLIDS	10.0	142.0	38.0	<4.0	6.0
		J4D			
TURBIDITY (NTU)	2.1	59.0	24.0	8.9	3.6
	J4D	H,J4D	H		
WATER TEMPERATURE (FLD)	19.0	8.8		0.9	11.3
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	214.0	262.0	261.0	43.0	72.0
CALCIUM (CA) TRC	205.0	264.0	263.0	43.0	67.0
MAGNESIUM (MG) DIS	178.0	205.0	204.0	20.0	38.0
MAGNESIUM (MG) TRC	168.0	203.0	202.0	21.0	38.0
SODIUM (NA) DIS	403.0	489.0	490.0	41.0	89.0
SODIUM (NA) TRC	422.0	500.0	491.0	42.0	93.0
POTASSIUM (K) DIS	17.0	18.0	18.0	16.0	12.0
POTASSIUM (K) TRC	17.0	18.0	18.0	16.0	12.0
TOTAL ALKALINITY AS CACO3	340.0	450.0	450.0	65.0	170.0
BICARBONATE (HCO3)	400.0	550.0	550.0	80.0	210.0
CARBONATE AS CO3	8.0	<4.0	<4.0	<1.0	<1.0
SULFATE (SO4)	1800.0	2000.0	2100.0	200.0	380.0
CHLORIDE (CL)	10.0	12.0	12.0	4.0	5.0
FLUORIDE (F)	0.3	0.3	0.4	<0.1	0.1
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05	<0.05		
NITRATE + NITRITE AS N	<0.01	0.02	0.02	0.25	0.12
PHOSPHORUS (P) TOT	0.056	0.063	0.041		
		J4D			
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	0.9	0.3	0.2	<0.1
	UJ4D	J4D			
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.172	0.088	0.088	0.035	0.056
BARIUM (BA) TRC	0.174	0.1	0.093	0.037	0.058
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.17	0.15	0.15	0.05	0.05
					UJ1
BORON (B) TRC	0.17	0.15	0.15	0.05	0.05
					UJ1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4	P4	P4	P4
SAMPLE DATE	08/25/2011	10/20/2011	10/20/2011	02/08/2012	05/03/2012
SAMPLE TIME	08:10	17:00	17:05	08:30	07:20
LAB	EL	EL	EL	EL	EL
LAB NUMBER	1080473002	1100333006	1100333007	2020104005	2050095022
REMARKS			DUPLICATE		
SAMPLE NUMBER	OTRCR1108-901	OTRCR1110-710	OTRCR1110-711	OCC-1202-904	OCC-1205-703
-- METALS & MINOR CONSTITUENTS --					
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	0.002	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	0.005	<0.001
COPPER (CU) TRC	<0.001	0.002	0.001	0.005	0.001
IRON (FE) DIS	<0.05	0.14	0.13	0.09	1.08
IRON (FE) TRC	0.13	1.8	1.1	0.29	0.95
	J4D	J4D			
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	0.0011	0.0006	<0.0005	<0.0005
MANGANESE (MN) DIS	0.197	0.822	0.813	0.066	0.369
MANGANESE (MN) TRC	0.22	0.83	0.825	0.073	0.375
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.002	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	0.002	0.001	0.001	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5	P5	P5	P5	P5
SAMPLE DATE	10/27/2010	06/24/2011	10/20/2011	02/07/2012	05/03/2012
SAMPLE TIME	13:50	09:15	14:10	16:30	10:30
LAB	PACE	EL	EL	EL	EL
LAB NUMBER		1060448016	1100333001	2020104004	2050095023
SAMPLE NUMBER	OTC-1010-103	OTRCRK1106215	OTRCR1110-705	DCC-1202-903	OCC-1205-704
-- PHYSICAL PARAMETERS --					
PH (FLD)	9.43	8.44	9.22	8.58	8.64
PH	9.0	8.5	9.8	7.2	8.6
SODIUM ADSORPTION RATIO	20.8	8.06	13.9	6.75	9.68
SC (UMHOS/CM AT 25 C)	7150.0	3650.0	6310.0	1970.0	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	8650.0	3984.0	6700.0	2010.0	2994.0
TDS (MEASURED AT 180 C)	6030.0	3420.0	6520.0	1520.0	2460.0
TOTAL SUSPENDED SOLIDS	<6.9	14.0	16.0	42.0	<4.0
			J4D		
TURBIDITY (NTU)		0.9	2.4	35.6	2.6
			H,J4D		
WATER TEMPERATURE (FLD)	9.4	21.8	13.8	2.3	14.0
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS		155.0	150.0	49.0	72.0
CALCIUM (CA) TRC	167.0	158.0	149.0	50.0	69.0
MAGNESIUM (MG) DIS		140.0	303.0	57.0	89.0
MAGNESIUM (MG) TRC	163.0	142.0	297.0	60.0	89.0
SODIUM (NA) DIS		575.0	1290.0	293.0	520.0
SODIUM (NA) TRC	1580.0	600.0	1310.0	300.0	543.0
POTASSIUM (K) DIS		10.0	18.0	26.0	12.0
POTASSIUM (K) TRC	206.0	10.0	18.0	26.0	12.0
TOTAL ALKALINITY AS CACO3	158.0	300.0	120.0	130.0	240.0
TOTAL ACIDITY AS CACO3	<5.0				
BICARBONATE (HCO3)	119.0	330.0	42.0	150.0	250.0
CARBONATE AS CO3	39.2	14.0	51.0	<1.0	20.0
SULFATE (SO4)	4500.0	1800.0	4400.0	850.0	1500.0
CHLORIDE (CL)	17.9	7.0	15.0	10.0	10.0
FLUORIDE (F)	0.33	0.3	0.3	<0.1	0.1
-- NUTRIENTS --					
TOTAL AMMONIA (NH3+NH4 AS N)		<0.05	<0.05		
NITRATE + NITRITE AS N	0.01	<0.01	0.02	0.2	<0.01
PHOSPHORUS (P) TOT		0.012	0.016		
			J4D		
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS		<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	129.0	<0.1	<0.1	0.6	<0.1
			UJ4D		
ARSENIC (AS) DIS		<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	0.0033	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS		0.141	0.025	0.052	0.031
BARIUM (BA) TRC	0.0489	0.144	0.026	0.063	0.032
BERYLLIUM (BE) DIS		<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS		0.09	0.1	0.07	0.05
					UJ1
BORON (B) TRC	0.0383	0.1	0.1	0.08	0.05
					UJ1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P5	P5	P5	P5	P5
SAMPLE DATE	10/27/2010	06/24/2011	10/20/2011	02/07/2012	05/03/2012
SAMPLE TIME	13:50	09:15	14:10	16:30	10:30
LAB	PACE	EL	EL	EL	EL
LAB NUMBER		1060448016	1100333001	2020104004	2050095023
SAMPLE NUMBER	OTC-1010-103	OTRCRK1106215	DTRCR1110-705	OCC-1202-903	OCC-1205-704
-- METALS & MINOR CONSTITUENTS --					
CADMIUM (CD) DIS		<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	0.0001	<0.00008
CHROMIUM (CR) DIS		<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	0.0021	<0.001	<0.001	0.004	<0.001
COPPER (CU) DIS		0.002	0.002	0.007	0.002
COPPER (CU) TRC	0.0043	0.006	0.002	0.021	0.002
IRON (FE) DIS		<0.05	<0.05	0.16	0.08
IRON (FE) TRC	1.74	<0.05	0.17	1.19	0.16
			J4D		
LEAD (PB) DIS		<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	0.0011	<0.0005	<0.0005	0.0011	<0.0005
MANGANESE (MN) DIS		0.027	0.006	0.163	0.008
MANGANESE (MN) TRC	0.136	0.033	<0.005	0.181	0.03
MERCURY (HG) DIS		<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	0.00000535	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS		<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.0203	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS		<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	0.0153	<0.01	<0.01	0.02	<0.01
SELENIUM (SE) DIS		0.007	0.003	0.001	<0.001
SELENIUM (SE) TRC	0.0011	0.007	0.003	0.001	<0.001
VANADIUM (V) DIS		<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	0.0043	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS		<0.01	<0.01	0.04	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	0.06	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6	P6	P6	P6
SAMPLE DATE	06/24/2011	10/25/2011	02/08/2012	05/03/2012
SAMPLE TIME	07:05	13:10	13:15	12:30
LAB	EL	EL	EL	EL
LAB NUMBER	1060450020	1100409002	2020104006	2050095024
SAMPLE NUMBER	OTRCR1106-020	OTRCR1110-755	OCC-1202-905	OCC-1205-705
-- PHYSICAL PARAMETERS --				
PH (FLD)	8.04	8.46	7.86	8.42
PH	8.4	8.3	8.0	8.3
SODIUM ADSORPTION RATIO	5.35	5.36	4.78	4.88
SC (UMHOS/CM AT 25 C)	2750.0	2920.0	3240.0	3060.0
SC (UMHOS/CM AT 25 C) (FLD)	3160.0	3110.0	2910.0	2926.0
TDS (MEASURED AT 180 C)	2370.0	2400.0	2440.0	2410.0
TOTAL SUSPENDED SOLIDS	14.0	10.0	8.0	<4.0
TURBIDITY (NTU)	13.2	1.5	2.6	0.9
WATER TEMPERATURE (FLD)	19.4	8.7	1.8	16.5
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	54.0	87.0	127.0	99.0
CALCIUM (CA) TRC	54.0	87.0	138.0	94.0
MAGNESIUM (MG) DIS	196.0	220.0	194.0	202.0
MAGNESIUM (MG) TRC	195.0	203.0	197.0	192.0
SODIUM (NA) DIS	377.0	413.0	368.0	368.0
SODIUM (NA) TRC	378.0	383.0	368.0	372.0
POTASSIUM (K) DIS	13.0	19.0	16.0	14.0
POTASSIUM (K) TRC	13.0	18.0	15.0	14.0
TOTAL ALKALINITY AS CACO3	430.0	560.0	560.0	550.0
BICARBONATE (HCO3)	510.0	670.0	680.0	610.0
CARBONATE AS CO3	8.0	5.0	<1.0	29.0
SULFATE (SO4)	1300.0	1400.0	1300.0	1300.0
CHLORIDE (CL)	3.0	14.0	9.0	7.0
FLUORIDE (F)	0.5	0.6	0.6	0.5
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		
NITRATE + NITRITE AS N	<0.01	<0.01	0.02	<0.01
PHOSPHORUS (P) TOT	0.029	0.022		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.008	0.009	0.019	0.007
BARIUM (BA) TRC	0.008	0.009	0.019	0.008
BERYLLIUM (BE) DIS	NR	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR	<0.001	<0.001	<0.001
BORON (B) DIS	0.47	0.47	0.41	0.39
BORON (B) TRC	0.46	0.47	0.41	0.39
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05	0.05	<0.05
IRON (FE) TRC	0.07	0.09	0.19	0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	0.077	0.014	0.218	0.007

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6	P6	P6	P6
SAMPLE DATE	06/24/2011	10/25/2011	02/08/2012	05/03/2012
SAMPLE TIME	07:05	13:10	13:15	12:30
LAB	EL	EL	EL	EL
LAB NUMBER	1060450020	1100409002	2020104006	2050095024
SAMPLE NUMBER	OTRCR1106-020	OTRCR1110-755	OCC-1202-905	OCC-1205-705
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) TRC	0.058	0.014	0.206	0.01
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	06/21/2011	08/23/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011	01/05/2012
SAMPLE TIME	10:30	16:10	09:15	10:10	18:00	11:30	13:00
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060450005	1080476008	1100335024	1100333013	1100411012	1100409011	2010106002
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1106-005	OTRCR1108-807	DTRCR1110-323	OTRCR1110-717	OTRCR1110-340	OTRCR1110-764	OTRCR1201-101
-- PHYSICAL PARAMETERS --							
PH	6.0	5.9	7.0	5.7	5.5	5.5	5.9
SODIUM ADSORPTION RATIO	0.72	0.04	0.04	ND	0.1	0.03	0.02
SC (UMHOS/CM AT 25 C)	6.0	2.0	1.0	1.0	1.0	<1.0	3.0
TDS (MEASURED AT 180 C)	22.0	<4.0	<4.0	<4.0	8.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS				<4.0		4.0	
TURBIDITY (NTU)				0.2		<0.2	
				H			
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC	<1.0	<1.0		<1.0		<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0	<1.0		<1.0		<1.0	
SODIUM (NA) DIS	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC	<1.0	<1.0		<1.0		<1.0	
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC	<1.0	<1.0		<1.0		<1.0	
TOTAL ALKALINITY AS CACO3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
BICARBONATE (HCO3)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	2.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)			<4.0		<4.0		<1.0
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		<0.05		<0.05	
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	<0.005	<0.005		<0.005		<0.005	
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1		<0.1		<0.1	
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003		<0.003		<0.003	
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC	<0.005	<0.005		<0.005			
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001		<0.001		<0.001	
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BORON (B) TRC	<0.01	<0.01		<0.01		<0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008		<0.00008		<0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001		<0.001		<0.001	
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001		<0.001		<0.001	
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	<0.05	<0.05		<0.05		<0.05	
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005		<0.0005		<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	06/21/2011	08/23/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011	01/05/2012
SAMPLE TIME	10:30	16:10	09:15	10:10	18:00	11:30	13:00
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060450005	1080476008	1100335024	1100333013	1100411012	1100409011	2010106002
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1106-005	OTRCR1108-807	OTRCR1110-323	OTRCR1110-717	OTRCR1110-340	OTRCR1110-764	OTRCR1201-101
-- METALS & MINOR CONSTITUENTS --							
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005		<0.005		<0.005	
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005		<0.00005		<0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005		<0.005		<0.005	
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01		<0.01		<0.01	
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001		<0.001		<0.001	
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1		<0.1		<0.1	
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01		<0.01		<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	01/12/2012	03/15/2012	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	18:15	15:00	19:20	17:50	18:25
LAB	EL	EL	EL	EL	EL
LAB NUMBER	2011023016	2030214016	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-135	OCC-1203-115	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- PHYSICAL PARAMETERS --					
PH	5.8	5.6	5.4	5.4	5.5
SODIUM ADSORPTION RATIO	<0.01	0.03	0.07	0.04	0.01
SC (UMHOS/CM AT 25 C)	<1.0	3.0	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	<7.0	10.0	4.0	6.0	<4.0
TOTAL SUSPENDED SOLIDS		<4.0			<4.0
TURBIDITY (NTU)		0.2			<0.2
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC		<1.0			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC		<1.0			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC		<1.0			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC		<1.0			<1.0
TOTAL ALKALINITY AS CACO3	<4.0	1.0	<1.0	1.0	<1.0
TOTAL ACIDITY AS CACO3	<4.0				
BICARBONATE (HCO3)	<4.0	2.0	<1.0	2.0	<1.0
CARBONATE AS CO3	<4.0	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0		<4.0	<4.0	
-- NUTRIENTS --					
NITRATE + NITRITE AS N	<0.01	<0.01	0.02	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC		<0.1			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC		<0.003			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC		<0.005			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC		<0.001			<0.001
BORON (B) DIS	<0.01	<0.01	0.02	0.02	0.03
BORON (B) TRC		<0.01			0.02
CADMIUM (CD) DIS	<0.00000	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC		<0.00008			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC		<0.001			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC		<0.001			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC		<0.05			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC		<0.0005			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC		<0.005			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	01/12/2012	03/15/2012	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	18:15	15:00	19:20	17:50	18:25
LAB	EL	EL	EL	EL	EL
LAB NUMBER	2011023016	2030214016	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-135	OCC-1203-115	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- METALS & MINOR CONSTITUENTS --					
MERCURY (HG) TOT		<0.00005			<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC		<0.005			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC		<0.01			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC		<0.001			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC		<0.1			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC		<0.01			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	06/21/2011	08/25/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011	01/05/2012
SAMPLE TIME	10:45	10:15	17:30	10:30	17:35	11:20	18:10
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060450006	1080476017	1100335027	1100333014	1100411011	1100409010	2010106019
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1106-006	OTRCR1108-816	OTRCR1110-326	OTRCR1110-718	OTRCR1110-339	OTRCR1110-763	OTRCR1201-118
-- PHYSICAL PARAMETERS --							
PH	5.7	6.2	6.4	5.4	5.8	6.0	5.8
SODIUM ADSORPTION RATIO	0.59	0.04	0.02	ND	0.8	0.24	0.02
SC (UMHOS/CM AT 25 C)	1.0	2.0	2.0	1.0	1.0	2.0	2.0
TDS (MEASURED AT 180 C)	26.0	6.0	6.0	<4.0	8.0	<4.0	8.0
TOTAL SUSPENDED SOLIDS				<4.0		<4.0	
TURBIDITY (NTU)				<0.1		<0.2	
				R			
-- MAJOR CONSTITUENTS --							
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC	<1.0	<1.0		<1.0		<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0	<1.0		<1.0		<1.0	
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC	<1.0	<1.0		<1.0		<1.0	
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC	<1.0	<1.0		<1.0		<1.0	
TOTAL ALKALINITY AS CACO3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	2.0
BICARBONATE (HCO3)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	2.0
CARBONATE AS CO3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)			<4.0		<4.0		<1.0
-- NUTRIENTS --							
TOTAL AMMONIA (NH3+NH4 AS N)	<0.05	<0.05		<0.05		<0.05	
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
PHOSPHORUS (P) TOT	<0.005	<0.005		<0.005		<0.005	
-- METALS & MINOR CONSTITUENTS --							
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.1	<0.1		<0.1		<0.1	
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003		<0.003		<0.003	
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC	<0.005	<0.005		<0.005		<0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001		<0.001		<0.001	
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BORON (B) TRC	<0.01	<0.01		<0.01		<0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008		<0.00008		<0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001		<0.001		<0.001	
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001		<0.001		<0.001	
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.05
IRON (FE) TRC	<0.05	<0.05		<0.05		<0.05	
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005		<0.0005		<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	06/21/2011	08/25/2011	10/20/2011	10/21/2011	10/26/2011	10/26/2011	01/05/2012
SAMPLE TIME	10:45	10:15	17:30	10:30	17:35	11:20	18:10
LAB	EL	EL	EL	EL	EL	EL	EL
LAB NUMBER	1060450006	1080476017	1100335027	1100333014	1100411011	1100409010	2010106019
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1106-006	OTRCR1108-816	OTRCR1110-326	OTRCR1110-718	OTRCR1110-339	OTRCR1110-763	OTRCR1201-118
-- METALS & MINOR CONSTITUENTS --							
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005		<0.005		<0.005	
MERCURY (HG) DIS	<0.0001	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0001	<0.00005		<0.00005		<0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005		<0.005		<0.005	
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01		<0.01		<0.01	
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001		<0.001		<0.001	
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1		<0.1		<0.1	
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01		<0.01		<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	01/12/2012	03/23/2012	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	18:30	12:00	19:25	18:00	18:45
LAB	EL	EL	EL	EL	EL
LAB NUMBER	2011023017	2030308005	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-136	OCC-1203-120	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- PHYSICAL PARAMETERS --					
PH	5.6	5.4	5.1	5.1	4.9
SODIUM ADSORPTION RATIO	<0.01	0.02	0.06	0.02	<0.01
SC (UMHOS/CM AT 25 C)	<1.0	1.0	1.0	2.0	1.0
TDS (MEASURED AT 180 C)	<7.0	8.0	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS		<4.0			<4.0
TURBIDITY (NTU)		<0.2			0.2
-- MAJOR CONSTITUENTS --					
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC		<1.0			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC		<1.0			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC		<1.0			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC		<1.0			<1.0
TOTAL ALKALINITY AS CACO3	<4.0	2.0	<1.0	<1.0	<1.0
TOTAL ACIDITY AS CACO3	<4.0				
BICARBONATE (HCO3)	<4.0	2.0	<1.0	<1.0	<1.0
CARBONATE AS CO3	<4.0	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0		<4.0	<4.0	
-- NUTRIENTS --					
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --					
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC		<0.1			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC		<0.003			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC		<0.005			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC		<0.001			<0.001
BORON (B) DIS	<0.01	0.02	0.02	0.02	0.02
BORON (B) TRC		<0.01			0.02
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC		<0.00008			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC		<0.001			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC		<0.001			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC		<0.05			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC		<0.0005			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC		<0.005			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	01/12/2012	03/23/2012	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	18:30	12:00	19:25	18:00	18:45
LAB	EL	EL	EL	EL	EL
LAB NUMBER	2011023017	2030308005	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-136	OCC-1203-120	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- METALS & MINOR CONSTITUENTS --					
MERCURY (HG) TOT		<0.00005			<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC		<0.005			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC		<0.01			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC		<0.001			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC		<0.1			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC		<0.01			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP	COAL CREEK SP	COAL CREEK SP
SAMPLE DATE	10/27/2010	10/25/2011	05/03/2012
SAMPLE TIME	16:10	13:40	13:00
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
OTHER INFO			Field Pars On
SAMPLE NUMBER	OTC-1010-105	OTRCR1110-774	OCC-1205-715
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	0.001	DRY	0.044
	E		E
PH (FLD)	7.7		7.61
SC (UMHOS/CM AT 25 C) (FLD)	6050.0		5310.0
WATER TEMPERATURE (FLD)	8.8		14.8

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN	FORTUNE SPRIN	FORTUNE SPRIN	FORTUNE SPRIN
SAMPLE DATE	10/27/2010	10/25/2011	02/07/2012	05/03/2012
SAMPLE TIME	11:45	15:00	12:10	14:00
LAB	PACE	EL	EL	EL
LAB NUMBER		1100409003	2020104001	2050095027
SAMPLE NUMBER	OTC-1010-100	OTRCR1110-756	OCC-1202-900	OCC-1205-708
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	NO FLOW	0.004	NO FLOW	0.003
		E		E
PH (FLD)	7.53	7.34	7.32	7.33
PH	7.2	7.8	7.4	7.4
SODIUM ADSORPTION RATIO	12.2	10.7	10.7	10.2
SC (UMHOS/CM AT 25 C)	6830.0	8270.0	9840.0	9430.0
		E		
SC (UMHOS/CM AT 25 C) (FLD)	7440.0	10080.0	10040.0	8960.0
TDS (MEASURED AT 180 C)	6510.0	10100.0	9270.0	9400.0
TOTAL SUSPENDED SOLIDS	NR	15.0	12.0	70.0
TURBIDITY (NTU)	NR	0.3	0.4	0.3
WATER TEMPERATURE (FLD)	6.3	9.8	3.2	11.7
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	263.0	388.0	358.0	346.0
CALCIUM (CA) TRC	489.0	396.0	365.0	334.0
MAGNESIUM (MG) DIS	451.0	735.0	711.0	694.0
MAGNESIUM (MG) TRC	875.0	734.0	700.0	684.0
SODIUM (NA) DIS	971.0	1570.0	1530.0	1430.0
SODIUM (NA) TRC	1950.0	1560.0	1500.0	1480.0
POTASSIUM (K) DIS	25.0	31.0	29.0	26.0
POTASSIUM (K) TRC	21.4	31.0	29.0	26.0
TOTAL ALKALINITY AS CACO3	810.0	820.0	760.0	820.0
BICARBONATE (HCO3)	810.0	1000.0	930.0	1000.0
CARBONATE AS CO3	<5.0	<4.0	<1.0	<1.0
SULFATE (SO4)	5860.0	6000.0	5900.0	5900.0
CHLORIDE (CL)	19.1	32.0	32.0	29.0
FLUORIDE (F)	0.61	0.6	0.6	0.5
-- NUTRIENTS --				
TOTAL AMMONIA (NH3+NH4 AS N)		<0.05		
NITRATE + NITRITE AS N	0.35	6.04	10.4	12.1
PHOSPHORUS (P) TOT		0.009		
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.03	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC	<0.03	<0.1	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	0.0157	0.018	0.014	0.016
BARIUM (BA) TRC	0.0153	0.019	0.015	0.016
BERYLLIUM (BE) DIS	NR	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC	NR	<0.001	<0.001	<0.001
BORON (B) DIS	0.789	0.96	0.95	0.74
BORON (B) TRC	1.14	0.98	1.03	0.74
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	0.0018	0.003	0.003	0.003
COPPER (CU) TRC	0.0019	0.003	0.003	0.002

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN	FORTUNE SPRIN	FORTUNE SPRIN	FORTUNE SPRIN
SAMPLE DATE	10/27/2010	10/25/2011	02/07/2012	05/03/2012
SAMPLE TIME	11:45	15:00	12:10	14:00
LAB	PACE	EL	EL	EL
LAB NUMBER		1100409003	2020104001	2050095027
SAMPLE NUMBER	OTC-1010-100	OTRCR1110-756	OCC-1202-900	OCC-1205-708
-- METALS & MINOR CONSTITUENTS --				
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC	<0.05	<0.05	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	<0.005	<0.005	<0.005
MERCURY (HG) DIS	0.00141	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT	<0.0005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.0033	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.0036	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	0.0021	0.014	0.012	0.013
SELENIUM (SE) TRC	0.0015	0.014	0.01	0.013
VANADIUM (V) DIS	<0.0001	<0.1	<0.1	<0.1
VANADIUM (V) TRC	0.00042	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Otter Creek Coal, LLC
January 2012 to March 2012 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

June 2012

Otter Creek Coal, LLC
January 2012 to March 2012 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 01/5/2012 through 03/15/2012
- Total number of samples taken at existing wells: 76 site samples, 3 field duplicates, 14 field observations, 6 DI and rinsate blanks, for a total of 99 samples.
- Frequency for field duplicates was 1 per 33, and 1 per 16 for field blanks. Overall, frequency was approximately 1 per 11 (1 QC sample taken for every 11 samples collected).

Violations involving field quality control:

- One field rinsate blank submitted on March 23, 2012, contained dissolved boron at or above the DTL (0.02 mg/L). However, this had no impact on the associated data, and no results were qualified.

Violations involving laboratory quality control:

- In addition there were several laboratory quality control samples outside of the laboratory prescribed QC limits. However, none of the associated data were impacted.

Additional observations not resulting in exceedances:

- Due to multiple parameter lists the calculation for sodium absorption ratio (SAR) was not consistently reported until March 2012. A request was made to Energy Laboratories and all data was revised to include the SAR.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 100%. The project completeness goal, acceptance of 90% of the results as valid, has been met, as no results were rejected as a result of this review.

Attachments to Summary Report

- Included with this report are the following attachments:

  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary of Blanks
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Jennifer Vanek

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. Indicates low bias. 4 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)

TABLE 2. Summary of Duplicates For 1st Qtr 2012

OTTCRK - Otter Creek Coal, LLC

SITE CODE	A-5	A-5			
SAMPLE DATE	01/12/12	01/12/12			
LAB	EL	EL			
LAB NUMBER	2011023013	2011023012	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1201-1	OTRCR1201-1	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.3	7.4	1.36		
SODIUM ADSORPTION RATIO	6.17	5.94	3.80	0.01	
SC (UMHOS/CM AT 25 C)	3940.0	3940.0	0.00	1.0	
TDS (MEASURED AT 180 C)	3320.0	3220.0	3.06	4.0	
CALCIUM (CA) DIS	197.0	196.0	0.51	1.0	
MAGNESIUM (MG) DIS	221.0	214.0	3.22	1.0	
SODIUM (NA) DIS	530.0	506.0	4.63	1.0	
POTASSIUM (K) DIS	17.0	16.0	6.06	1.0	
TOTAL ALKALINITY AS CACO3	679.0	656.0	3.45	4.0	
BICARBONATE (HCO3)	828.0	800.0	3.44	4.0	
CARBONATE AS CO3	<4.0	<4.0	UDL	0.005	
SULFATE (SO4)	2010.0	1940.0	3.54	1.0	
CHLORIDE (CL)	12.0	11.0	8.70	1.0	
FLUORIDE (F)	0.5	0.5	0.00	0.1	
HYDROXIDE (OH)	<4.0	<4.0	UDL	4.0	
NITRATE + NITRITE AS N	0.4	0.39	2.53	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.024	0.023	4.26	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.3	0.28	6.90	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	<0.005	<0.005	UDL	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	0.002	0.002	0.00	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

TABLE 2. Summary of Duplicates For 1st Qtr 2012

OTTCRK - Otter Creek Coal, LLC

SITE CODE	B-10U	B-10U			
SAMPLE DATE	01/05/12	01/05/12			
LAB	EL	EL			
LAB NUMBER	2010106017	2010106018	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OTRCR1201-1	OTRCR1201-1	DIFFERENCE	LIMITS	VALIDATION NOTES
SODIUM ADSORPTION RATIO	45.6	46	0.87	0.01	
SC (UMHOS/CM AT 25 C)	1410.0	1400.0	0.71	1.0	
TDS (MEASURED AT 180 C)	776.0	786.0	1.28	4.0	
CALCIUM (CA) DIS	3.0	3.0	0.00	1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	1.0	
SODIUM (NA) DIS	342.0	346.0	1.16	1.0	
POTASSIUM (K) DIS	2.0	2.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	700.0	700.0	0.00	4.0	
BICARBONATE (HCO3)	800.0	780.0	2.53	4.0	
CARBONATE AS CO3	24.0	33.0	31.58	0.005	SEE RPD
SULFATE (SO4)	<2.0	<2.0	UDL	1.0	
CHLORIDE (CL)	61.0	65.0	6.35	1.0	
FLUORIDE (F)	2.0	2.0	0.00	0.1	
HYDROXIDE (OH)	<1.0	<1.0	UDL	4.0	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.126	0.123	2.41	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.16	0.16	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.038	0.038	0.00	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

TABLE 2. Summary of Duplicates For 1st Qtr 2012

OTTCRK - Otter Creek Coal, LLC

SITE CODE	SW-16	SW-16			
SAMPLE DATE	03/15/12	03/15/12			
LAB	EL	EL			
LAB NUMBER	2030214012	2030214013	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1203-11	OCC-1203-11	DIFFERENCE	LIMITS	VALIDATION NOTES
SODIUM ADSORPTION RATIO	4.90	4.87	0.61	0.01	
SC (UMHOS/CM AT 25 C)	3380.0	3380.0	0.00	1.0	
TDS (MEASURED AT 180 C)	2460.0	2550.0	3.59	4.0	
TOTAL SUSPENDED SOLIDS	18.0	16.0	11.76	4.0	
TURBIDITY (NTU)	13.1	13.7	4.48	0.1	
CALCIUM (CA) DIS	133.0	133.0	0.00	1.0	
CALCIUM (CA) TRC	140.0	137.0	2.17	1.0	
MAGNESIUM (MG) DIS	207.0	207.0	0.00	1.0	
SODIUM (NA) DIS	387.0	385.0	0.52	1.0	
SODIUM (NA) TRC	402.0	393.0	2.26	1.0	
POTASSIUM (K) DIS	18.0	18.0	0.00	1.0	
POTASSIUM (K) TRC	18.0	18.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	500.0	500.0	0.00	4.0	
BICARBONATE (HCO3)	610.0	610.0	0.00	4.0	
CARBONATE AS CO3	<1.0	<1.0	UDL	0.005	
SULFATE (SO4)	1500.0	1500.0	0.00	1.0	
CHLORIDE (CL)	14.0	14.0	0.00	1.0	
FLUORIDE (F)	0.5	0.5	0.00	0.1	
NITRATE + NITRITE AS N	0.36	0.36	0.00	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	0.2	0.2	0.00	0.03	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.043	0.041	4.76	0.003	
BARIUM (BA) TRC	0.046	0.045	2.20	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.26	0.25	3.92	0.01	
BORON (B) TRC	0.26	0.25	3.92	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	0.001	0.001	0.00	0.001	
IRON (FE) DIS	0.06	0.06	0.00	0.05	
IRON (FE) TRC	0.75	0.74	1.34	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.63	0.586	7.24	0.005	
MANGANESE (MN) TRC	0.618	0.63	1.92	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MERCURY (HG) TOT	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	0.001	0.001	0.00	0.001	
SELENIUM (SE) TRC	0.001	0.001	0.00	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Table 3. Summary Of Blanks
Otter Creek Coal, LLC - 1st Qtr. 2012

SITE CODE	DI BLANK	DI BLANK	DI BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMP DATE	1/5/2012	1/12/2012	3/15/2012	1/5/2012	1/12/2012	3/23/2012
SAMP #	OTRCR1201-101	OTRCR1201-135	OCC-1203-115	OTRCR1201-118	OTRCR1201-136	OCC-1203-120
LAB #	2010106002	2011023016	2030214016	2010106019	2011023017	2030308005
SAMP_TIME	13:00	18:15	15:00	18:10	18:30	12:00
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001			<0.001
BICARBONATE (HCO3)	2	<4	2	2	<4	2
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
BORON (B) TRC			<0.01			<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008			<0.00008
CALCIUM (CA) DIS	<1	<1	<1	<1	<1	<1
CALCIUM (CA) TRC			<1			<1
CARBONATE AS CO3	<1	<4	<1	<1	<4	<1
CHLORIDE (CL)	<0.2	<1	<1	<0.2	<1	<1
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001			<0.001
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1	<4		<1	<4	
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005			<0.0005
MAGNESIUM (MG) DIS	<1	<1	<1	<1	<1	<1
MAGNESIUM (MG) TRC			<1			<1
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005			<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01			<0.01
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PH	5.9	5.8	5.6	5.8	5.6	5.4
POTASSIUM (K) DIS	<1	<1	<1	<1	<1	<1
POTASSIUM (K) TRC			<1			<1
SC (UMHOS/CM AT 25 C)	3	<1	3	2	<1	1
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001			<0.001
SODIUM (NA) DIS	<1	<1	<1	<1	<1	<1
SODIUM (NA) TRC			<1			<1
UM ADSORPTION RATIO	0.02	<0.01	0.03	0.02	<0.01	0.02
SULFATE (SO4)	<1	<1	<1	<1	<1	<1
DS (MEASURED AT 180 C)	<4	<7	10	8	<7	8
OTAL ACIDITY AS CACO3		<4			<4	

Table 3. Summary Of Blanks
Otter Creek Coal, LLC - 1st Qtr. 2012

SITE CODE	DI BLANK	DI BLANK	DI BLANK	RINS BLANK	RINS BLANK	RINS BLANK
SAMP DATE	1/5/2012	1/12/2012	3/15/2012	1/5/2012	1/12/2012	3/23/2012
SAMP #	OTRCR1201-101	OTRCR1201-135	OCC-1203-115	OTRCR1201-118	OTRCR1201-136	OCC-1203-120
LAB #	2010106002	2011023016	2030214016	2010106019	2011023017	2030308005
SAMP_TIME	13:00	18:15	15:00	18:10	18:30	12:00
REMARKS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
TYPE NAME	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control	Quality Control
. ALKALINITY AS CACO3	<1	<4	1	2	<4	2
TAL SUSPENDED SOLIDS			<4			<4
TURBIDITY (NTU)			0.2			<0.2
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01			<0.01

SUMMARY ANALYSES REPORT

OTTCRK - Otter Creek Coal - WQ Data For 1st Qtr 2012

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Page	Site Code	Site Name	Site Type	Elevation MP	Well Depth
40	A1	A1	Groundwater		
41	A3	A3	Groundwater		
42	A4	A4	Groundwater		
43	A5	STATE A5	Groundwater		
44	A6	GNP A6	Groundwater		
45	A7	A7	Groundwater		
46	AVF1-2	AVF1-2	Groundwater		
47	AVF2-2	AVF2-2	Groundwater		
48	AVF3-2	GNP AVF3-2	Groundwater		
49	AVF5-1	AVF5-1	Groundwater		
50	AVF6-3	STATE AVF6-3	Groundwater		
51	B1-U	GNP B1-U	Groundwater		
52	B2-K	B2-K	Groundwater		
53	B2-U	B2-U	Groundwater		
54	B3-K	STATE B3-K	Groundwater		
55	B3-U	STATE B3-U	Groundwater		
56	B4-K	STATE B4-K	Groundwater		
57	B4-O	STATE B4-O	Groundwater		
58	B4-U	STATE B4-U	Groundwater		
59	B5-K	GNP B5-K	Groundwater		
60	B5-O	GNP B5-O	Groundwater		
61	B5-U	GNP B5-U	Groundwater		
62	B6-K	STATE B6-K	Groundwater		
63	B6-O	STATE B6-O	Groundwater		
64	B6-U	STATE B6-U	Groundwater		
65	B7-KL	STATE B7-KL	Groundwater		
66	B7-KU	STATE B7-KU	Groundwater		
67	B7-O	STATE B7-O	Groundwater		
68	B7-U	STATE B7-U	Groundwater		
69	B8-KL	STATE B8-KL	Groundwater		
70	B8-KU	STATE B8-KU	Groundwater		
71	B8-O	STATE B8-O	Groundwarer		
72	B8-U	STATE B8-U	Groundwater		
73	B9-K	STATE B9-K	Groundwater		
74	B9-U	STATE B9-U	Groundwater		
75	B10-KL	B10-KL	Groundwater		
76	B10-KU	B10-KU	Groundwater		
77	B10-O	B10-O	Groundwater		
78	B10-U	B10-U - Well Battery 10 Underburden	Groundwater		
79	B11-K	GNP B11-K	Groundwater		
80	B11-O	GNP B11-O	Groundwater		
81	B11-U	GNP B11-U	Groundwater		
82	C-1	STATE C-1 CLINKER	Groundwater		
83	C-2	C-2 CLINKER	Groundwater		
84	C-3	STATE C-3 CLINKER	Groundwater		
85	C-4	GNP C-4 CLINKER	Groundwater		
102	DI BLANK	DI BLANK	Quality Control		
106	FORTUNE SPRING	FORTUNE SPRING	Springs, Seeps, & Adits		
86	K-1	GNP K-1	Groundwater		
87	K-2	STATE K-2	Groundwater		
88	K-3	STATE K-3	Groundwater		
89	K-4	STATE K-4	Groundwater		
90	K-5	GNP K-5	Groundwater		
91	K-6	STATE K-6	Groundwater		
92	P1	GNP P1 Mine Area Pond Water	POND		
94	P3	GNP P3 Downgradient Pond Water	POND		
96	P4	STATE P4 Pond Water Quality Stage	POND		
98	P5	P5 Shorty Creek Resv. Upgradient Pond Water	POND		
100	P6	P6 Pond Water	POND		
104	RINS BLANK	RINS BLANK	Quality Control		
1	SW-1	SW-1 Home Creek	Surface Water		
3	SW-1A	SW-1A	Surface Water		
5	SW-2	SW-2 Otter Crk Dwngradient, upstream of 3 Mi	Surface Water		
7	SW-3	STATE SW-3 3 Mile Creek Near Otter Creek	Surface Water		
9	SW-4	GNP SW-4 Trib To 3 Mile	Surface Water		
11	SW-5	GNP SW-5 Trib To 3 Mile	Surface Water		
12	SW-6	GNP SW-6 Trib To 3 Mile	Surface Water		
14	SW-7	GNP SW-7 Trib To 3 Mile	Surface Water		
15	SW-8	STATE SW-8 Downstream of pond P4	Surface Water		
17	SW-9	STATE SW-9 Trib To 3 Mile North Slope	Surface Water		
19	SW-11	STATE SW-11 Upgradient tributary to 3 Mile Cr	Surface Water		

OTTCRK - Otter Creek Coal - WQ Data For 1st Qtr 2012

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Page	Site Code	Site Name	Site Type	Elevation MP	Well Depth
21	SW-12	STATE SW-12 Upgradient tributary to 3 Mile Cr	Surface Water		
23	SW-13	STATE SW-13 Downstream of Pond P1, mine area,	Surface Water		
25	SW-14	GNP SW-14 Downstream of Prop. mine area, SW13	Surface Water		
26	SW-15	GNP SW-15 Downstream of Prop. mine area, SW13	Surface Water		
27	SW-16	GNP SW-16 Otter Creek Adj to proposed mine si	Surface Water		
29	SW-17	STATE SW-17 Downstream of Prop. mine area, SW	Surface Water		
30	SW-18	STATE SW-18 Downstream of Prop. mine area, SW	Surface Water		
32	SW-19	STATE SW-19 Downstream of Prop. mine area, SW	Surface Water		
33	SW-20	STATE SW-20 Upgradient in Undisturbed Drainag	Surface Water		
34	SW-21	GNP SW-21 Similar Charact. and area to SW19,	Surface Water		
35	SW-22	SW-22 Otter Creek Upstream	Surface Water		
37	SW-23	SW-23 Ten Mile Creek Below County Road Crossi	Surface Water		
39	SW-24	SW-24 Home Creek Overflow	Surface Water		

Sample Type: Surface Water

SITE CODE	SW-1	SW-1
SAMPLE DATE	03/14/2012	03/23/2012
SAMPLE TIME	08:30	09:00
LAB	HYDRO	EL
LAB NUMBER		2030308006
REMARKS	NO SAMPLE	
OTHER INFO	Frozen	
SAMPLE NUMBER	OCC-1203-125	OCC-1203-121
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	FROZEN	NO MEAS
PH (FLD)		7.46
PH		7.0
SODIUM ADSORPTION RATIO		0.36
SC (UMHOS/CM AT 25 C)		580.0
SC (UMHOS/CM AT 25 C) (FLD)		197.0
TDS (MEASURED AT 180 C)		748.0
TOTAL SUSPENDED SOLIDS		94.0
WATER TEMPERATURE (FLD)		6.1
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		39.0
CALCIUM (CA) TRC		15.0
MAGNESIUM (MG) DIS		18.0
MAGNESIUM (MG) TRC		5.0
SODIUM (NA) DIS		11.0
SODIUM (NA) TRC		2.0
POTASSIUM (K) DIS		80.0
POTASSIUM (K) TRC		20.0
TOTAL ALKALINITY AS CACO3		190.0
BICARBONATE (HCO3)		230.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		24.0
CHLORIDE (CL)		27.0
FLUORIDE (F)		1.3
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.04
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.144
BARIUM (BA) TRC		0.079
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.27
BORON (B) TRC		0.09
CADMIUM (CD) DIS		0.00016
CADMIUM (CD) TRC		0.00009
CHROMIUM (CR) DIS		0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		0.015
COPPER (CU) TRC		0.006
IRON (FE) DIS		0.25
IRON (FE) TRC		0.24
LEAD (PB) DIS		0.0009
LEAD (PB) TRC		0.0005
MANGANESE (MN) DIS		0.207

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1	SW-1
SAMPLE DATE	03/14/2012	03/23/2012
SAMPLE TIME	08:30	09:00
LAB	HYDRO	EL
LAB NUMBER		2030308006
REMARKS	NO SAMPLE	
OTHER INFO	Frozen	
SAMPLE NUMBER	OCC-1203-125	OCC-1203-121
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC		0.125
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		0.006
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		0.26
ZINC (ZN) TRC		0.12

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	03/14/2012
SAMPLE TIME	10:30
LAB	EL
LAB NUMBER	2030214001
SAMPLE NUMBER	OCC-1203-100
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.15
PH (FLD)	7.32
PH	7.8
SODIUM ADSORPTION RATIO	7.31
SC (UMHOS/CM AT 25 C)	3580.0
SC (UMHOS/CM AT 25 C) (FLD)	4550.0
TDS (MEASURED AT 180 C)	2540.0
TOTAL SUSPENDED SOLIDS	10.0
TURBIDITY (NTU)	3.1
WATER TEMPERATURE (FLD)	4.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	84.0
CALCIUM (CA) TRC	100.0
MAGNESIUM (MG) DIS	196.0
MAGNESIUM (MG) TRC	259.0
SODIUM (NA) DIS	536.0
SODIUM (NA) TRC	723.0
POTASSIUM (K) DIS	19.0
POTASSIUM (K) TRC	23.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.7
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.09
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.021
BARIUM (BA) TRC	0.028
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.52
BORON (B) TRC	0.62
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.22
IRON (FE) TRC	0.4
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.551
MANGANESE (MN) TRC	0.471

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	03/14/2012
SAMPLE TIME	10:30
LAB	EL
LAB NUMBER	2030214001
SAMPLE NUMBER	OCC-1203-100

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	03/14/2012
SAMPLE TIME	18:30
LAB	EL
LAB NUMBER	2030214010
SAMPLE NUMBER	OCC-1203-109

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.03
PH	8.1
SODIUM ADSORPTION RATIO	4.82
SC (UMHOS/CM AT 25 C)	3290.0
SC (UMHOS/CM AT 25 C) (FLD)	2950.0
TDS (MEASURED AT 180 C)	2490.0
TOTAL SUSPENDED SOLIDS	34.0
TURBIDITY (NTU)	20.1
WATER TEMPERATURE (FLD)	8.0

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	129.0
CALCIUM (CA) TRC	135.0
MAGNESIUM (MG) DIS	200.0
MAGNESIUM (MG) TRC	201.0
SODIUM (NA) DIS	375.0
SODIUM (NA) TRC	382.0
POTASSIUM (K) DIS	18.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	480.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.5

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.38

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.6
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.043
BARIUM (BA) TRC	0.048
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.24
BORON (B) TRC	0.25
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	1.11
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0007
MANGANESE (MN) DIS	0.571
MANGANESE (MN) TRC	0.595

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	03/14/2012
SAMPLE TIME	18:30
LAB	EL
LAB NUMBER	2030214010
SAMPLE NUMBER	OCC-1203-109

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3
SAMPLE DATE	03/14/2012
SAMPLE TIME	17:30
LAB	EL
LAB NUMBER	2030214009
SAMPLE NUMBER	OCC-1203-108

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.35
PH	7.2
SODIUM ADSORPTION RATIO	2.09
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1015.0
TDS (MEASURED AT 180 C)	746.0
TOTAL SUSPENDED SOLIDS	126.0
TURBIDITY (NTU)	60.1
WATER TEMPERATURE (FLD)	11.3

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	58.0
CALCIUM (CA) TRC	60.0
MAGNESIUM (MG) DIS	44.0
MAGNESIUM (MG) TRC	49.0
SODIUM (NA) DIS	90.0
SODIUM (NA) TRC	94.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	190.0
BICARBONATE (HCO3)	230.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	340.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.1

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.6
ALUMINUM (AL) TRC	1.4
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.059
BARIUM (BA) TRC	0.072
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.1
BORON (B) TRC	0.1
CADMIUM (CD) DIS	0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.002
COPPER (CU) DIS	0.004
COPPER (CU) TRC	0.005
IRON (FE) DIS	0.54
IRON (FE) TRC	1.91
LEAD (PB) DIS	0.0014
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.193
MANGANESE (MN) TRC	0.156

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3
SAMPLE DATE	03/14/2012
SAMPLE TIME	17:30
LAB	EL
LAB NUMBER	2030214009
SAMPLE NUMBER	OCC-1203-108

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.07
ZINC (ZN) TRC	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	16:00	17:00
LAB	HYDRO	EL
LAB NUMBER		2030308004
REMARKS	NO SAMPLE	
OTHER INFO	Frozen	
SAMPLE NUMBER	OCC-1203-129	OCC-1203-119
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	FROZEN	NO MEAS
PH (FLD)		7.66
PH		6.8
SODIUM ADSORPTION RATIO		0.59
SC (UMHOS/CM AT 25 C)		241.0
SC (UMHOS/CM AT 25 C) (FLD)		461.0
TDS (MEASURED AT 180 C)		190.0
TOTAL SUSPENDED SOLIDS		46.0
TURBIDITY (NTU)		26.3
WATER TEMPERATURE (FLD)		8.3
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		43.0
CALCIUM (CA) TRC		44.0
MAGNESIUM (MG) DIS		18.0
MAGNESIUM (MG) TRC		17.0
SODIUM (NA) DIS		18.0
SODIUM (NA) TRC		18.0
POTASSIUM (K) DIS		17.0
POTASSIUM (K) TRC		17.0
TOTAL ALKALINITY AS CACO3		93.0
BICARBONATE (HCO3)		110.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		13.0
CHLORIDE (CL)		3.0
FLUORIDE (F)		0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.38
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		0.3
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.106
BARIUM (BA) TRC		0.121
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.04
BORON (B) TRC		0.04
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		0.00009
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		0.001
COPPER (CU) DIS		0.006
COPPER (CU) TRC		0.008
IRON (FE) DIS		0.18
IRON (FE) TRC		0.61
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	16:00	17:00
LAB	HYDRO	EL
LAB NUMBER		2030308004
REMARKS	NO SAMPLE	
OTHER INFO	Frozen	
SAMPLE NUMBER	OCC-1203-129	OCC-1203-119
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) DIS		0.204
MANGANESE (MN) TRC		0.217
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		0.03
ZINC (ZN) TRC		0.03

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-5
SAMPLE DATE	03/14/2012
SAMPLE TIME	15:40
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1203-128

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	15:00	16:35
LAB	EL	HYDRO
LAB NUMBER	2030214006	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1203-105	OCC-1203-123
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	DRY
PH (FLD)	7.54	
PH	7.2	
SODIUM ADSORPTION RATIO	0.4	
SC (UMHOS/CM AT 25 C)	591.0	
SC (UMHOS/CM AT 25 C) (FLD)	578.0	
TDS (MEASURED AT 180 C)	500.0	
TOTAL SUSPENDED SOLIDS	200.0	
TURBIDITY (NTU)	111.0	
WATER TEMPERATURE (FLD)	11.2	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	60.0	
CALCIUM (CA) TRC	53.0	
MAGNESIUM (MG) DIS	21.0	
MAGNESIUM (MG) TRC	18.0	
SODIUM (NA) DIS	13.0	
SODIUM (NA) TRC	11.0	
POTASSIUM (K) DIS	28.0	
POTASSIUM (K) TRC	25.0	
TOTAL ALKALINITY AS CACO3	150.0	
BICARBONATE (HCO3)	180.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	110.0	
CHLORIDE (CL)	17.0	
FLUORIDE (F)	<0.1	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.06	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	0.8	
ALUMINUM (AL) TRC	0.5	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.146	
BARIUM (BA) TRC	0.13	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.03	
BORON (B) TRC	0.02	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	0.0001	
CHROMIUM (CR) DIS	0.002	
CHROMIUM (CR) TRC	0.001	
COPPER (CU) DIS	0.01	
COPPER (CU) TRC	0.006	
IRON (FE) DIS	1.34	
IRON (FE) TRC	1.31	
LEAD (PB) DIS	0.0006	
LEAD (PB) TRC	0.0008	
MANGANESE (MN) DIS	0.137	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	15:00	16:35
LAB	EL	HYDRO
LAB NUMBER	2030214006	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1203-105	OCC-1203-123

-- METALS & MINOR CONSTITUENTS --

MANGANESE	(MN)	TRC	0.141
MERCURY	(HG)	DIS	<0.00005
MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	<0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	<0.01
SELENIUM	(SE)	DIS	<0.001
SELENIUM	(SE)	TRC	<0.001
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	0.05
ZINC	(ZN)	TRC	0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7
SAMPLE DATE	03/14/2012
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	2030214007
SAMPLE NUMBER	OCC-1203-106

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS
PH (FLD)	7.84
SODIUM ADSORPTION RATIO	0.85
SC (UMHOS/CM AT 25 C) (FLD)	714.0
WATER TEMPERATURE (FLD)	11.5

-- MAJOR CONSTITUENTS --

CALCIUM (CA) TRC	65.0
MAGNESIUM (MG) TRC	28.0
SODIUM (NA) TRC	33.0
POTASSIUM (K) TRC	44.0

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) TRC	0.6
ARSENIC (AS) TRC	<0.003
BARIUM (BA) TRC	0.075
BERYLLIUM (BE) TRC	<0.001
BORON (B) TRC	0.07
CADMIUM (CD) TRC	0.00013
CHROMIUM (CR) TRC	0.002
COPPER (CU) TRC	0.014
IRON (FE) TRC	1.02
LEAD (PB) TRC	0.0011
MANGANESE (MN) TRC	0.158
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) TRC	0.006
NICKEL (NI) TRC	<0.01
SELENIUM (SE) TRC	<0.001
VANADIUM (V) TRC	<0.1
ZINC (ZN) TRC	0.25

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	03/14/2012
SAMPLE TIME	12:45
LAB	EL
LAB NUMBER	2030214003
SAMPLE NUMBER	OCC-1203-102
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.6
PH	7.5
SODIUM ADSORPTION RATIO	3.87
SC (UMHOS/CM AT 25 C)	3140.0
SC (UMHOS/CM AT 25 C) (FLD)	2900.0
TDS (MEASURED AT 180 C)	2500.0
TOTAL SUSPENDED SOLIDS	20.0
TURBIDITY (NTU)	2.0
WATER TEMPERATURE (FLD)	5.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	243.0
CALCIUM (CA) TRC	240.0
MAGNESIUM (MG) DIS	153.0
MAGNESIUM (MG) TRC	148.0
SODIUM (NA) DIS	312.0
SODIUM (NA) TRC	314.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.09
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.05
BARIUM (BA) TRC	0.054
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.07
BORON (B) TRC	0.07
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.27
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	3.42
MANGANESE (MN) TRC	3.19

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	03/14/2012
SAMPLE TIME	12:45
LAB	EL
LAB NUMBER	2030214003
SAMPLE NUMBER	OCC-1203-102

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	03/14/2012
SAMPLE TIME	13:20
LAB	EL
LAB NUMBER	2030214004
SAMPLE NUMBER	OCC-1203-103
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.76
PH	7.9
SODIUM ADSORPTION RATIO	7.67
SC (UMHOS/CM AT 25 C)	5410.0
SC (UMHOS/CM AT 25 C) (FLD)	4830.0
TDS (MEASURED AT 180 C)	4540.0
TOTAL SUSPENDED SOLIDS	16.0
TURBIDITY (NTU)	2.9
WATER TEMPERATURE (FLD)	5.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	237.0
CALCIUM (CA) TRC	244.0
MAGNESIUM (MG) DIS	281.0
MAGNESIUM (MG) TRC	285.0
SODIUM (NA) DIS	737.0
SODIUM (NA) TRC	746.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	13.0
TOTAL ALKALINITY AS CACO3	380.0
BICARBONATE (HCO3)	470.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.052
BARIUM (BA) TRC	0.052
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.28
BORON (B) TRC	0.27
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.004
COPPER (CU) TRC	0.004
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.27
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.132
MANGANESE (MN) TRC	0.134
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	03/14/2012
SAMPLE TIME	13:20
LAB	EL
LAB NUMBER	2030214004
SAMPLE NUMBER	OCC-1203-103

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	0.01
NICKEL (NI) TRC	0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.04
ZINC (ZN) TRC	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	03/14/2012
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	2030314002
SAMPLE NUMBER	OCC-1203-101
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.49
PH (FLD)	7.71
PH	8.0
SODIUM ADSORPTION RATIO	5.33
SC (UMHOS/CM AT 25 C)	3250.0
SC (UMHOS/CM AT 25 C) (FLD)	3240.0
TDS (MEASURED AT 180 C)	2390.0
TOTAL SUSPENDED SOLIDS	6.0
TURBIDITY (NTU)	4.9
WATER TEMPERATURE (FLD)	6.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	145.0
CALCIUM (CA) TRC	151.0
MAGNESIUM (MG) DIS	164.0
MAGNESIUM (MG) TRC	166.0
SODIUM (NA) DIS	394.0
SODIUM (NA) TRC	407.0
POTASSIUM (K) DIS	13.0
POTASSIUM (K) TRC	13.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.4
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.16
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.046
BARIUM (BA) TRC	0.046
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.25
BORON (B) TRC	0.25
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.47
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.484
MANGANESE (MN) TRC	0.48

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	03/14/2012
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	2030214002
SAMPLE NUMBER	OCC-1203-101

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.002
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.02
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	12:05	14:00
LAB	HYDRO	EL
LAB NUMBER		2030308003
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1203-127	OCC-1203-118
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	NO MEAS
PH (FLD)		8.12
PH		7.5
SODIUM ADSORPTION RATIO		5.3
SC (UMHOS/CM AT 25 C)		3360.0
SC (UMHOS/CM AT 25 C) (FLD)		3120.0
TDS (MEASURED AT 180 C)		2760.0
TOTAL SUSPENDED SOLIDS		6.0
TURBIDITY (NTU)		5.5
WATER TEMPERATURE (FLD)		11.1
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		160.0
CALCIUM (CA) TRC		165.0
MAGNESIUM (MG) DIS		183.0
MAGNESIUM (MG) TRC		184.0
SODIUM (NA) DIS		414.0
SODIUM (NA) TRC		426.0
POTASSIUM (K) DIS		13.0
POTASSIUM (K) TRC		14.0
TOTAL ALKALINITY AS CACO3		610.0
BICARBONATE (HCO3)		740.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		1400.0
CHLORIDE (CL)		10.0
FLUORIDE (F)		0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.07
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.045
BARIUM (BA) TRC		0.047
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.3
BORON (B) TRC		0.31
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		0.001
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.41
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		<0.0005
MANGANESE (MN) DIS		0.536

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12
SAMPLE DATE	03/14/2012	03/22/2012
SAMPLE TIME	12:05	14:00
LAB	HYDRO	EL
LAB NUMBER		2030306003
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1203-127	OCC-1203-118
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC		0.542
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		0.003
SELENIUM (SE) TRC		0.002
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13
SAMPLE DATE	03/14/2012	03/23/2012
SAMPLE TIME	16:40	09:30
LAB	EL	HYDRO
LAB NUMBER	2030214008	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1203-107	OCC-1203-124
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	DRY
PH (FLD)	8.08	
PH	7.5	
SODIUM ADSORPTION RATIO	3.73	
SC (UMHOS/CM AT 25 C)	690.0	
SC (UMHOS/CM AT 25 C) (FLD)	656.0	
TDS (MEASURED AT 180 C)	414.0	
TOTAL SUSPENDED SOLIDS	118.0	
TURBIDITY (NTU)	79.9	
WATER TEMPERATURE (FLD)	6.8	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	18.0	
CALCIUM (CA) TRC	22.0	
MAGNESIUM (MG) DIS	17.0	
MAGNESIUM (MG) TRC	19.0	
SODIUM (NA) DIS	93.0	
SODIUM (NA) TRC	96.0	
POTASSIUM (K) DIS	7.0	
POTASSIUM (K) TRC	8.0	
TOTAL ALKALINITY AS CACO3	99.0	
BICARBONATE (HCO3)	120.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	220.0	
CHLORIDE (CL)	3.0	
FLUORIDE (F)	0.1	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.05	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	0.3	
ALUMINUM (AL) TRC	2.3	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.028	
BARIUM (BA) TRC	0.057	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.05	
BORON (B) TRC	0.05	
CADMIUM (CD) DIS	0.00009	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	0.003	
COPPER (CU) DIS	0.004	
COPPER (CU) TRC	0.007	
IRON (FE) DIS	0.34	
IRON (FE) TRC	3.1	
LEAD (PB) DIS	0.0024	
LEAD (PB) TRC	<0.0005	
MANGANESE (MN) DIS	0.134	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13
SAMPLE DATE	03/14/2012	03/23/2012
SAMPLE TIME	16:40	09:30
LAB	EL	HYDRO
LAB NUMBER	2030214008	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1203-107	OCC-1203-124

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.076	
MERCURY (HG) DIS	<0.00005	
MERCURY (HG) TOT	<0.00005	
MOLYBDENUM (MO) DIS	<0.005	
MOLYBDENUM (MO) TRC	<0.005	
NICKEL (NI) DIS	<0.01	
NICKEL (NI) TRC	<0.01	
SELENIUM (SE) DIS	<0.001	
SELENIUM (SE) TRC	<0.001	
VANADIUM (V) DIS	<0.1	
VANADIUM (V) TRC	<0.1	
ZINC (ZN) DIS	<0.01	
ZINC (ZN) TRC	0.02	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14
SAMPLE DATE	03/15/2012	03/22/2012
SAMPLE TIME	08:10	14:10
LAB	HYDRO	EL
LAB NUMBER		2030308002
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1203-130	OCC-1203-117
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	FROZEN	NO MEAS
PH (FLD)		7.17
SODIUM ADSORPTION RATIO		1.72
SC (UMHOS/CM AT 25 C) (FLD)		912.0
WATER TEMPERATURE (FLD)		13.3
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) TRC		81.0
MAGNESIUM (MG) TRC		45.0
SODIUM (NA) TRC		78.0
POTASSIUM (K) TRC		13.0
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) TRC		2.7
ARSENIC (AS) TRC		<0.003
BARIUM (BA) TRC		0.132
BERYLLIUM (BE) TRC		<0.001
BORON (B) TRC		0.05
CADMIUM (CD) TRC		0.00021
CHROMIUM (CR) TRC		0.003
COPPER (CU) TRC		0.02
IRON (FE) TRC		2.8
LEAD (PB) TRC		0.0063
MANGANESE (MN) TRC		0.165
MERCURY (HG) TOT		0.00005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) TRC		0.01
SELENIUM (SE) TRC		<0.001
VANADIUM (V) TRC		<0.1
ZINC (ZN) TRC		0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-15
SAMPLE DATE	03/15/2012
SAMPLE TIME	08:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1203-131

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	03/15/2012	03/15/2012
SAMPLE TIME	09:40	09:41
LAB	EL	EL
LAB NUMBER	2030214012	2030214013
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1203-111	OCC-1203-112
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	6.92	
PH (FLD)	8.03	
PH	8.0	8.0
SODIUM ADSORPTION RATIO	4.9	4.87
SC (UMHOS/CM AT 25 C)	3380.0	3380.0
SC (UMHOS/CM AT 25 C) (FLD)	3140.0	
TDS (MEASURED AT 180 C)	2460.0	2550.0
TOTAL SUSPENDED SOLIDS	18.0	16.0
TURBIDITY (NTU)	13.1	13.7
WATER TEMPERATURE (FLD)	5.9	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	133.0	133.0
CALCIUM (CA) TRC	140.0	137.0
MAGNESIUM (MG) DIS	207.0	207.0
MAGNESIUM (MG) TRC	209.0	205.0
SODIUM (NA) DIS	387.0	385.0
SODIUM (NA) TRC	402.0	393.0
POTASSIUM (K) DIS	18.0	18.0
POTASSIUM (K) TRC	18.0	18.0
TOTAL ALKALINITY AS CACO3	500.0	500.0
BICARBONATE (HCO3)	610.0	610.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1500.0	1500.0
CHLORIDE (CL)	14.0	14.0
FLUORIDE (F)	0.5	0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.36	0.36
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.2	0.2
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.043	0.041
BARIUM (BA) TRC	0.046	0.045
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.26	0.25
BORON (B) TRC	0.26	0.25
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.001	0.001
IRON (FE) DIS	0.06	0.06
IRON (FE) TRC	0.75	0.74
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005
MANGANESE (MN) DIS	0.63	0.586

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	03/15/2012	03/15/2012
SAMPLE TIME	09:40	09:41
LAB	EL	EL
LAB NUMBER	2030214012	2030214013
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1203-111	OCC-1203-112
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC	0.618	0.63
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	0.001	0.001
SELENIUM (SE) TRC	0.001	0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	03/15/2012
SAMPLE TIME	09:00
LAB	EL
LAB NUMBER	2030214011
SAMPLE NUMBER	OCC-1203-110

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS
PH (FLD)	7.6
SODIUM ADSORPTION RATIO	3.61
SC (UMHOS/CM AT 25 C) (FLD)	2370.0
WATER TEMPERATURE (FLD)	2.7

-- MAJOR CONSTITUENTS --

CALCIUM (CA)	TRC	193.0
MAGNESIUM (MG)	TRC	106.0
SODIUM (NA)	TRC	252.0
POTASSIUM (K)	TRC	37.0

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL)	TRC	3.2
ARSENIC (AS)	TRC	<0.003
BARIUM (BA)	TRC	0.076
BERYLLIUM (BE)	TRC	<0.001
BORON (B)	TRC	0.1
CADMIUM (CD)	TRC	0.00016
CHROMIUM (CR)	TRC	0.006
COPPER (CU)	TRC	0.024
IRON (FE)	TRC	6.32
LEAD (PB)	TRC	0.0064
MANGANESE (MN)	TRC	0.815
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	TRC	0.02
SELENIUM (SE)	TRC	0.001
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	TRC	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18
SAMPLE DATE	03/15/2012	03/22/2012
SAMPLE TIME	11:40	10:20
LAB	HYDRO	EL
LAB NUMBER		2030308001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1203-132	OCC-1203-116
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	FROZEN	NO MEAS
PH (FLD)		7.63
PH		6.7
SODIUM ADSORPTION RATIO		0.42
SC (UMHOS/CM AT 25 C)		517.0
SC (UMHOS/CM AT 25 C) (FLD)		394.0
TDS (MEASURED AT 180 C)		470.0
TOTAL SUSPENDED SOLIDS		8700.0
		H
WATER TEMPERATURE (FLD)		3.1
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		39.0
CALCIUM (CA) TRC		22.0
MAGNESIUM (MG) DIS		21.0
MAGNESIUM (MG) TRC		11.0
SODIUM (NA) DIS		13.0
SODIUM (NA) TRC		8.0
POTASSIUM (K) DIS		65.0
POTASSIUM (K) TRC		42.0
TOTAL ALKALINITY AS CACO3		170.0
BICARBONATE (HCO3)		210.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		42.0
CHLORIDE (CL)		15.0
FLUORIDE (F)		0.4
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.02
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.066
BARIUM (BA) TRC		0.041
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.07
BORON (B) TRC		0.04
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		0.007
COPPER (CU) TRC		0.005
IRON (FE) DIS		0.35
IRON (FE) TRC		0.35
LEAD (PB) DIS		0.0007
LEAD (PB) TRC		0.0008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18
SAMPLE DATE	03/15/2012	03/22/2012
SAMPLE TIME	11:40	10:20
LAB	HYDRO	EL
LAB NUMBER		2030308001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1203-132	OCC-1203-116
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) DIS		0.1
MANGANESE (MN) TRC		0.064
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		0.04
ZINC (ZN) TRC		0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19
SAMPLE DATE	03/15/2012
SAMPLE TIME	17:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1203-133

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20	SW-20
SAMPLE DATE	03/15/2012	03/22/2012
SAMPLE TIME	12:30	10:00
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1203-134	OCC-1203-122

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-21
SAMPLE DATE	03/15/2012
SAMPLE TIME	13:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	DCC-1203-135

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	03/15/2012
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	2030214015
SAMPLE NUMBER	DCC-1203-114
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	5.1
PH (FLD)	8.1
PH	8.1
SODIUM ADSORPTION RATIO	5.0
SC (UMHOS/CM AT 25 C)	3520.0
SC (UMHOS/CM AT 25 C) (FLD)	3420.0
TDS (MEASURED AT 180 C)	2700.0
TOTAL SUSPENDED SOLIDS	32.0
TURBIDITY (NTU)	15.6
WATER TEMPERATURE (FLD)	9.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	140.0
CALCIUM (CA) TRC	145.0
MAGNESIUM (MG) DIS	218.0
MAGNESIUM (MG) TRC	216.0
SODIUM (NA) DIS	405.0
SODIUM (NA) TRC	413.0
POTASSIUM (K) DIS	18.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.36
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.042
BARIUM (BA) TRC	0.048
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.25
BORON (B) TRC	0.25
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.83
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.563
MANGANESE (MN) TRC	0.528

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	03/15/2012
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	2030214015
SAMPLE NUMBER	OCC-1203-114

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23
SAMPLE DATE	03/15/2012
SAMPLE TIME	13:30
LAB	BL
LAB NUMBER	2030214014
SAMPLE NUMBER	OCC-1203-113

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.86
PH	7.9
SODIUM ADSORPTION RATIO	4.98
SC (UMHOS/CM AT 25 C)	3090.0
SC (UMHOS/CM AT 25 C) (FLD)	2970.0
TDS (MEASURED AT 180 C)	2270.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	3.5
WATER TEMPERATURE (FLD)	9.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	113.0
CALCIUM (CA) TRC	115.0
MAGNESIUM (MG) DIS	189.0
MAGNESIUM (MG) TRC	184.0
SODIUM (NA) DIS	373.0
SODIUM (NA) TRC	366.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.5

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.026
BARIUM (BA) TRC	0.027
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.31
BORON (B) TRC	0.33
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.31
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.057
MANGANESE (MN) TRC	0.056

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23
SAMPLE DATE	03/15/2012
SAMPLE TIME	13:30
LAB	EL
LAB NUMBER	2030214014
SAMPLE NUMBER	DCC-1203-113

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24
SAMPLE DATE	03/14/2012
SAMPLE TIME	09:40
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
OTHER INFO	No Water
SAMPLE NUMBER	OCC-1203-136

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A1
SAMPLE DATE	01/04/2012
SAMPLE TIME	16:45
LAB	EL
LAB NUMBER	2010106013
SAMPLE NUMBER	OTRCR1201-112
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.96
PH (FLD)	7.91
PH	8.3
SODIUM ADSORPTION RATIO	8.26
SC (UMHOS/CM AT 25 C)	2800.0
SC (UMHOS/CM AT 25 C) (FLD)	2780.0
TDS (MEASURED AT 180 C)	1680.0
WATER TEMPERATURE (FLD)	9.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	55.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	422.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	800.0
CHLORIDE (CL)	59.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.037
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.012
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.013
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.006
VANADIUM (V) DIS	0.3
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	01/11/2012
SAMPLE TIME	10:55
LAB	EL
LAB NUMBER	2010179006
SAMPLE NUMBER	OTRCR1201-205

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.99
PH (FLD)	7.49
PH	7.5
SODIUM ADSORPTION RATIO	5.2
SC (UMHOS/CM AT 25 C)	3460.0
SC (UMHOS/CM AT 25 C) (FLD)	3270.0
TDS (MEASURED AT 180 C)	2460.0
WATER TEMPERATURE (FLD)	9.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	132.0
MAGNESIUM (MG) DIS	188.0
SODIUM (NA) DIS	398.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.48
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.38
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.253
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	01/11/2012
SAMPLE TIME	09:45
LAB	EL
LAB NUMBER	2010179005
SAMPLE NUMBER	OTRCR1201-204

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.58
PH (FLD)	7.54
PH	7.5
SODIUM ADSORPTION RATIO	4.64
SC (UMHOS/CM AT 25 C)	3150.0
SC (UMHOS/CM AT 25 C) (FLD)	3010.0
TDS (MEASURED AT 180 C)	2300.0
WATER TEMPERATURE (FLD)	9.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	121.0
MAGNESIUM (MG) DIS	178.0
SODIUM (NA) DIS	343.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.26
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5	A5
SAMPLE DATE	01/12/2012	01/12/2012
SAMPLE TIME	11:42	11:40
LAB	EL	EL
LAB NUMBER	2011023012	2011023013
REMARKS	DUPLICATE	
SAMPLE NUMBER	OTRCR1201-131	OTRCR1201-132
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)		7.31
PH (FLD)		7.26
PH	7.4	7.3
SODIUM ADSORPTION RATIO	5.94	6.17
SC (UMHOS/CM AT 25 C)	3940.0	3940.0
SC (UMHOS/CM AT 25 C) (FLD)		3758.0
TDS (MEASURED AT 180 C)	3220.0	3320.0
WATER TEMPERATURE (FLD)		10.6
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	196.0	197.0
MAGNESIUM (MG) DIS	214.0	221.0
SODIUM (NA) DIS	506.0	530.0
POTASSIUM (K) DIS	16.0	17.0
TOTAL ALKALINITY AS CACO3	656.0	679.0
BICARBONATE (HCO3)	800.0	828.0
CARBONATE AS CO3	<4.0	<4.0
SULFATE (SO4)	1940.0	2010.0
CHLORIDE (CL)	11.0	12.0
FLUORIDE (F)	0.5	0.5
HYDROXIDE (OH)	<4.0	<4.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.39	0.4
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.023	0.024
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.28	0.3
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	0.002	0.002
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	01/10/2012
SAMPLE TIME	13:20
LAB	EL
LAB NUMBER	2010179002
SAMPLE NUMBER	OTRCR1201-201

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.3
PH (FLD)	7.33
PH	7.5
SODIUM ADSORPTION RATIO	10.6
SC (UMHOS/CM AT 25 C)	6650.0
SC (UMHOS/CM AT 25 C) (FLD)	6210.0
TDS (MEASURED AT 180 C)	5330.0
WATER TEMPERATURE (FLD)	10.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	206.0
MAGNESIUM (MG) DIS	340.0
SODIUM (NA) DIS	1070.0
POTASSIUM (K) DIS	30.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3400.0
CHLORIDE (CL)	28.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.72
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.2
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	01/11/2012
SAMPLE TIME	11:58
LAB	EL
LAB NUMBER	2010179007
SAMPLE NUMBER	OTRCR1201-206

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.37
PH (FLD)	7.55
PH	7.5
SODIUM ADSORPTION RATIO	7.22
SC (UMHOS/CM AT 25 C)	3920.0
SC (UMHOS/CM AT 25 C) (FLD)	3730.0
TDS (MEASURED AT 180 C)	2900.0
WATER TEMPERATURE (FLD)	8.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	136.0
MAGNESIUM (MG) DIS	193.0
SODIUM (NA) DIS	558.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.31
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.518
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	01/26/2012
SAMPLE TIME	14:12
LAB	EL
LAB NUMBER	2010303011
SAMPLE NUMBER	OTRCR1201-151

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.82
PH (FLD)	7.63
PH	7.7
SODIUM ADSORPTION RATIO	5.13
SC (UMHOS/CM AT 25 C)	1790.0
SC (UMHOS/CM AT 25 C) (FLD)	1731.0
TDS (MEASURED AT 180 C)	1170.0
WATER TEMPERATURE (FLD)	9.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	54.0
MAGNESIUM (MG) DIS	65.0
SODIUM (NA) DIS	236.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	6.0
SULFATE (SO4)	410.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.6
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.65
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.191
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	01/10/2012
SAMPLE TIME	17:05
LAB	EL
LAB NUMBER	2010179004
SAMPLE NUMBER	OTRCR1201-203

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	4.89
PH (FLD)	7.46
PH	7.6
SODIUM ADSORPTION RATIO	5.83
SC (UMHOS/CM AT 25 C)	3330.0
SC (UMHOS/CM AT 25 C) (FLD)	3110.0
TDS (MEASURED AT 180 C)	2410.0
WATER TEMPERATURE (FLD)	9.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	109.0
MAGNESIUM (MG) DIS	162.0
SODIUM (NA) DIS	410.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	9.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.53
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.19
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.729
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	01/10/2012
SAMPLE TIME	12:15
LAB	EL
LAB NUMBER	2010179001
SAMPLE NUMBER	OTRCR1201-200

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.89
PH (FLD)	7.26
PH	7.4
SODIUM ADSORPTION RATIO	6.83
SC (UMHOS/CM AT 25 C)	5000.0
SC (UMHOS/CM AT 25 C) (FLD)	4930.0
TDS (MEASURED AT 180 C)	3960.0
WATER TEMPERATURE (FLD)	9.9

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	206.0
MAGNESIUM (MG) DIS	296.0
SODIUM (NA) DIS	654.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2300.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.84
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.63
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	01/26/2012
SAMPLE TIME	12:01
LAB	EL
LAB NUMBER	2010303009
SAMPLE NUMBER	OTRCR1201-149

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	14.22
PH (FLD)	7.63
PH	7.5
SODIUM ADSORPTION RATIO	2.94
SC (UMHOS/CM AT 25 C)	1560.0
SC (UMHOS/CM AT 25 C) (FLD)	1508.0
TDS (MEASURED AT 180 C)	1010.0
WATER TEMPERATURE (FLD)	8.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	74.0
SODIUM (NA) DIS	149.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	430.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	380.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.64

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.63
CADMIUM (CD) DIS	0.00094
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.057
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVP6-3
SAMPLE DATE	01/10/2012
SAMPLE TIME	15:49
LAB	EL
LAB NUMBER	2010179003
SAMPLE NUMBER	OTRCR1201-202

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.75
PH (FLD)	7.46
PH	7.6
SODIUM ADSORPTION RATIO	6.32
SC (UMHOS/CM AT 25 C)	3020.0
SC (UMHOS/CM AT 25 C) (FLD)	2850.0
TDS (MEASURED AT 180 C)	2040.0
WATER TEMPERATURE (FLD)	10.3

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	104.0
MAGNESIUM (MG) DIS	126.0
SODIUM (NA) DIS	405.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	14.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.91

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.007
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.165
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	01/03/2012
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	2010106004
SAMPLE NUMBER	OTRCR1201-103

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.76
PH (FLD)	7.73
PH	8.0
SODIUM ADSORPTION RATIO	1.76
SC (UMHOS/CM AT 25 C)	1470.0
SC (UMHOS/CM AT 25 C) (FLD)	1500.0
TDS (MEASURED AT 180 C)	916.0
WATER TEMPERATURE (FLD)	11.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	65.0
MAGNESIUM (MG) DIS	98.0
SODIUM (NA) DIS	96.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	280.0
BICARBONATE (HCO3)	350.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	510.0
CHLORIDE (CL)	6.5
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.18
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.36
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.031
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.019
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	01/11/2012
SAMPLE TIME	09:21
LAB	EL
LAB NUMBER	2011023005
SAMPLE NUMBER	OTRCR1201-124

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.79
PH (FLD)	7.58
PH	8.1
SODIUM ADSORPTION RATIO	58.6
SC (UMHOS/CM AT 25 C)	4710.0
SC (UMHOS/CM AT 25 C) (FLD)	4646.0
TDS (MEASURED AT 180 C)	3310.0
WATER TEMPERATURE (FLD)	12.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	21.0
MAGNESIUM (MG) DIS	8.0
SODIUM (NA) DIS	1250.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	1210.0
BICARBONATE (HCO3)	1440.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	1460.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.18
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.25
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.065
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	01/11/2012
SAMPLE TIME	09:42
LAB	EL
LAB NUMBER	2011023006
SAMPLE NUMBER	OTRCR1201-125

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.88
PH (FLD)	8.57
PH	8.4
SODIUM ADSORPTION RATIO	48.6
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1139.0
TDS (MEASURED AT 180 C)	695.0
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	311.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	618.0
BICARBONATE (HCO3)	695.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	34.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.01
BARIUM (BA) DIS	0.057
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	0.0013
MANGANESE (MN) DIS	0.042
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	01/04/2012
SAMPLE TIME	09:22
LAB	EL
LAB NUMBER	2010106007
SAMPLE NUMBER	OTRCR1201-106

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.38
PH (FLD)	6.99
PH	7.4
SODIUM ADSORPTION RATIO	23.2
SC (UMHOS/CM AT 25 C)	6820.0
SC (UMHOS/CM AT 25 C) (FLD)	7050.0
TDS (MEASURED AT 180 C)	5080.0
WATER TEMPERATURE (FLD)	14.1

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	158.0
MAGNESIUM (MG) DIS	71.0
SODIUM (NA) DIS	1400.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	870.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3000.0
CHLORIDE (CL)	42.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.67
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.004
COPPER (CU) DIS	0.003
IRON (FE) DIS	1.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.148
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	01/04/2012
SAMPLE TIME	11:05
LAB	EL
LAB NUMBER	2010106008
SAMPLE NUMBER	OTRCR1201-107

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	196.61
PH (FLD)	8.69
PH	8.6
SODIUM ADSORPTION RATIO	40.2
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1240.0
TDS (MEASURED AT 180 C)	688.0
WATER TEMPERATURE (FLD)	14.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	282.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	660.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	3.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.06
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.023
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	01/03/2012
SAMPLE TIME	14:22
LAB	EL
LAB NUMBER	2010106003
SAMPLE NUMBER	OTRCR1201-102

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.37
PH (FLD)	7.53
PH	7.9
SODIUM ADSORPTION RATIO	26.3
SC (UMHOS/CM AT 25 C)	5430.0
SC (UMHOS/CM AT 25 C) (FLD)	5520.0
TDS (MEASURED AT 180 C)	3690.0
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1120.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2200.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.36
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.114
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-D
SAMPLE DATE	01/04/2012
SAMPLE TIME	07:50
LAB	EL
LAB NUMBER	2010106006
SAMPLE NUMBER	OTRCR1201-105

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.13
PH (FLD)	7.11
PH	7.1
SODIUM ADSORPTION RATIO	3.83
SC (UMHOS/CM AT 25 C)	4440.0
SC (UMHOS/CM AT 25 C) (FLD)	4540.0
TDS (MEASURED AT 180 C)	3620.0
WATER TEMPERATURE (FLD)	10.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	150.0
MAGNESIUM (MG) DIS	416.0
SODIUM (NA) DIS	402.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.19
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	01/05/2012
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	2010106001
SAMPLE NUMBER	OTRCR1201-100

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	184.27
PH (FLD)	8.47
PH	8.4
SODIUM ADSORPTION RATIO	43.6
SC (UMHOS/CM AT 25 C)	2230.0
SC (UMHOS/CM AT 25 C) (FLD)	2280.0
TDS (MEASURED AT 180 C)	1330.0
WATER TEMPERATURE (FLD)	14.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	495.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	22.0
SULFATE (SO4)	440.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.6
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	01/04/2012
SAMPLE TIME	14:48
LAB	EL
LAB NUMBER	2010106011
SAMPLE NUMBER	OTRCR1201-110

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.52
PH (FLD)	8.26
PH	8.4
SODIUM ADSORPTION RATIO	53.4
SC (UMHOS/CM AT 25 C)	1290.0
SC (UMHOS/CM AT 25 C) (FLD)	1310.0
TDS (MEASURED AT 180 C)	774.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	330.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	<2.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.6
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.072
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.18
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.19
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	01/04/2012
SAMPLE TIME	14:05
LAB	EL
LAB NUMBER	2010106010
SAMPLE NUMBER	OTRCR1201-109

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	145.2
PH (FLD)	8.19
PH	8.1
SODIUM ADSORPTION RATIO	49.3
SC (UMHOS/CM AT 25 C)	2380.0
SC (UMHOS/CM AT 25 C) (FLD)	2400.0
TDS (MEASURED AT 180 C)	2030.0
WATER TEMPERATURE (FLD)	11.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	528.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	840.0
BICARBONATE (HCO3)	980.0
CARBONATE AS CO3	18.0
SULFATE (SO4)	370.0
CHLORIDE (CL)	47.0
FLUORIDE (F)	4.0
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.6
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.032
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.21
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.178
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	01/04/2012
SAMPLE TIME	13:58
LAB	EL
LAB NUMBER	2010106009
SAMPLE NUMBER	OTRCR1201-108

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.47
PH (FLD)	8.79
PH	8.7
SODIUM ADSORPTION RATIO	43.7
SC (UMHOS/CM AT 25 C)	1090.0
SC (UMHOS/CM AT 25 C) (FLD)	1120.0
TDS (MEASURED AT 180 C)	608.0
WATER TEMPERATURE (FLD)	16.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	257.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<5.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.07
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.10
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	01/12/2012
SAMPLE TIME	09:15
LAB	EL
LAB NUMBER	2011023009
SAMPLE NUMBER	OTRCR1201-128

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	127.04
PH (FLD)	8.18
PH	8.2
SODIUM ADSORPTION RATIO	53.6
SC (UMHOS/CM AT 25 C)	1450.0
SC (UMHOS/CM AT 25 C) (FLD)	1377.0
TDS (MEASURED AT 180 C)	886.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	386.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	973.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	4.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.098
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-D
SAMPLE DATE	01/12/2012
SAMPLE TIME	10:50
LAB	EL
LAB NUMBER	2011023011
SAMPLE NUMBER	OTRCR1201-13D

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	96.15
PH (FLD)	8.5
PH	8.0
SODIUM ADSORPTION RATIO	53.5
SC (UMHOS/CM AT 25 C)	5380.0
SC (UMHOS/CM AT 25 C) (FLD)	4925.0
TDS (MEASURED AT 180 C)	3910.0
WATER TEMPERATURE (FLD)	11.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	28.0
MAGNESIUM (MG) DIS	14.0
SODIUM (NA) DIS	1380.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1290.0
BICARBONATE (HCO3)	1560.0
CARBONATE AS CO3	10.0
SULFATE (SO4)	1810.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.25
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.002
IRON (FE) DIS	0.19
LEAD (PB) DIS	0.0006
MANGANESE (MN) DIS	0.195
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	01/12/2012
SAMPLE TIME	10:05
LAB	EL
LAB NUMBER	2011023010
SAMPLE NUMBER	OTRCR1201-129

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.44
PH (FLD)	8.58
PH	8.5
SODIUM ADSORPTION RATIO	44.4
SC (UMHOS/CM AT 25 C)	959.0
SC (UMHOS/CM AT 25 C) (FLD)	909.0
TDS (MEASURED AT 180 C)	577.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	247.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	517.0
BICARBONATE (HCO3)	579.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	01/10/2012
SAMPLE TIME	12:37
LAB	EL
LAB NUMBER	2011023003
SAMPLE NUMBER	OTRCR1201-122

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	207.99
PH (FLD)	9.16
PH	8.4
SODIUM ADSORPTION RATIO	47.6
SC (UMHOS/CM AT 25 C)	1550.0
SC (UMHOS/CM AT 25 C) (FLD)	1521.0
TDS (MEASURED AT 180 C)	976.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	363.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	328.0
BICARBONATE (HCO3)	375.0
CARBONATE AS CO3	12.0
SULFATE (SO4)	431.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	01/10/2012
SAMPLE TIME	11:16
LAB	EL
LAB NUMBER	2011023002
SAMPLE NUMBER	OTRCR1201-121

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.23
PH (FLD)	8.61
PH	8.2
SODIUM ADSORPTION RATIO	52.4
SC (UMHOS/CM AT 25 C)	1870.0
SC (UMHOS/CM AT 25 C) (FLD)	1837.0
TDS (MEASURED AT 180 C)	1160.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	492.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	891.0
BICARBONATE (HCO3)	1030.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	157.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.044
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-0
SAMPLE DATE	01/10/2012
SAMPLE TIME	10:08
LAB	EL
LAB NUMBER	2011023001
SAMPLE NUMBER	OTRCR1201-120

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.94
PH (FLD)	8.15
PH	8.0
SODIUM ADSORPTION RATIO	57.2
SC (UMHOS/CM AT 25 C)	4860.0
SC (UMHOS/CM AT 25 C) (FLD)	4906.0
TDS (MEASURED AT 180 C)	3440.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	21.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1260.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	875.0
BICARBONATE (HCO3)	1050.0
CARBONATE AS CO3	9.0
SULFATE (SO4)	1860.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.13
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.071
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	01/11/2012
SAMPLE TIME	12:15
LAB	EL
LAB NUMBER	2011023007
SAMPLE NUMBER	OTRCR1201-126

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.36
PH (FLD)	8.78
PH	8.6
SODIUM ADSORPTION RATIO	50.6
SC (UMHOS/CM AT 25 C)	1020.0
SC (UMHOS/CM AT 25 C) (FLD)	1005.0
TDS (MEASURED AT 180 C)	612.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	264.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	528.0
BICARBONATE (HCO3)	583.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	42.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.056
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.005
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	BB-KL
SAMPLE DATE	01/10/2012
SAMPLE TIME	15:43
LAB	EL
LAB NUMBER	2011023004
SAMPLE NUMBER	OTRCR1201-123

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.37
PH (FLD)	8.93
PH	8.3
SODIUM ADSORPTION RATIO	39.4
SC (UMHOS/CM AT 25 C)	1560.0
SC (UMHOS/CM AT 25 C) (FLD)	1541.0
TDS (MEASURED AT 180 C)	946.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	379.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	518.0
BICARBONATE (HCO3)	594.0
CARBONATE AS CO3	18.0
SULFATE (SO4)	294.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITEITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.007
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TEC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	01/12/2012
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	2011023014
SAMPLE NUMBER	OTRCR1201-133

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	78.98
PH (FLD)	6.98
PH	7.5
SODIUM ADSORPTION RATIO	6.5
SC (UMHOS/CM AT 25 C)	3310.0
SC (UMHOS/CM AT 25 C) (FLD)	3184.0
TDS (MEASURED AT 180 C)	2590.0
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	169.0
MAGNESIUM (MG) DIS	150.0
SODIUM (NA) DIS	482.0
POTASSIUM (K) DIS	9.0
TOTAL ALKALINITY AS CACO3	603.0
BICARBONATE (HCO3)	735.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	1510.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.32
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.094
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	01/12/2012
SAMPLE TIME	15:22
LAB	EL
LAB NUMBER	2011023015
SAMPLE NUMBER	OTRCR1201-134

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.55
PH (FLD)	7.42
PH	7.7
SODIUM ADSORPTION RATIO	3.87
SC (UMHOS/CM AT 25 C)	2280.0
SC (UMHOS/CM AT 25 C) (FLD)	2175.0
TDS (MEASURED AT 180 C)	1670.0
WATER TEMPERATURE (FLD)	12.0

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	153.0
SODIUM (NA) DIS	253.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	438.0
BICARBONATE (HCO3)	534.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	990.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<4.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.011
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.076
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	01/12/2012
SAMPLE TIME	13:04
LAB	EL
LAB NUMBER	2011023008
SAMPLE NUMBER	OTRCR1201-127

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	147.78
PH (FLD)	8.62
PH	8.4
SODIUM ADSORPTION RATIO	35.8
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1112.0
TDS (MEASURED AT 180 C)	672.0
WATER TEMPERATURE (FLD)	10.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	293.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	648.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	2.6
HYDROXIDE (OH)	<4.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.007
BARIUM (BA) DIS	0.065
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	01/24/2012
SAMPLE TIME	11:26
LAB	EL
LAB NUMBER	2010303002
SAMPLE NUMBER	OTRCR1201-142
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.53
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	54.2
SC (UMHOS/CM AT 25 C)	1680.0
SC (UMHOS/CM AT 25 C) (FLD)	1567.0
TDS (MEASURED AT 180 C)	994.0
WATER TEMPERATURE (FLD)	14.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	392.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	840.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.089
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.064
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	01/24/2012
SAMPLE TIME	10:28
LAB	EL
LAB NUMBER	2010303001
SAMPLE NUMBER	OTRCR120I-141

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.01
PH (FLD)	8.86
PH	8.7
SODIUM ADSORPTION RATIO	38.2
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1030.0
TDS (MEASURED AT 180 C)	718.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	252.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	570.0
CARBONATE AS CO3	21.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	23.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.044
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	01/05/2012
SAMPLE TIME	08:45
LAB	EL
LAB NUMBER	2010106014
SAMPLE NUMBER	OTRCR1201-113

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	58.08
PH (FLD)	8.5
PH	8.5
SODIUM ADSORPTION RATIO	47.7
SC (UMHOS/CM AT 25 C)	1490.0
SC (UMHOS/CM AT 25 C) (FLD)	1620.0
TDS (MEASURED AT 180 C)	848.0
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	381.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	810.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.097
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	01/05/2012
SAMPLE TIME	08:14
LAB	EL
LAB NUMBER	2010106015
SAMPLE NUMBER	OTRCR1201-114

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	47.05
PH (FLD)	7.35
PH	7.4
SODIUM ADSORPTION RATIO	24.0
SC (UMHOS/CM AT 25 C)	5160.0
SC (UMHOS/CM AT 25 C) (FLD)	5260.0
TDS (MEASURED AT 180 C)	3660.0
WATER TEMPERATURE (FLD)	10.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	89.0
MAGNESIUM (MG) DIS	38.0
SODIUM (NA) DIS	1080.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.29
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.009
IRON (FE) DIS	0.65
LEAD (PB) DIS	0.0009
MANGANESE (MN) DIS	0.044
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	01/05/2012
SAMPLE TIME	09:20
LAB	EL
LAB NUMBER	2010106016
SAMPLE NUMBER	OTRCR1201-115

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	30.22
PH (FLD)	6.02
PH	5.9
SODIUM ADSORPTION RATIO	21.9
SC (UMHOS/CM AT 25 C)	3370.0
SC (UMHOS/CM AT 25 C) (FLD)	3460.0
TDS (MEASURED AT 180 C)	3650.0
WATER TEMPERATURE (FLD)	10.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	46.0
MAGNESIUM (MG) DIS	27.0
SODIUM (NA) DIS	754.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	330.0
BICARBONATE (HCO3)	400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.8
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	5.7
ARSENIC (AS) DIS	0.193
BARIUM (BA) DIS	0.088
BERYLLIUM (BE) DIS	0.002
BORON (B) DIS	0.37
CADMIUM (CD) DIS	0.0005
CHROMIUM (CR) DIS	0.019
COPPER (CU) DIS	0.017
IRON (FE) DIS	33.0
LEAD (PB) DIS	0.0181
MANGANESE (MN) DIS	0.117
MERCURY (HG) DIS	0.00013
MOLYBDENUM (MO) DIS	0.024
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.07

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U	B10-U
SAMPLE DATE	01/05/2012	01/05/2012
SAMPLE TIME	10:00	10:01
LAB	EL	EL
LAB NUMBER	2010106017	2010106018
REMARKS		DUPLICATE
SAMPLE NUMBER	OTRCR1201-116	OTRCR1201-117
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	64.9	
PH (FLD)	8.53	
PH	8.5	8.5
SODIUM ADSORPTION RATIO	45.6	46.0
SC (UMHOS/CM AT 25 C)	1410.0	1400.0
SC (UMHOS/CM AT 25 C) (FLD)	1470.0	
TDS (MEASURED AT 180 C)	776.0	786.0
WATER TEMPERATURE (FLD)	14.2	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	3.0	3.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	342.0	346.0
POTASSIUM (K) DIS	2.0	2.0
TOTAL ALKALINITY AS CACO3	700.0	700.0
BICARBONATE (HCO3)	800.0	780.0
CARBONATE AS CO3	24.0	33.0
SULFATE (SO4)	<2.0	<2.0
CHLORIDE (CL)	61.0	65.0
FLUORIDE (F)	2.0	2.0
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.126	0.133
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.16	0.16
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.038	0.038
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	01/24/2012
SAMPLE TIME	14:05
LAB	EL
LAB NUMBER	2010303003
SAMPLE NUMBER	OTRCR1201-143

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	191.62
PH (FLD)	8.56
PH	8.4
SODIUM ADSORPTION RATIO	50.9
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1103.0
TDS (MEASURED AT 180 C)	684.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	275.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	18.0
SULFATE (SO4)	7.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.098
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-0
SAMPLE DATE	01/26/2012
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	2010303005
SAMPLE NUMBER	OTRCR1201-145

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	111.2
PH (FLD)	7.82
PH	7.6
SODIUM ADSORPTION RATIO	39.7
SC (UMHOS/CM AT 25 C)	7810.0
SC (UMHOS/CM AT 25 C) (FLD)	7410.0
TDS (MEASURED AT 180 C)	5820.0
WATER TEMPERATURE (FLD)	11.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	41.0
SODIUM (NA) DIS	1710.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	3100.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.09
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.238
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.006
NICKEL (NI) DIS	0.02
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	01/26/2012
SAMPLE TIME	09:50
LAB	EL
LAB NUMBER	2010303004
SAMPLE NUMBER	OTRCR1201-144

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	176.09
PH (FLD)	8.99
PH	8.7
SODIUM ADSORPTION RATIO	37.1
SC (UMHOS/CM AT 25 C)	1000.0
SC (UMHOS/CM AT 25 C) (FLD)	919.0
TDS (MEASURED AT 180 C)	588.0
WATER TEMPERATURE (FLD)	14.1

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	237.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.06
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	01/26/2012
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	2010303010
SAMPLE NUMBER	OTRCR1201-150

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.3
PH (FLD)	8.05
PH	8.1
SODIUM ADSORPTION RATIO	1.22
SC (UMHOS/CM AT 25 C)	921.0
SC (UMHOS/CM AT 25 C) (FLD)	924.0
TDS (MEASURED AT 180 C)	646.0
WATER TEMPERATURE (FLD)	9.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	66.0
MAGNESIUM (MG) DIS	43.0
SODIUM (NA) DIS	52.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	100.0
BICARBONATE (HCO3)	120.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	320.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.74
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.012
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	0.00092
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	0.006
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.053
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	01/03/2012
SAMPLE TIME	16:32
LAB	EL
LAB NUMBER	2010106005
SAMPLE NUMBER	OTRCR1201-104

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.54
PH (FLD)	7.49
PH	7.5
SODIUM ADSORPTION RATIO	7.58
SC (UMHOS/CM AT 25 C)	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	3050.0
TDS (MEASURED AT 180 C)	2440.0
WATER TEMPERATURE (FLD)	10.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	115.0
SODIUM (NA) DIS	445.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	660.0
BICARBONATE (HCO3)	810.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	860.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	5.3
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.056
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.021
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	01/04/2012
SAMPLE TIME	11:10
LAB	BL
LAB NUMBER	2010106012
SAMPLE NUMBER	OTRCR1201-111

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.39
PH (FLD)	7.75
PH	7.6
SODIUM ADSORPTION RATIO	6.35
SC (UMHOS/CM AT 25 C)	3500.0
SC (UMHOS/CM AT 25 C) (FLD)	3600.0
TDS (MEASURED AT 180 C)	2430.0
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	108.0
MAGNESIUM (MG) DIS	169.0
SODIUM (NA) DIS	454.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.53
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	4.54
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.511
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4
SAMPLE DATE	01/26/2012
SAMPLE TIME	08:15
LAB	EL
LAB NUMBER	2010303008
SAMPLE NUMBER	OTRCR1201-148

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.15
PH (FLD)	7.72
PH	7.6
SODIUM ADSORPTION RATIO	7.17
SC (UMHOS/CM AT 25 C)	4240.0
SC (UMHOS/CM AT 25 C) (FLD)	4011.0
TDS (MEASURED AT 180 C)	3270.0
WATER TEMPERATURE (FLD)	11.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	139.0
MAGNESIUM (MG) DIS	216.0
SODIUM (NA) DIS	579.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	840.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.54
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.366
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	01/25/2012
SAMPLE TIME	09:25
LAB	EL
LAB NUMBER	2010303007
SAMPLE NUMBER	OTRCR1201-147

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	73.75
PH (FLD)	8.58
PH	8.4
SODIUM ADSORPTION RATIO	41.6
SC (UMHOS/CM AT 25 C)	1670.0
SC (UMHOS/CM AT 25 C) (FLD)	1608.0
TDS (MEASURED AT 180 C)	1010.0
WATER TEMPERATURE (FLD)	11.9

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	388.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	64.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.148
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	01/13/2012
SAMPLE TIME	09:38
LAB	EL
LAB NUMBER	2011023019
SAMPLE NUMBER	OTRCR1201-138

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	61.69
PH (FLD)	8.66
PH	8.4
SODIUM ADSORPTION RATIO	41.8
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1070.0
TDS (MEASURED AT 180 C)	655.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	282.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	594.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	13.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.09
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	01/13/2012
SAMPLE TIME	10:14
LAB	EL
LAB NUMBER	2011023020
SAMPLE NUMBER	OTRCR1201-139

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.26
PH (FLD)	6.49
PH	7.3
SODIUM ADSORPTION RATIO	3.49
SC (UMHOS/CM AT 25 C)	1960.0
SC (UMHOS/CM AT 25 C) (FLD)	1882.0
TDS (MEASUREO AT 180 C)	1400.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	142.0
MAGNESIUM (MG) DIS	90.0
SODIUM (NA) DIS	216.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	605.0
BICARBONATE (HCO3)	738.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	589.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.027
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.29
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.85
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.113
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	01/13/2012
SAMPLE TIME	10:58
LAB	EL
LAB NUMBER	2011023021
SAMPLE NUMBER	OTRCR1201-140
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	52.7
PH (FLD)	8.74
PH	8.5
SODIUM ADSORPTION RATIO	41.3
SC (UMHOS/CM AT 25 C)	1060.0
SC (UMHOS/CM AT 25 C) (FLD)	1039.0
TDS (MEASURED AT 180 C)	659.0
WATER TEMPERATURE (FLD)	12.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	261.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	502.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	127.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.13
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.023
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	01/24/2012
SAMPLE TIME	17:07
LAB	EL
LAB NUMBER	2010303006
SAMPLE NUMBER	OTRCR1201-146

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.57
PH (FLD)	8.21
PH	8.2
SODIUM ADSORPTION RATIO	43.4
SC (UMHOS/CM AT 25 C)	1320.0
SC (UMHOS/CM AT 25 C) (FLD)	1261.0
TDS (MEASURED AT 180 C)	784.0
WATER TEMPERATURE (FLD)	12.5

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	311.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	21.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.103
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.19
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.032
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	01/13/2012
SAMPLE TIME	08:51
LAB	EL
LAB NUMBER	2011023018
SAMPLE NUMBER	OTRCR1201-137

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.98
PH (FLD)	7.09
PH	7.6
SODIUM ADSORPTION RATIO	13.4
SC (UMHOS/CM AT 25 C)	3520.0
SC (UMHOS/CM AT 25 C) (FLD)	3452.0
TDS (MEASURED AT 180 C)	2530.0
WATER TEMPERATURE (FLD)	12.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	87.0
MAGNESIUM (MG) DIS	81.0
SODIUM (NA) DIS	721.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	944.0
BICARBONATE (HCO3)	1150.0
CARBONATE AS CO3	<4.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.66
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.099
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	PI
SAMPLE DATE	02/07/2012
SAMPLE TIME	14:40
LAB	EL
LAB NUMBER	2020104002
SAMPLE NUMBER	OCC-1202-901
-- PHYSICAL PARAMETERS --	
PH (FLD)	8.01
PH	7.9
SODIUM ADSORPTION RATIO	13.2
SC (UMHOS/CM AT 25 C)	3950.0
SC (UMHOS/CM AT 25 C) (FLD)	3650.0
TDS (MEASURED AT 180 C)	2960.0
TOTAL SUSPENDED SOLIDS	20.0
TURBIDITY (NTU)	9.0
WATER TEMPERATURE (FLD)	0.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	61.0
CALCIUM (CA) TRC	66.0
MAGNESIUM (MG) DIS	98.0
MAGNESIUM (MG) TRC	101.0
SODIUM (NA) DIS	715.0
SODIUM (NA) TRC	740.0
POTASSIUM (K) DIS	18.0
POTASSIUM (K) TRC	19.0
TOTAL ALKALINITY AS CACO3	290.0
BICARBONATE (HCO3)	360.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.27
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.025
BARIUM (BA) TRC	0.028
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.03
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.005
COPPER (CU) TRC	0.006
IRON (FE) DIS	0.26
IRON (FE) TRC	0.74
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.317
MANGANESE (MN) TRC	0.331
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	02/07/2012
SAMPLE TIME	14:40
LAB	EL
LAB NUMBER	2020104002
SAMPLE NUMBER	OCC-1202-901

-- METALS & MINOR CONSTITUENTS --

MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	<0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	0.01
SELENIUM	(SE)	DIS	<0.001
SELENIUM	(SE)	TRC	<0.001
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	<0.01
ZINC	(ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	02/07/2012
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	2020104003
SAMPLE NUMBER	OCC-1202-902
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.17
PH	7.1
SODIUM ADSORPTION RATIO	0.96
SC (UMHOS/CM AT 25 C)	372.0
SC (UMHOS/CM AT 25 C) (FLD)	NA
TDS (MEASURED AT 180 C)	278.0
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	13.3
WATER TEMPERATURE (FLD)	0.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	30.0
CALCIUM (CA) TRC	30.0
MAGNESIUM (MG) DIS	12.0
MAGNESIUM (MG) TRC	12.0
SODIUM (NA) DIS	24.0
SODIUM (NA) TRC	20.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	54.0
BICARBONATE (HCO3)	66.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	97.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	<0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.18
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ALUMINUM (AL) TRC	0.4
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.045
BARIUM (BA) TRC	0.048
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.03
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.005
COPPER (CU) TRC	0.005
IRON (FE) DIS	0.17
IRON (FE) TRC	0.44
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0007
MANGANESE (MN) DIS	0.022
MANGANESE (MN) TRC	0.026
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	02/07/2012
SAMPLE TIME	15:30
LAB	BL
LAB NUMBER	2020104003
SAMPLE NUMBER	OCC-1202-902

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	02/08/2012
SAMPLE TIME	08:30
LAB	EL
LAB NUMBER	2020104005
SAMPLE NUMBER	OCC-1202-904
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.49
PH	6.9
SODIUM ADSORPTION RATIO	1.3
SC (UMHOS/CM AT 25 C)	608.0
SC (UMHOS/CM AT 25 C) (FLD)	622.0
TDS (MEASURED AT 180 C)	460.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	8.9
WATER TEMPERATURE (FLD)	0.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	43.0
CALCIUM (CA) TRC	43.0
MAGNESIUM (MG) DIS	20.0
MAGNESIUM (MG) TRC	21.0
SODIUM (NA) DIS	41.0
SODIUM (NA) TRC	42.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	16.0
TOTAL ALKALINITY AS CACO3	65.0
BICARBONATE (HCO3)	80.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	200.0
CHLORIDE (CL)	4.0
FLUORIDE (F)	<0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.25
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.035
BARIUM (BA) TRC	0.037
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.05
BORON (B) TRC	0.05
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.005
COPPER (CU) TRC	0.005
IRON (FE) DIS	0.09
IRON (FE) TRC	0.29
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.066
MANGANESE (MN) TRC	0.073
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	02/08/2012
SAMPLE TIME	08:30
LAB	EL
LAB NUMBER	2020104005
SAMPLE NUMBER	OCC-1202-904

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	02/07/2012
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	2020104004
SAMPLE NUMBER	OCC-1202-903

-- PHYSICAL PARAMETERS --

PH (FLD)	8.58
PH	7.2
SODIUM ADSORPTION RATIO	6.75
SC (UMHOS/CM AT 25 C)	1970.0
SC (UMHOS/CM AT 25 C) (FLD)	2010.0
TDS (MEASURED AT 180 C)	1520.0
TOTAL SUSPENDED SOLIDS	42.0
TURBIDITY (NTU)	35.6
WATER TEMPERATURE (FLD)	2.3

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	49.0
CALCIUM (CA) TRC	50.0
MAGNESIUM (MG) DIS	57.0
MAGNESIUM (MG) TRC	60.0
SODIUM (NA) DIS	293.0
SODIUM (NA) TRC	300.0
POTASSIUM (K) DIS	26.0
POTASSIUM (K) TRC	26.0
TOTAL ALKALINITY AS CACO3	130.0
BICARBONATE (HCO3)	150.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	850.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	<0.1

-- NUTRIENTS --

NITRATE + NITRITE AS N	0.2

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.6
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.052
BARIUM (BA) TRC	0.063
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.07
BORON (B) TRC	0.08
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.004
COPPER (CU) DIS	0.007
COPPER (CU) TRC	0.021
IRON (FE) DIS	0.16
IRON (FE) TRC	1.19
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0011
MANGANESE (MN) DIS	0.163
MANGANESE (MN) TRC	0.181
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	02/07/2012
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	2020104004
SAMPLE NUMBER	OCC-1202-903

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.02
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.04
ZINC (ZN) TRC	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	02/08/2012
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	2020104006
SAMPLE NUMBER	OCC-1202-905
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.86
PH	8.0
SODIUM ADSORPTION RATIO	4.78
SC (UMHOS/CM AT 25 C)	3240.0
SC (UMHOS/CM AT 25 C) (FLD)	2910.0
TDS (MEASURED AT 180 C)	2440.0
TOTAL SUSPENDED SOLIDS	8.0
TURBIDITY (NTU)	2.6
WATER TEMPERATURE (FLD)	1.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	127.0
CALCIUM (CA) TRC	138.0
MAGNESIUM (MG) DIS	194.0
MAGNESIUM (MG) TRC	197.0
SODIUM (NA) DIS	368.0
SODIUM (NA) TRC	368.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.019
BARIUM (BA) TRC	0.019
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.41
BORON (B) TRC	0.41
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.05
IRON (FE) TRC	0.19
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.218
MANGANESE (MN) TRC	0.206
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	02/08/2012
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	2020104006
SAMPLE NUMBER	OCC-1202-905

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	01/05/2012	01/12/2012	03/15/2012
SAMPLE TIME	13:00	18:15	15:00
LAB	EL	EL	EL
LAB NUMBER	2010106002	2011023016	2030214016
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-101	OTRCR1201-135	OCC-1203-115
-- PHYSICAL PARAMETERS --			
PH	5.9	5.8	5.6
SODIUM ADSORPTION RATIO	0.02	<0.01	0.03
SC (UMHOS/CM AT 25 C)	3.0	<1.0	3.0
TDS (MEASURED AT 180 C)	<4.0	<7.0	10.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<4.0	1.0
TOTAL ACIDITY AS CACO3		<4.0	
BICARBONATE (HCO3)	2.0	<4.0	2.0
CARBONATE AS CO3	<1.0	<4.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<0.2	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	<0.01	<0.01	<0.01
BORON (B) TRC			<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	01/05/2012	01/12/2012	03/15/2012
SAMPLE TIME	13:00	18:15	15:00
LAB	EL	EL	EL
LAB NUMBER	2010106002	2011023016	2030214016
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-101	OTRCR1201-135	OCC-1203-115
-- METALS & MINOR CONSTITUENTS --			
MERCURY (HG) TOT			<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	01/05/2012	01/12/2012	03/23/2012
SAMPLE TIME	18:10	18:30	12:00
LAB	EL	EL	EL
LAB NUMBER	2010106019	2011023017	2030308005
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-118	OTRCR1201-136	OCC-1203-120
-- PHYSICAL PARAMETERS --			
PH	5.8	5.6	5.4
SODIUM ADSORPTION RATIO	0.02	<0.01	0.02
SC (UMHOS/CM AT 25 C)	2.0	<1.0	1.0
TDS (MEASURED AT 180 C)	8.0	<7.0	8.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			<0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	2.0	<4.0	2.0
TOTAL ACIDITY AS CACO3		<4.0	
BICARBONATE (HCO3)	2.0	<4.0	2.0
CARBONATE AS CO3	<1.0	<4.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<0.2	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	<0.01	<0.01	0.02
BORON (B) TRC			<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TDT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	01/05/2012	01/12/2012	03/23/2012
SAMPLE TIME	18:10	18:30	12:00
LAB	EL	EL	EL
LAB NUMBER	2010106019	2011023017	2030308005
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OTRCR1201-118	OTRCR1201-136	OCC-1203-120
-- METALS & MINOR CONSTITUENTS --			
MERCURY (HG) TOT			<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	02/07/2012
SAMPLE TIME	12:10
LAB	EL
LAB NUMBER	2020104001
SAMPLE NUMBER	OCC-1202-900

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO FLOW
PH (FLD)	7.32
PH	7.4
SODIUM ADSORPTION RATIO	10.7
SC (UMHOS/CM AT 25 C)	9840.0
SC (UMHOS/CM AT 25 C) (FLD)	10040.0
TDS (MEASURED AT 180 C)	9270.0
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	0.4
WATER TEMPERATURE (FLD)	3.2

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	358.0
CALCIUM (CA) TRC	365.0
MAGNESIUM (MG) DIS	711.0
MAGNESIUM (MG) TRC	700.0
SODIUM (NA) DIS	1530.0
SODIUM (NA) TRC	1500.0
POTASSIUM (K) DIS	29.0
POTASSIUM (K) TRC	29.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	5900.0
CHLORIDE (CL)	32.0
FLUORIDE (F)	0.6

-- NUTRIENTS --	
NITRATE + NITRITE AS N	10.4

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.014
BARIUM (BA) TRC	0.015
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.95
BORON (B) TRC	1.03
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.003
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	02/07/2012
SAMPLE TIME	12:10
LAB	EL
LAB NUMBER	2020104001
SAMPLE NUMBER	OCC-1202-900

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.012
SELENIUM (SE)	TRC	0.01
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Otter Creek Coal, LLC
April 2012 to June 2012 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

June 2012

Otter Creek Coal, LLC
April 2012 to June 2012 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 04/19/2012 through 05/24/2012
- Total number of samples taken at existing wells: 71 site samples, 3 field duplicates, 31 field observations, 6 DI and rinsate blanks, for a total of 111 samples.
- Frequency for field duplicates was 1 per 23, and 1 per 11 for field blanks. Overall, frequency was approximately 1 per 7 (1 QC sample taken for every 11 samples collected).

Violations involving field quality control:

- All field blanks (both rinsate and D.I.) submitted contained dissolved boron, and two (1 rinsate, and 1 D.I.) submitted on 5/3/2012 also contained total recoverable boron at or above the DTL (0.02 mg/L). In addition the D.I. blank submitted on 4/25/2012, contained N+N as N. The associated data were qualified.

Violations involving laboratory quality control:

- For Batch H12050407, samples collected on 5/24/2012, the turbidity was analyzed outside of suggested holding time. The turbidity for this batch was qualified with an "H".
- In addition there were several laboratory quality control samples outside of the laboratory prescribed QC limits. However, none of the associated data were impacted.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 100%. The project completeness goal, acceptance of 90% of the results as valid, has been met, as no results were rejected as a result of this review.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary Of Flagged Data
  - Table 3. Summary of Duplicates
  - Table 4. Summary of Blanks
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Jennifer Vanek

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. Indicates low bias. 4 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)

TABLE 2. SUMMARY OF FLAGGED DATA
OTTER CREEK COAL LLC - 2nd Qtr 2012
DATE RANGE: 04/01/2012 - 06/30/2012

DataMan Program

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	QC SAMPLE TYPE
B11-U	OCC-1204-514	2040471015	04/25/12	NITRATE + NITRITE AS N	0.02	UJ1	BLANK
				BORON (B) DIS	0.1	UJ1	
A-4	OCC-1204-525	2040471026	04/25/12	NITRATE + NITRITE AS N	0.06	UJ1	BLANK
K-2	OCC-1205-549	2050095010	05/02/12	BORON (B) DIS	0.09	UJ1	BLANK
P1	OCC-1205-700	2050095019	05/03/12	BORON (B) DIS	0.03	UJ1	BLANK
				BORON (B) TRC	0.03	UJ1	
P3	OCC-1205-702	2050095021	05/03/12	BORON (B) DIS	0.04	UJ1	BLANK
				BORON (B) TRC	0.04	UJ1	
P4	OCC-1205-703	2050095022	05/03/12	BORON (B) DIS	0.05	UJ1	BLANK
				BORON (B) TRC	0.05	UJ1	
P5	OCC-1205-704	2050095023	05/03/12	BORON (B) DIS	0.05	UJ1	BLANK
				BORON (B) TRC	0.05	UJ1	
SW-10	OCC-1205-600	2050407001	05/24/12	TURBIDITY (NTU)	1.5	H	HOLDING TIME
SW-9	OCC-1205-601	2050407002	05/24/12	TURBIDITY (NTU)	6.4	H	HOLDING TIME
SW-11	OCC-1205-602	2050407003	05/24/12	TURBIDITY (NTU)	110.0	H	HOLDING TIME

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

TABLE 3. Summary of Duplicates For 2nd Qtr 2012

OTTCRK - Otter Creek Coal LLC

SITE CODE	B5-U	B5-U			
SAMPLE DATE	05/01/12	05/01/12			
LAB	EL	EL			
LAB NUMBER	2050095005	2050095006	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1205-54	OCC-1205-54	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.1	8.2	1.23		
SODIUM ADSORPTION RATIO	44.9	44.2	1.57	0.01	
SC (UMHOS/CM AT 25 C)	1080.0	1080.0	0.00	1.0	
TDS (MEASURED AT 180 C)	650.0	646.0	0.62	4.0	
CALCIUM (CA) DIS	2.0	2.0	0.00	1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	1.0	
SODIUM (NA) DIS	263.0	259.0	1.53	1.0	
POTASSIUM (K) DIS	1.0	1.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	580.0	580.0	0.00	4.0	
BICARBONATE (HCO3)	630.0	630.0	0.00	4.0	
CARBONATE AS CO3	36.0	36.0	0.00	0.005	
SULFATE (SO4)	<1.0	<1.0	UDL	1.0	
CHLORIDE (CL)	26.0	26.0	0.00	1.0	
FLUORIDE (F)	2.0	2.0	0.00	0.1	
HYDROXIDE (OH)	<4.0	<4.0	UDL	4.0	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.072	0.07	2.82	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.17	0.17	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	<0.05	<0.05	UDL	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.007	0.007	0.00	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

TABLE 3. Summary of Duplicates For 2nd Qtr 2012

OTTCRK - Otter Creek Coal LLC

SITE CODE	C-4	C-4			
SAMPLE DATE	04/25/12	04/25/12			
LAB	EL	EL			
LAB NUMBER	2040471017	2040471018	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1204-51	OCC-1204-51	DIFFERENCE	LIMITS	VALIDATION NOTES
SODIUM ADSORPTION RATIO	6.93	7.02	1.29	0.01	
SC (UMHOS/CM AT 25 C)	4200.0	4100.0	2.41	1.0	
TDS (MEASURED AT 180 C)	3300.0	3300.0	0.00	4.0	
CALCIUM (CA) DIS	134.0	138.0	2.94	1.0	
MAGNESIUM (MG) DIS	212.0	219.0	3.25	1.0	
SODIUM (NA) DIS	553.0	569.0	2.85	1.0	
POTASSIUM (K) DIS	19.0	20.0	5.13	1.0	
TOTAL ALKALINITY AS CACO3	710.0	710.0	0.00	4.0	
BICARBONATE (HCO3)	860.0	860.0	0.00	4.0	
CARBONATE AS CO3	<1.0	<1.0	UDL	0.005	
SULFATE (SO4)	1800.0	1800.0	0.00	1.0	
CHLORIDE (CL)	17.0	17.0	0.00	1.0	
FLUORIDE (F)	0.7	0.6	15.38	0.1	
HYDROXIDE (OH)	<4.0	<4.0	UDL	4.0	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	0.01	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.022	0.023	4.44	0.003	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.35	0.36	2.82	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
IRON (FE) DIS	1.38	1.42	2.86	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.378	0.373	1.33	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

TABLE 3. Summary of Duplicates For 2nd Qtr 2012

OTTCRK - Otter Creek Coal LLC

SITE CODE	P1	P1			
SAMPLE DATE	05/03/12	05/03/12			
LAB	EL	EL			
LAB NUMBER	2050095019	2050095020	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1205-70	OCC-1205-70	DIFFERENCE	LIMITS	VALIDATION NOTES
SODIUM ADSORPTION RATIO	9.14	9.14	0.00	0.01	
SC (UMHOS/CM AT 25 C)	2460.0	2460.0	0.00	1.0	
TDS (MEASURED AT 180 C)	1800.0	1820.0	1.10	4.0	
TOTAL SUSPENDED SOLIDS	10.0	14.0	33.33	4.0	<CRDL
TURBIDITY (NTU)	9.5	7.8	19.65	0.1	
CALCIUM (CA) DIS	65.0	66.0	1.53	1.0	
CALCIUM (CA) TRC	66.0	65.0	1.53	1.0	
MAGNESIUM (MG) DIS	56.0	57.0	1.77	1.0	
SODIUM (NA) DIS	417.0	419.0	0.48	1.0	
SODIUM (NA) TRC	434.0	429.0	1.16	1.0	
POTASSIUM (K) DIS	17.0	17.0	0.00	1.0	
POTASSIUM (K) TRC	17.0	17.0	0.00	1.0	
TOTAL ALKALINITY AS CACO3	480.0	480.0	0.00	4.0	
BICARBONATE (HCO3)	590.0	590.0	0.00	4.0	
CARBONATE AS CO3	<1.0	<1.0	UDL	0.005	
SULFATE (SO4)	880.0	880.0	0.00	1.0	
CHLORIDE (CL)	9.0	9.0	0.00	1.0	
FLUORIDE (F)	0.3	0.4	28.57	0.1	<CRDL
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	0.01	
ALUMINUM (AL) TRC	0.2	0.1	66.67	0.03	SEE RPD
ARSENIC (AS) DIS	<0.003	<0.003	UDL	0.003	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	0.003	
BARIUM (BA) DIS	0.042	0.042	0.00	0.003	
BARIUM (BA) TRC	0.045	0.042	6.90	0.005	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	0.001	
BORON (B) DIS	0.03	0.03	0.00	0.01	
BORON (B) TRC	0.03	0.03	0.00	0.01	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	0.00008	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	0.00008	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	0.001	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	0.001	
COPPER (CU) DIS	<0.001	<0.001	UDL	0.001	
COPPER (CU) TRC	0.001	0.001	0.00	0.001	
IRON (FE) DIS	0.67	0.67	0.00	0.05	
IRON (FE) TRC	1.1	1.0	9.52	0.05	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	0.0005	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	0.0005	
MANGANESE (MN) DIS	0.339	0.336	0.89	0.005	
MANGANESE (MN) TRC	0.359	0.349	2.82	0.005	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	0.00005	
MERCURY (HG) TOT	<0.00005	<0.00005	UDL	0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	0.005	
MOLYBDENUM (MO) TRC	<0.005	<0.005	UDL	0.005	
NICKEL (NI) DIS	<0.01	<0.01	UDL	0.01	
NICKEL (NI) TRC	<0.01	<0.01	UDL	0.01	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	0.001	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	0.001	
VANADIUM (V) DIS	<0.1	<0.1	UDL	0.0001	
VANADIUM (V) TRC	<0.1	<0.1	UDL	0.1	
ZINC (ZN) DIS	<0.01	<0.01	UDL	0.01	
ZINC (ZN) TRC	<0.01	<0.01	UDL	0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)TOT:Total; DIS:Disolved, TRC:Total Recoverable; <:Less than Detect; *: Relative Percent Difference Exceedance;

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:20	17:50	18:25
LAB	EL	EL	EL
LAB NUMBER	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- PHYSICAL PARAMETERS --			
PH	5.4	5.4	5.5
SODIUM ADSORPTION RATIO	0.07	0.04	0.01
SC (UMHOS/CM AT 25 C)	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	4.0	6.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			<0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	1.0	<1.0
BICARBONATE (HCO3)	<1.0	2.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.02	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	0.02	0.02	0.03
BORON (B) TRC			0.02
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:20	17:50	18:25
LAB	EL	EL	EL
LAB NUMBER	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:25	18:00	18:45
LAB	EL	EL	EL
LAB NUMBER	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- PHYSICAL PARAMETERS --			
PH	5.1	5.1	4.9
SODIUM ADSORPTION RATIO	0.06	0.02	<0.01
SC (UMHOS/CM AT 25 C)	1.0	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	0.02	0.02	0.02
BORON (B) TRC			0.02
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:25	18:00	18:45
LAB	EL	EL	EL
LAB NUMBER	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

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54	B4-O	STATE B4-O	Groundwater		
55	B4-U	STATE B4-U	Groundwater		
56	B5-K	GNP B5-K	Groundwater		
57	B5-O	GNP B5-O	Groundwater		
58	B5-U	GNP B5-U	Groundwater		
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60	B6-O	STATE B6-O	Groundwater		
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64	B7-O	STATE B7-O	Groundwater		
65	B7-U	STATE B7-U	Groundwater		
66	B8-KL	STATE B8-KL	Groundwater		
67	B8-KU	STATE B8-KU	Groundwater		
68	B8-O	STATE B8-O	Groundwater		
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32	SW-23	SW-23 Ten Mile Creek Below County Road Crossi	Surface Water		
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Sample Type: Surface Water

SITE CODE	SW-1
SAMPLE DATE	04/19/2012
SAMPLE TIME	08:55
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-112

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	05/03/2012
SAMPLE TIME	16:40
LAB	EL
LAB NUMBER	2050095030
SAMPLE NUMBER	OCC-1205-711
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.18
PH	8.0
SODIUM ADSORPTION RATIO	7.72
SC (UMHOS/CM AT 25 C)	4080.0
SC (UMHOS/CM AT 25 C) (FLD)	3937.0
TDS (MEASURED AT 180 C)	3170.0
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	1.2
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	106.0
CALCIUM (CA) TRC	100.0
MAGNESIUM (MG) DIS	227.0
MAGNESIUM (MG) TRC	219.0
SODIUM (NA) DIS	614.0
SODIUM (NA) TRC	629.0
POTASSIUM (K) DIS	22.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	840.0
BICARBONATE (HCO3)	990.0
CARBONATE AS CO3	19.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.028
BARIUM (BA) TRC	0.027
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.68
BORON (B) TRC	0.67
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.08
IRON (FE) TRC	0.18
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.047
MANGANESE (MN) TRC	0.051

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	05/03/2012
SAMPLE TIME	16:40
LAB	EL
LAB NUMBER	2050095030
SAMPLE NUMBER	OCC-1205-711

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	05/03/2012
SAMPLE TIME	14:45
LAB	EL
LAB NUMBER	2050095028
SAMPLE NUMBER	OCC-1205-709
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	7.63
PH (FLD)	8.54
PH	8.4
SODIUM ADSORPTION RATIO	5.9
SC (UMHOS/CM AT 25 C)	3970.0
SC (UMHOS/CM AT 25 C) (FLD)	3902.0
TDS (MEASURED AT 180 C)	3420.0
TOTAL SUSPENDED SOLIDS	92.0
TURBIDITY (NTU)	48.2
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	138.0
CALCIUM (CA) TRC	127.0
MAGNESIUM (MG) DIS	253.0
MAGNESIUM (MG) TRC	269.0
SODIUM (NA) DIS	516.0
SODIUM (NA) TRC	514.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	45.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.032
BARIUM (BA) TRC	0.047
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.32
BORON (B) TRC	0.34
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.002
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	1.74
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0015
MANGANESE (MN) DIS	0.062
MANGANESE (MN) TRC	0.295

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	05/03/2012
SAMPLE TIME	14:45
LAB	EL
LAB NUMBER	2050095028
SAMPLE NUMBER	OCC-1205-709

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3
SAMPLE DATE	04/19/2012	05/23/2012
SAMPLE TIME	14:20	08:20
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-108	OCC-1205-607
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	13:31	09:24
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-105	OCC-1205-609
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-5	SW-5
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	13:40	09:30
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-106	OCC-1205-610
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	13:00	09:50
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-116	OCC-1205-611
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7	SW-7
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	13:05	09:55
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-115	OCC-1205-612
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:40	12:00
LAB	EL	HYDRO
LAB NUMBER	2040346005	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1204-104	OCC-1205-615
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	0.01	0.0023
	E	E
PH (FLD)	7.93	
PH	7.7	
SODIUM ADSORPTION RATIO	4.27	
SC (UMHOS/CM AT 25 C)	3310.0	
SC (UMHOS/CM AT 25 C) (FLD)	3226.0	
TDS (MEASURED AT 180 C)	2960.0	
TOTAL SUSPENDED SOLIDS	<4.0	
TURBIDITY (NTU)	2.8	
WATER TEMPERATURE (FLD)	12.5	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	234.0	
CALCIUM (CA) TRC	232.0	
MAGNESIUM (MG) DIS	169.0	
MAGNESIUM (MG) TRC	169.0	
SODIUM (NA) DIS	352.0	
SODIUM (NA) TRC	345.0	
POTASSIUM (K) DIS	10.0	
POTASSIUM (K) TRC	10.0	
TOTAL ALKALINITY AS CACO3	480.0	
BICARBONATE (HCO3)	590.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	1600.0	
CHLORIDE (CL)	11.0	
FLUORIDE (F)	0.3	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	<0.1	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.032	
BARIUM (BA) TRC	0.034	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.09	
BORON (B) TRC	0.08	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	<0.001	
COPPER (CU) TRC	<0.001	
IRON (FE) DIS	<0.05	
IRON (FE) TRC	0.26	
LEAD (PB) DIS	0.0006	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:40	12:00
LAB	EL	HYDRO
LAB NUMBER	2040346005	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1204-104	OCC-1205-615

-- METALS & MINOR CONSTITUENTS --

LEAD	(PB)	TRC	<0.0005
MANGANESE	(MN)	DIS	0.214
MANGANESE	(MN)	TRC	0.229
MERCURY	(HG)	DIS	<0.00005
MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	<0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	<0.01
SELENIUM	(SE)	DIS	<0.001
SELENIUM	(SE)	TRC	<0.001
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	<0.01
ZINC	(ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	11:15	11:05
LAB	EL	EL
LAB NUMBER	2040346002	2050407002
SAMPLE NUMBER	OCC-1204-101	OCC-1205-601
-- PHYSICAL PARAMETERS --		
PH (FLD)	7.93	7.86
PH	7.1	7.8
SODIUM ADSORPTION RATIO	7.39	8.26
SC (UMHOS/CM AT 25 C)	3600.0	7470.0
SC (UMHOS/CM AT 25 C) (FLD)	6910.0	6740.0
TDS (MEASURED AT 180 C)	4670.0	6490.0
TOTAL SUSPENDED SOLIDS	70.0	120.0
TURBIDITY (NTU)	31.8	6.4
		H
WATER TEMPERATURE (FLD)	16.3	14.2
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	236.0	356.0
CALCIUM (CA) TRC	368.0	326.0
MAGNESIUM (MG) DIS	265.0	451.0
MAGNESIUM (MG) TRC	450.0	448.0
SODIUM (NA) DIS	696.0	995.0
SODIUM (NA) TRC	963.0	1040.0
POTASSIUM (K) DIS	15.0	17.0
POTASSIUM (K) TRC	17.0	18.0
TOTAL ALKALINITY AS CACO3	360.0	490.0
BICARBONATE (HCO3)	440.0	600.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	2900.0	4200.0
CHLORIDE (CL)	18.0	25.0
FLUORIDE (F)	0.2	0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.02	0.28
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	2.6	0.9
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	0.003	<0.003
BARIUM (BA) DIS	0.035	0.025
BARIUM (BA) TRC	0.067	0.04
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.15	0.21
BORON (B) TRC	0.18	0.21
CADMIUM (CD) DIS	0.00019	<0.00008
CADMIUM (CD) TRC	0.00016	0.00012
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	0.005	0.001
COPPER (CU) DIS	0.014	<0.001
COPPER (CU) TRC	0.003	0.004
IRON (FE) DIS	0.15	<0.05
IRON (FE) TRC	6.21	1.11
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	0.0057	0.001
MANGANESE (MN) DIS	<0.005	0.065

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	11:15	11:05
LAB	EL	EL
LAB NUMBER	2040346002	2050407002
SAMPLE NUMBER	OCC-1204-101	OCC-1205-601
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC	2.09	0.084
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	0.02	<0.01
SELENIUM (SE) DIS	0.001	<0.001
SELENIUM (SE) TRC	0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	0.04	0.13
ZINC (ZN) TRC	0.44	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	11:00	10:30
LAB	HYDRO	EL
LAB NUMBER		2050407001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1204-114	OCC-1205-600
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	NO MEAS
PH (FLD)		8.15
PH		8.0
SODIUM ADSORPTION RATIO		2.65
SC (UMHOS/CM AT 25 C)		3140.0
SC (UMHOS/CM AT 25 C) (FLD)		3020.0
TDS (MEASURED AT 180 C)		2420.0
TOTAL SUSPENDED SOLIDS		8.0
TURBIDITY (NTU)		1.5
		H
WATER TEMPERATURE (FLD)		14.1
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		262.0
CALCIUM (CA) TRC		256.0
MAGNESIUM (MG) DIS		183.0
MAGNESIUM (MG) TRC		189.0
SODIUM (NA) DIS		228.0
SODIUM (NA) TRC		229.0
POTASSIUM (K) DIS		13.0
POTASSIUM (K) TRC		13.0
TOTAL ALKALINITY AS CACO3		370.0
BICARBONATE (HCO3)		450.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		1500.0
CHLORIDE (CL)		30.0
FLUORIDE (F)		0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N		2.19
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.088
BARIUM (BA) TRC		0.09
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.08
BORON (B) TRC		0.08
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		0.002
COPPER (CU) TRC		0.003
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.13
LEAD (PB) DIS		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	11:00	10:30
LAB	HYDRO	EL
LAB NUMBER		2050407001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1204-114	OCC-1205-600

-- METALS & MINOR CONSTITUENTS --

LEAD (PB)	TRC	<0.0005
MANGANESE (MN)	DIS	0.007
MANGANESE (MN)	TRC	0.018
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	0.01
ZINC (ZN)	TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:15	11:55
LAB	BL	BL
LAB NUMBER	2040346004	2050407003
SAMPLE NUMBER	OCC-1204-103	OCC-1205-602
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)	8.39	8.22
PH	8.1	8.3
SODIUM ADSORPTION RATIO	5.47	5.46
SC (UMHOS/CM AT 25 C)	3450.0	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3304.0	3363.0
TDS (MEASURED AT 180 C)	2780.0	2790.0
TOTAL SUSPENDED SOLIDS	18.0	12.0
TURBIDITY (NTU)	16.3	110.0
		H
WATER TEMPERATURE (FLD)	13.5	13.7
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	162.0	155.0
CALCIUM (CA) TRC	159.0	157.0
MAGNESIUM (MG) DIS	189.0	184.0
MAGNESIUM (MG) TRC	187.0	189.0
SODIUM (NA) DIS	432.0	426.0
SODIUM (NA) TRC	426.0	427.0
POTASSIUM (K) DIS	14.0	14.0
POTASSIUM (K) TRC	14.0	15.0
TOTAL ALKALINITY AS CACO3	640.0	660.0
BICARBONATE (HCO3)	760.0	770.0
CARBONATE AS CO3	12.0	17.0
SULFATE (SO4)	1500.0	1500.0
CHLORIDE (CL)	11.0	11.0
FLUORIDE (F)	0.6	0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.03	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.4	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.033	0.033
BARIUM (BA) TRC	0.039	0.034
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.33	0.35
BORON (B) TRC	0.31	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.002	0.001
IRON (FE) DIS	<0.05	<0.05
IRON (FE) TRC	1.13	0.58
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:15	11:55
LAB	EL	EL
LAB NUMBER	2040346004	2050407003
SAMPLE NUMBER	OCC-1204-103	OCC-1205-602
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) DIS	0.558	0.177
MANGANESE (MN) TRC	0.588	0.181
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	0.003	0.002
SELENIUM (SE) TRC	0.003	0.002
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:00	11:40
LAB	EL	HYDRO
LAB NUMBER	2040346003	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1204-102	OCC-1205-614
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	DRY
PH (FLD)	8.31	
PH	8.1	
SODIUM ADSORPTION RATIO	5.49	
SC (UMHOS/CM AT 25 C)	3460.0	
SC (UMHOS/CM AT 25 C) (FLD)	3417.0	
TDS (MEASURED AT 180 C)	2650.0	
TOTAL SUSPENDED SOLIDS	8.0	
TURBIDITY (NTU)	7.7	
WATER TEMPERATURE (FLD)	13.4	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	158.0	
CALCIUM (CA) TRC	162.0	
MAGNESIUM (MG) DIS	104.0	
MAGNESIUM (MG) TRC	189.0	
SODIUM (NA) DIS	429.0	
SODIUM (NA) TRC	423.0	
POTASSIUM (K) DIS	14.0	
POTASSIUM (K) TRC	14.0	
TOTAL ALKALINITY AS CACO3	620.0	
BICARBONATE (HCO3)	750.0	
CARBONATE AS CO3	6.0	
SULFATE (SO4)	1500.0	
CHLORIDE (CL)	10.0	
FLUORIDE (F)	0.5	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.04	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	0.1	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.03	
BARIUM (BA) TRC	0.035	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.31	
BORON (B) TRC	0.32	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	0.001	
COPPER (CU) TRC	<0.001	
IRON (FE) DIS	<0.05	
IRON (FE) TRC	0.62	
LEAD (PB) DIS	<0.0005	
LEAD (PB) TRC	<0.0005	
MANGANESE (MN) DIS	0.412	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	12:00	11:40
LAB	EL	HYDRO
LAB NUMBER	2040346003	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1204-102	OCC-1205-614

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.467	
MERCURY (HG) DIS	<0.00005	
MERCURY (HG) TOT	<0.00005	
MOLYBDENUM (MO) DIS	<0.005	
MOLYBDENUM (MO) TRC	<0.005	
NICKEL (NI) DIS	<0.01	
NICKEL (NI) TRC	<0.01	
SELENIUM (SE) DIS	0.003	
SELENIUM (SE) TRC	0.003	
VANADIUM (V) DIS	<0.1	
VANADIUM (V) TRC	<0.1	
ZINC (ZN) DIS	<0.01	
ZINC (ZN) TRC	<0.01	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13
SAMPLE DATE	04/19/2012	05/23/2012
SAMPLE TIME	13:55	08:56
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-107	OCC-1205-608
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	16:50	14:05
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-110	OCC-1205-617
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-15
SAMPLE DATE	04/19/2012
SAMPLE TIME	16:53
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-111

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	05/03/2012
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	2050095026
SAMPLE NUMBER	OCC-1205-707
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	6.92
PH (FLD)	8.5
PH	8.3
SODIUM ADSORPTION RATIO	5.72
SC (UMHOS/CM AT 25 C)	3960.0
SC (UMHOS/CM AT 25 C) (FLD)	3788.0
TDS (MEASURED AT 180 C)	3220.0
TOTAL SUSPENDED SOLIDS	32.0
TURBIDITY (NTU)	12.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	134.0
CALCIUM (CA) TRC	125.0
MAGNESIUM (MG) DIS	250.0
MAGNESIUM (MG) TRC	261.0
SODIUM (NA) DIS	493.0
SODIUM (NA) TRC	512.0
POTASSIUM (K) DIS	19.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.031
BARIUM (BA) TRC	0.038
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.34
BORON (B) TRC	0.35
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.6
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0006
MANGANESE (MN) DIS	0.117
MANGANESE (MN) TRC	0.292

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	05/03/2012
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	2050095026
SAMPLE NUMBER	OCC-1205-707

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17	SW-17
SAMPLE DATE	04/19/2012	05/24/2012
SAMPLE TIME	16:30	13:55
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1204-109	OCC-1205-616
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18
SAMPLE DATE	05/23/2012
SAMPLE TIME	15:32
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-120S-606

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19
SAMPLE DATE	05/23/2012
SAMPLE TIME	15:12
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1205-605

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20
SAMPLE DATE	05/23/2012
SAMPLE TIME	15:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1205-604

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	05/03/2012
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	2050095025
SAMPLE NUMBER	OCC-1205-706

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	5.1
PH (FLD)	8.57
PH	8.4
SODIUM ADSORPTION RATIO	5.57
SC (UMHOS/CM AT 25 C)	3850.0
SC (UMHOS/CM AT 25 C) (FLD)	3737.0
TDS (MEASURED AT 180 C)	3130.0
TOTAL SUSPENDED SOLIDS	24.0
TURBIDITY (NTU)	7.7
WATER TEMPERATURE (FLD)	17.4

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	141.0
CALCIUM (CA) TRC	133.0
MAGNESIUM (MG) DIS	257.0
MAGNESIUM (MG) TRC	250.0
SODIUM (NA) DIS	481.0
SODIUM (NA) TRC	486.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	19.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.6

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.031
BARIUM (BA) TRC	0.034
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.35
BORON (B) TRC	0.35
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.48
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.187
MANGANESE (MN) TRC	0.244

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	05/03/2012
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	2050095025
SAMPLE NUMBER	OCC-1205-706

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23
SAMPLE DATE	04/19/2012	05/02/2012
SAMPLE TIME	15:10	14:00
LAB	EL	HYDRO
LAB NUMBER	2040346001	
REMARKS		NO SAMPLE
OTHER INFO		Field Pars On
SAMPLE NUMBER	OCC-1204-100	OCC-1205-714
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	0.06	0.086
PH (FLD)	8.24	8.03
PH	8.0	
SODIUM ADSORPTION RATIO	6.81	
SC (UMHOS/CM AT 25 C)	4520.0	
SC (UMHOS/CM AT 25 C) (FLD)	4295.0	3821.0
TDS (MEASURED AT 180 C)	3810.0	
TOTAL SUSPENDED SOLIDS	6.0	
TURBIDITY (NTU)	5.0	
WATER TEMPERATURE (FLD)	13.4	17.4
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	154.0	
CALCIUM (CA) TRC	154.0	
MAGNESIUM (MG) DIS	267.0	
MAGNESIUM (MG) TRC	264.0	
SODIUM (NA) DIS	604.0	
SODIUM (NA) TRC	610.0	
POTASSIUM (K) DIS	22.0	
POTASSIUM (K) TRC	22.0	
TOTAL ALKALINITY AS CACO3	680.0	
BICARBONATE (HCO3)	830.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	2200.0	
CHLORIDE (CL)	12.0	
FLUORIDE (F)	0.6	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	
-- METALS & MINOR CONSTITURNTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	<0.1	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.028	
BARIUM (BA) TRC	0.029	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.57	
BORON (B) TRC	0.55	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	<0.001	
COPPER (CU) TRC	<0.001	
IRON (FE) DIS	<0.05	
IRON (FE) TRC	0.42	
LEAD (PB) DIS	<0.0005	
LEAD (PB) TRC	<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23
SAMPLE DATE	04/19/2012	05/02/2012
SAMPLE TIME	15:10	14:00
LAB	EL	HYDRO
LAB NUMBER	2040346001	
REMARKS		NO SAMPLE
OTHER INFO		Field Pars On
SAMPLE NUMBER	OCC-1204-100	OCC-1205-714

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN)	DIS	0.036
MANGANESE (MN)	TRC	0.04
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24
SAMPLE DATE	04/19/2012
SAMPLE TIME	08:55
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-113

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A1
SAMPLE DATE	04/26/2012
SAMPLE TIME	10:00
LAB	EL
LAB NUMBER	2040471031
SAMPLE NUMBER	OCC-1204-530
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.73
PH (FLD)	7.7
PH	7.8
SODIUM ADSORPTION RATIO	8.52
SC (UMHOS/CM AT 25 C)	2700.0
SC (UMHOS/CM AT 25 C) (FLD)	2620.0
TDS (MEASURED AT 180 C)	1900.0
WATER TEMPERATURE (FLD)	9.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	53.0
MAGNESIUM (MG) DIS	86.0
SODIUM (NA) DIS	432.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	17.0
SULFATE (SO4)	750.0
CHLORIDE (CL)	57.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.14
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.032
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.012
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.012
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.005
VANADIUM (V) DIS	0.2
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	04/25/2012
SAMPLE TIME	17:18
LAB	EL
LAB NUMBER	2040471025
SAMPLE NUMBER	OCC-1204-524
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.6
PH (FLD)	7.7
PH	7.4
SODIUM ADSORPTION RATIO	5.24
SC (UMHOS/CM AT 25 C)	3400.0
SC (UMHOS/CM AT 25 C) (FLD)	3170.0
TDS (MEASURED AT 180 C)	2660.0
WATER TEMPERATURE (FLD)	12.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	125.0
MAGNESIUM (MG) DIS	197.0
SODIUM (NA) DIS	404.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.51
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.41
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.245
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	04/25/2012
SAMPLE TIME	17:52
LAB	EL
LAB NUMBER	2040471026
SAMPLE NUMBER	OCC-1204-525
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.4
PH (FLD)	7.65
PH	7.4
SODIUM ADSORPTION RATIO	4.68
SC (UMHOS/CM AT 25 C)	3100.0
SC (UMHOS/CM AT 25 C) (FLD)	2990.0
TDS (MEASURED AT 180 C)	2330.0
WATER TEMPERATURE (FLD)	12.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	114.0
MAGNESIUM (MG) DIS	186.0
SODIUM (NA) DIS	349.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
	UJ1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.44
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.29
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	05/01/2012
SAMPLE TIME	15:26
LAB	EL
LAB NUMBER	2050095004
SAMPLE NUMBER	OCC-1205-543
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.9
PH (FLD)	7.61
PH	7.0
SODIUM ADSORPTION RATIO	5.62
SC (UMHOS/CM AT 25 C)	3660.0
SC (UMHOS/CM AT 25 C) (FLD)	3472.0
TDS (MEASURED AT 180 C)	2920.0
WATER TEMPERATURE (FLD)	6.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	172.0
MAGNESIUM (MG) DIS	194.0
SODIUM (NA) DIS	453.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.26
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	1.32
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	04/25/2012
SAMPLE TIME	10:27
LAB	EL
LAB NUMBER	2040471020
SAMPLE NUMBER	OCC-1204-519
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.23
PH (FLD)	7.61
PH	7.8
SODIUM ADSORPTION RATIO	9.04
SC (UMHOS/CM AT 25 C)	5800.0
SC (UMHOS/CM AT 25 C) (FLD)	3610.0
TDS (MEASURED AT 180 C)	5160.0
WATER TEMPERATURE (FLD)	7.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	168.0
MAGNESIUM (MG) DIS	313.0
SODIUM (NA) DIS	859.0
POTASSIUM (K) DIS	26.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2900.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.11
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.11
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	04/25/2012
SAMPLE TIME	16:41
LAB	EL
LAB NUMBER	2040471024
SAMPLE NUMBER	OCC-1204-523
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.61
PH (FLD)	7.6
PH	7.6
SODIUM ADSORPTION RATIO	6.43
SC (UMHOS/CM AT 25 C)	3800.0
SC (UMHOS/CM AT 25 C) (FLD)	3550.0
TDS (MEASURED AT 180 C)	3060.0
WATER TEMPERATURE (FLD)	12.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	129.0
MAGNESIUM (MG) DIS	205.0
SODIUM (NA) DIS	505.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.40
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.556
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVP1-2
SAMPLE DATE	04/23/2012
SAMPLE TIME	11:35
LAB	EL
LAB NUMBER	2040471001
SAMPLE NUMBER	OCC-1204-500
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.59
PH (FLD)	7.34
PH	7.8
SODIUM ADSORPTION RATIO	5.15
SC (UMHOS/CM AT 25 C)	1740.0
SC (UMHOS/CM AT 25 C) (FLD)	1490.0
TDS (MEASURED AT 180 C)	1170.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	56.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	241.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	4.0
SULFATE (SO4)	470.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.6
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.004
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.32
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.189
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	04/26/2012
SAMPLE TIME	11:15
LAB	EL
LAB NUMBER	2040471032
SAMPLE NUMBER	OCC-1204-S31

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	4.97
PH (FLD)	NO MEAS
PH	7.5
SODIUM ADSORPTION RATIO	5.92
SC (UMHOS/CM AT 25 C)	3300.0
SC (UMHOS/CM AT 25 C) (FLD)	3180.0
TDS (MEASURED AT 180 C)	2540.0
WATER TEMPERATURE (FLD)	10.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	100.0
MAGNESIUM (MG) DIS	166.0
SODIUM (NA) DIS	416.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.5
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.25
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.782
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	04/25/2012
SAMPLE TIME	09:57
LAB	EL
LAB NUMBER	2040471019
SAMPLE NUMBER	OCC-1204-518
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.37
PH (FLD)	7.44
PH	7.7
SODIUM ADSORPTION RATIO	6.2
SC (UMHOS/CM AT 25 C)	4900.0
SC (UMHOS/CM AT 25 C) (FLD)	4500.0
TDS (MEASURED AT 180 C)	4230.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	195.0
MAGNESIUM (MG) DIS	316.0
SODIUM (NA) DIS	602.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	870.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2300.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.37
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.75
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.66
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	04/23/2012
SAMPLE TIME	12:18
LAB	EL
LAB NUMBER	2040471002
SAMPLE NUMBER	OCC-1204-501
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.44
PH (FLD)	7.38
PH	7.7
SODIUM ADSORPTION RATIO	2.93
SC (UMHOS/CM AT 25 C)	1530.0
SC (UMHOS/CM AT 25 C) (FLD)	1540.0
TDS (MEASURED AT 180 C)	1030.0
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	78.0
SODIUM (NA) DIS	152.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	440.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	440.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.66
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.61
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.054
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	05/02/2012
SAMPLE TIME	15:34
LAB	EL
LAB NUMBER	2050095014
SAMPLE NUMBER	OCC-1205-553
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.53
PH (FLD)	7.56
PH	7.5
SODIUM ADSORPTION RATIO	6.53
SC (UMHOS/CM AT 25 C)	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	2867.0
TDS (MEASURED AT 180 C)	2220.0
WATER TEMPERATURE (FLD)	12.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	101.0
MAGNESIUM (MG) DIS	132.0
SODIUM (NA) DIS	424.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.88
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.007
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.164
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-K
SAMPLE DATE	04/24/2012
SAMPLE TIME	09:37
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-5S8

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	04/24/2012
SAMPLE TIME	09:56
LAB	EL
LAB NUMBER	2040471009
SAMPLE NUMBER	OCC-1204-S08
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	39.12
PH (FLD)	7.68
PH	7.8
SODIUM ADSORPTION RATIO	1.76
SC (UMHOS/CM AT 25 C)	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1120.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	65.0
MAGNESIUM (MG) DIS	99.0
SODIUM (NA) DIS	96.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	290.0
BICARBONATE (HCO3)	350.0
CARBONATE AS CO3	2.0
SULFATE (SO4)	520.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.25
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.18
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.023
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.018
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	05/02/2012
SAMPLE TIME	08:00
LAB	EL
LAB NUMBER	2050095008
SAMPLE NUMBER	OCC-1205-547
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.32
PH (FLD)	7.93
PH	7.9
SODIUM ADSORPTION RATIO	52.1
SC (UMHOS/CM AT 25 C)	4750.0
SC (UMHOS/CM AT 25 C) (FLD)	4573.0
TDS (MEASURED AT 180 C)	3380.0
WATER TEMPERATURE (FLD)	14.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	9.0
SODIUM (NA) DIS	1130.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.22
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.057
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-D
SAMPLE DATE	05/02/2012
SAMPLE TIME	07:22
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1204-559

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	05/02/2012
SAMPLE TIME	09:23
LAB	EL
LAB NUMBER	2050095009
SAMPLE NUMBER	OCC-1205-548
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.57
PH (FLD)	8.68
PH	8.2
SODIUM ADSORPTION RATIO	45.1
SC (UMHOS/CM AT 25 C)	1190.0
SC (UMHOS/CM AT 25 C) (FLD)	1154.0
TDS (MEASURED AT 180 C)	725.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	285.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	33.0
FLUORIDE (F)	2.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.008
BARIUM (BA) DIS	0.059
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.042
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	04/23/2012
SAMPLE TIME	13:12
LAB	EL
LAB NUMBER	2040471003
SAMPLE NUMBER	OCC-1204-502
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.31
PH (FLD)	7.11
PH	7.2
SODIUM ADSORPTION RATIO	23.7
SC (UMHOS/CM AT 25 C)	6760.0
SC (UMHOS/CM AT 25 C) (FLD)	6650.0
TDS (MEASURED AT 180 C)	5500.0
WATER TEMPERATURE (FLD)	17.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	152.0
MAGNESIUM (MG) DIS	70.0
SODIUM (NA) DIS	1410.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	890.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	41.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.64
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.008
COPPER (CU) DIS	0.008
IRON (FE) DIS	1.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.131
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	04/23/2012
SAMPLE TIME	15:05
LAB	EL
LAB NUMBER	2040471004
SAMPLE NUMBER	OCC-1204-503
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	196.25
PH (FLD)	8.43
PH	8.3
SODIUM ADSORPTION RATIO	40.4
SC (UMHOS/CM AT 25 C)	1180.0
SC (UMHOS/CM AT 25 C) (FLD)	1151.0
TDS (MEASURED AT 180 C)	730.0
WATER TEMPERATURE (FLD)	17.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	288.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.058
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.02
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	04/23/2012
SAMPLE TIME	17:51
LAB	EL
LAB NUMBER	2040471006
SAMPLE NUMBER	OCC-1204-505
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.24
PH (FLD)	7.68
PH	7.8
SODIUM ADSORPTION RATIO	26.9
SC (UMHOS/CM AT 25 C)	5300.0
SC (UMHOS/CM AT 25 C) (FLD)	5110.0
TDS (MEASURED AT 180 C)	4010.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	39.0
SODIUM (NA) DIS	1140.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	950.0
CARBONATE AS CO3	<1.0
SULPATE (SO4)	2000.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.011
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.48
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.082
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	04/23/2012
SAMPLE TIME	16:50
LAB	EL
LAB NUMBER	2040471005
SAMPLE NUMBER	OCC-1204-504

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	120.91
PH (FLD)	7.08
PH	6.9
SODIUM ADSORPTION RATIO	3.88
SC (UMHOS/CM AT 25 C)	4430.0
SC (UMHOS/CM AT 25 C) (FLD)	4210.0
TDS (MEASURED AT 180 C)	3710.0
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	151.0
MAGNESIUM (MG) DIS	428.0
SODIUM (NA) DIS	412.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1300.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.14
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.195
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	04/24/2012
SAMPLE TIME	08:30
LAB	EL
LAB NUMBER	2040471007
SAMPLE NUMBER	OCC-1204-506

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.85
PH (FLD)	8.17
PH	8.2
SODIUM ADSORPTION RATIO	44.0
SC (UMHOS/CM AT 25 C)	2250.0
SC (UMHOS/CM AT 25 C) (FLD)	2250.0
TDS (MEASURED AT 180 C)	1520.0
WATER TEMPERATURE (FLD)	17.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	509.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	490.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	05/01/2012
SAMPLE TIME	17:54
LAB	EL
LAB NUMBER	2050095007
SAMPLE NUMBER	OCC-1205-546
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.26
PH (FLD)	8.21
PH	7.9
SODIUM ADSORPTION RATIO	53.1
SC (UMHOS/CM AT 25 C)	1310.0
SC (UMHOS/CM AT 25 C) (FLD)	1250.0
TDS (MEASURED AT 180 C)	815.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	335.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.079
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.1
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B5-0
SAMPLE DATE	05/03/2012
SAMPLE TIME	07:20
LAB	EL
LAB NUMBER	2050095018
SAMPLE NUMBER	DCC-1205-557
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	143.32
PH (FLD)	7.85
PH	7.6
SODIUM ADSORPTION RATIO	46.6
SC (UMHOS/CM AT 25 C)	2400.0
SC (UMHOS/CM AT 25 C) (FLD)	2466.0
TDS (MEASURED AT 180 C)	1560.0
WATER TEMPERATURE (FLD)	10.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	3.0
SODIUM (NA) DIS	566.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	920.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	14.0
SULFATE (SO4)	350.0
CHLORIDE (CL)	47.0
FLUORIDE (F)	4.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.033
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.28
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.221
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U	B5-U
SAMPLE DATE	05/01/2012	05/01/2012
SAMPLE TIME	17:00	17:10
LAB	EL	EL
LAB NUMBER	2050095005	2050095006
REMARKS		DUPLICATS
SAMPLE NUMBER	OCC-1205-544	OCC-1205-545
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	159.21	
PH (FLD)	8.72	
PH	8.1	8.2
SODIUM ADSORPTION RATIO	44.9	44.2
SC (UMHOS/CM AT 25 C)	1080.0	1080.0
SC (UMHOS/CM AT 25 C) (FLD)	1035.0	
TDS (MEASURED AT 180 C)	650.0	646.0
WATER TEMPERATURE (FLD)	17.0	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	2.0	2.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	263.0	259.0
POTASSIUM (K) DIS	1.0	1.0
TOTAL ALKALINITY AS CACO3	580.0	580.0
BICARBONATE (HCO3)	630.0	630.0
CARBONATE AS CO3	36.0	36.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	26.0	26.0
FLUORIDE (F)	2.0	2.0
HYDROXIDE (OH)	<4.0	<4.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.072	0.07
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.17	0.17
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.007	0.007
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	05/01/2012
SAMPLE TIME	11:25
LAB	EL
LAB NUMBER	2050095001
SAMPLE NUMBER	OCC-1205-540
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	127.1
PH (FLD)	8.18
PH	7.8
SODIUM ADSORPTION RATIO	51.4
SC (UMHOS/CM AT 25 C)	1440.0
SC (UMHOS/CM AT 25 C) (FLD)	1413.0
TDS (MEASURED AT 180 C)	896.0
WATER TEMPERATURE (FLD)	16.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	373.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	5.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.102
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	05/01/2012
SAMPLE TIME	14:35
LAB	EL
LAB NUMBER	2050095003
SAMPLE NUMBER	OCC-1205-542
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.66
PH (FLD)	8.36
PH	7.3
SODIUM ADSORPTION RATIO	49.8
SC (UMHOS/CM AT 25 C)	5100.0
SC (UMHOS/CM AT 25 C) (FLD)	4920.0
TDS (MEASURED AT 180 C)	3640.0
WATER TEMPERATURE (FLD)	17.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	25.0
MAGNESIUM (MG) DIS	13.0
SODIUM (NA) DIS	1230.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	21.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.154
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	05/01/2012
SAMPLE TIME	13:10
LAB	EL
LAB NUMBER	2050095002
SAMPLE NUMBER	OCC-1205-541
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.11
PH (FLD)	8.7
PH	5.6
SODIUM ADSORPTION RATIO	43.5
SC (UMHOS/CM AT 25 C)	968.0
SC (UMHOS/CM AT 25 C) (FLD)	925.0
TDS (MEASURED AT 180 C)	600.0
WATER TEMPERATURE (FLD)	18.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	236.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	04/26/2012
SAMPLE TIME	14:57
LAB	EL
LAB NUMBER	2040492002
SAMPLE NUMBER	OCC-1204-532
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	206.71
PH (FLD)	8.33
PH	8.7
SODIUM ADSORPTION RATIO	41.3
SC (UMHOS/CM AT 25 C)	999.0
SC (UMHOS/CM AT 25 C) (FLD)	1590.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	336.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	350.0
BICARBONATE (HCO3)	380.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	430.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.14
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	04/26/2012
SAMPLE TIME	15:49
LAB	EL
LAB NUMBER	2040492003
SAMPLE NUMBER	OCC-1204-533
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.19
PH (FLD)	7.97
PH	8.6
SODIUM ADSORPTION RATIO	47.4
SC (UMHOS/CM AT 25 C)	1820.0
SC (UMHOS/CM AT 25 C) (FLD)	1796.0
TDS (MEASURED AT 180 C)	1170.0
WATER TEMPERATURE (FLD)	17.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	442.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	41.0
SULFATE (SO4)	130.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.039
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	04/26/2012
SAMPLE TIME	17:00
LAB	BL
LAB NUMBER	2040492004
SAMPLE NUMBER	OCC-1204-534
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.61
PH (FLD)	7.7
PH	8.5
SODIUM ADSORPTION RATIO	46.6
SC (UMHOS/CM AT 25 C)	4970.0
SC (UMHOS/CM AT 25 C) (FLD)	4910.0
TDS (MEASURED AT 180 C)	3360.0
WATER TEMPERATURE (FLD)	16.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	26.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1110.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	920.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.065
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	04/27/2012
SAMPLE TIME	08:46
LAB	EL
LAB NUMBER	2040492001
SAMPLE NUMBER	OCC-1204-535

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.34
PH (FLD)	8.46
PH	8.8
SODIUM ADSORPTION RATIO	46.1
SC (UMHOS/CM AT 25 C)	999.0
SC (UMHOS/CM AT 25 C) (FLD)	1036.0
TDS (MEASURED AT 180 C)	626.0
WATER TEMPERATURE (FLD)	16.7

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	247.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	570.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	26.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.107
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	04/25/2012
SAMPLE TIME	11:53
LAB	EL
LAB NUMBER	2040471021
SAMPLE NUMBER	OCC-1204-520

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.27
PH (FLD)	8.45
PH	8.2
SODIUM ADSORPTION RATIO	40.4
SC (UMHOS/CM AT 25 C)	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	1590.0
TDS (MEASURED AT 180 C)	972.0
WATER TEMPERATURE (FLD)	16.2

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	340.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	28.0
SULFATE (SO4)	280.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<4.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	04/25/2012
SAMPLE TIME	14:48
LAB	EL
LAB NUMBER	2040471022
SAMPLE NUMBER	OCC-1204-521
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.87
PH (FLD)	7.1
PH	7.5
SODIUM ADSORPTION RATIO	5.5
SC (UMHOS/CM AT 25 C)	3300.0
SC (UMHOS/CM AT 25 C) (FLD)	2600.0
TDS (MEASURED AT 180 C)	2570.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	151.0
MAGNESIUM (MG) DIS	153.0
SODIUM (NA) DIS	401.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.27
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.085
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	04/25/2012
SAMPLE TIME	15:41
LAB	EL
LAB NUMBER	2040471023
SAMPLE NUMBER	OCC-1204-522
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	76.47
PH (FLD)	7.49
PH	7.7
SODIUM ADSORPTION RATIO	3.56
SC (UMHOS/CM AT 25 C)	2300.0
SC (UMHOS/CM AT 25 C) (FLD)	2240.0
TDS (MEASURED AT 180 C)	1750.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	69.0
MAGNESIUM (MG) DIS	158.0
SODIUM (NA) DIS	235.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	440.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	960.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.008
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.067
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	04/26/2012
SAMPLE TIME	08:30
LAB	EL
LAB NUMBER	2040471029
SAMPLE NUMBER	OCC-1204-528

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	148.34
PH (FLD)	8.41
PH	8.3
SODIUM ADSORPTION RATIO	37.6
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1170.0
TDS (MEASURED AT 180 C)	704.0
WATER TEMPERATURE (FLD)	17.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	264.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACD3	610.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.065
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	04/24/2012
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	2040471010
SAMPLE NUMBER	OCC-1204-509
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.39
PH (FLD)	8.23
PH	8.2
SODIUM ADSORPTION RATIO	56.7
SC (UMHOS/CM AT 25 C)	1640.0
SC (UMHOS/CM AT 25 C) (FLD)	1610.0
TDS (MEASURED AT 180 C)	1030.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	410.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	940.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	45.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	23.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.091
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.056
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	04/24/2012
SAMPLE TIME	12:45
LAB	EL
LAB NUMBER	2040471011
SAMPLE NUMBER	OCC-1204-510
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.72
PH (FLD)	8.52
PH	8.3
SODIUM ADSORPTION RATIO	39.7
SC (UMHOS/CM AT 25 C)	1050.0
SC (UMHOS/CM AT 25 C) (FLD)	1035.0
TDS (MEASURED AT 180 C)	664.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	244.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	26.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.7
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.035
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.14
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	04/27/2012
SAMPLE TIME	10:29
LAB	EL
LAB NUMBER	2040492005
SAMPLE NUMBER	OCC-1204-536
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.93
PH (FLD)	8.21
PH	8.7
SODIUM ADSORPTION RATIO	44.3
SC (UMHOS/CM AT 25 C)	1460.0
SC (UMHOS/CM AT 25 C) (FLD)	1640.0
TDS (MEASURED AT 180 C)	938.0
WATER TEMPERATURE (FLD)	13.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	364.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	3.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.124
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.1
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	04/27/2012
SAMPLE TIME	10:02
LAB	EL
LAB NUMBER	2040492006
SAMPLE NUMBER	OCC-1204-537
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.58
PH (FLD)	7.11
PH	8.1
SODIUM ADSORPTION RATIO	23.8
SC (UMHOS/CM AT 25 C)	5110.0
SC (UMHOS/CM AT 25 C) (FLD)	4930.0
TDS (MEASURED AT 180 C)	3860.0
WATER TEMPERATURE (FLD)	11.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	100.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1120.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.26
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.000
IRON (FE) DIS	0.57
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.047
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	04/27/2012
SAMPLE TIME	11:15
LAB	EL
LAB NUMBER	2040492007
SAMPLE NUMBER	OCC-1204-538
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.86
PH (FLD)	5.81
PH	6.3
SODIUM ADSORPTION RATIO	24.7
SC (UMHOS/CM AT 25 C)	3320.0
SC (UMHOS/CM AT 25 C) (FLD)	3240.0
TDS (MEASURED AT 180 C)	3720.0
WATER TEMPERATURE (FLD)	10.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	32.0
MAGNESIUM (MG) DIS	24.0
SODIUM (NA) DIS	733.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	340.0
BICARBONATE (HCO3)	420.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	3.8
ARSENIC (AS) DIS	0.18
BARIUM (BA) DIS	0.077
BERYLLIUM (BE) DIS	0.002
BORON (B) DIS	0.33
CADMIUM (CD) DIS	0.0002
CHROMIUM (CR) DIS	0.01
COPPER (CU) DIS	0.003
IRON (FE) DIS	31.7
LEAD (PB) DIS	0.0129
MANGANESE (MN) DIS	0.111
MERCURY (HG) DIS	0.00016
MOLYBDENUM (MO) DIS	0.012
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	04/27/2012
SAMPLE TIME	11:50
LAB	EL
LAB NUMBER	2040492007
SAMPLE NUMBER	OCC-1204-539
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	65.28
PH (FLD)	8.21
PH	8.6
SODIUM ADSORPTION RATIO	42.3
SC (UMHOS/CM AT 25 C)	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1381.0
TDS (MEASURED AT 180 C)	844.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	329.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	63.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.125
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.036
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	04/24/2012
SAMPLE TIME	16:12
LAB	EL
LAB NUMBER	2040471013
SAMPLE NUMBER	OCC-1204-512
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	191.02
PH (FLD)	8.08
PH	8.0
SODIUM ADSORPTION RATIO	50.8
SC (UMHOS/CM AT 25 C)	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1081.0
TDS (MEASURED AT 180 C)	696.0
WATER TEMPERATURE (FLD)	16.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	263.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	720.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	6.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.108
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-D
SAMPLE DATE	04/25/2012
SAMPLE TIME	07:50
LAB	EL
LAB NUMBER	2040471016
SAMPLE NUMBER	OCC-1204-515
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	110.98
PH (FLD)	7.73
PH	7.6
SODIUM ADSORPTION RATIO	39.5
SC (UMHOS/CM AT 25 C)	7610.0
SC (UMHOS/CM AT 25 C) (FLD)	7480.0
TDS (MEASURED AT 180 C)	5910.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1700.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	920.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3200.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.14
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.026
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.225
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	04/25/2012
SAMPLE TIME	08:26
LAB	EL
LAB NUMBER	2040471015
SAMPLE NUMBER	OCC-1204-514
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	176.03
PH (FLD)	8.69
PH	8.3
SODIUM ADSORPTION RATIO	37.0
SC (UMHOS/CM AT 25 C)	977.0
SC (UMHOS/CM AT 25 C) (FLD)	989.0
TDS (MEASURED AT 180 C)	622.0
WATER TEMPERATURE (FLD)	18.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	231.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
	UJ1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.058
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	04/24/2012
SAMPLE TIME	09:05
LAB	EL
LAB NUMBER	2040471008
SAMPLE NUMBER	OCC-1204-507
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.5
PH (FLD)	7.84
PH	8.0
SODIUM ADSORPTION RATIO	0.9
SC (UMHOS/CM AT 25 C)	922.0
SC (UMHOS/CM AT 25 C) (FLD)	909.0
TDS (MEASURED AT 180 C)	700.0
WATER TEMPERATURE (FLD)	12.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	76.0
MAGNESIUM (MG) DIS	53.0
SODIUM (NA) DIS	42.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACD3	130.0
BICARBONATE (HCO3)	160.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	360.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.74
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.022
BARIUM (BA) DIS	0.01
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	0.3
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	04/26/2012
SAMPLE TIME	09:24
LAB	EL
LAB NUMBER	2040471030
SAMPLE NUMBER	OCC-1204-529
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.06
PH (FLD)	7.18
PH	7.7
SODIUM ADSORPTION RATIO	7.28
SC (UMHOS/CM AT 25 C)	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	3030.0
TDS (MEASURED AT 180 C)	2140.0
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	116.0
SODIUM (NA) DIS	429.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	960.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	6.08
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.057
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.02
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	05/02/2012
SAMPLE TIME	16:34
LAB	EL
LAB NUMBER	2050095015
SAMPLE NUMBER	OCC-1205-554
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.18
PH (FLD)	7.7
PH	7.5
SODIUM ADSORPTION RATIO	6.56
SC (UMHOS/CM AT 25 C)	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	3325.0
TDS (MEASURED AT 180 C)	2650.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	114.0
MAGNESIUM (MG) DIS	179.0
SODIUM (NA) DIS	483.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	4.95
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.478
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4
SAMPLE DATE	04/25/2012	04/25/2012
SAMPLE TIME	09:24	09:26
LAB	EL	EL
LAB NUMBER	2040471017	2040471018
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1204-516	OCC-1204-517
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	70.49	
PH (FLD)	7.55	
PH	7.5	7.5
SODIUM ADSORPTION RATIO	6.93	7.02
SC (UMHOS/CM AT 25 C)	4200.0	4100.0
SC (UMHOS/CM AT 25 C) (FLD)	4070.0	
TDS (MEASURED AT 180 C)	3300.0	3300.0
WATER TEMPERATURE (FLD)	13.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	134.0	138.0
MAGNESIUM (MG) DIS	212.0	219.0
SODIUM (NA) DIS	553.0	569.0
POTASSIUM (K) DIS	19.0	20.0
TOTAL ALKALINITY AS CACO3	710.0	710.0
BICARBONATE (HCO3)	860.0	860.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1800.0	1800.0
CHLORIDE (CL)	17.0	17.0
FLUORIDE (F)	0.7	0.6
HYDROXIDE (OH)	<4.0	<4.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.022	0.023
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.35	0.36
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	1.38	1.42
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.378	0.373
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	04/24/2012
SAMPLE TIME	13:46
LAB	EL
LAB NUMBER	2040471012
SAMPLE NUMBER	OCC-1204-511
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	73.32
PH (FLD)	8.29
PH	8.2
SODIUM ADSORPTION RATIO	36.1
SC (UMHOS/CM AT 25 C)	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	1290.0
TDS (MEASURED AT 180 C)	940.0
WATER TEMPERATURE (FLD)	16.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	364.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	920.0
CARBONATE AS CO3	43.0
SULFATE (SO4)	40.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.123
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	05/02/2012
SAMPLE TIME	11:12
LAB	EL
LAB NUMBER	2050095010
SAMPLE NUMBER	OCC-120S-549
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	61.0
PH (FLD)	8.76
PH	8.2
SODIUM ADSORPTION RATIO	40.2
SC (UMHOS/CM AT 25 C)	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1080.0
TDS (MEASURED AT 180 C)	696.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	273.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	14.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.096
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	05/02/2012
SAMPLE TIME	13:20
LAB	EL
LAB NUMBER	2050095013
SAMPLE NUMBER	OCC-1205-552
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.17
PH (FLD)	6.67
PH	7.0
SODIUM ADSORPTION RATIO	3.18
SC (UMHOS/CM AT 25 C)	2030.0
SC (UMHOS/CM AT 25 C) (FLD)	1968.0
TDS (MEASURED AT 180 C)	1450.0
WATER TEMPERATURE (FLD)	16.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	142.0
MAGNESIUM (MG) DIS	95.0
SODIUM (NA) DIS	200.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	580.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.3
CADMIUM (CD) DIS	<0.00000
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.79
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.102
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	05/02/2012
SAMPLE TIME	12:52
LAB	EL
LAB NUMBER	2050095012
SAMPLE NUMBER	OCC-1205-551
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	52.03
PH (FLD)	8.75
PH	8.4
SODIUM ADSORPTION RATIO	40.5
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1048.0
TDS (MEASURED AT 180 C)	694.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	248.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	440.0
BICARBONATE (HCO3)	480.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	04/24/2012
SAMPLE TIME	17:23
LAB	EL
LAB NUMBER	2040471014
SAMPLE NUMBER	OCC-1204-S13
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.26
PH (FLD)	7.9
PH	7.8
SODIUM ADSORPTION RATIO	44.6
SC (UMHOS/CM AT 25 C)	1290.0
SC (UMHOS/CM AT 25 C) (FLD)	1020.0
TDS (MEASURED AT 180 C)	820.0
WATER TEMPERATURE (FLD)	14.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	311.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.104
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.035
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	05/02/2012
SAMPLE TIME	11:53
LAB	EL
LAB NUMBER	2050095011
SAMPLE NUMBER	OCC-1205-550
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.05
PH (FLD)	7.26
PH	7.5
SODIUM ADSORPTION RATIO	12.5
SC (UMHOS/CM AT 25 C)	3490.0
SC (UMHOS/CM AT 25 C) (FLD)	3347.0
TDS (MEASURED AT 180 C)	2470.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	84.0
MAGNESIUM (MG) DIS	80.0
SODIUM (NA) DIS	667.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	960.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.64
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.09
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	SECTION 33 SP
SAMPLE DATE	05/03/2012
SAMPLE TIME	16:10
LAB	EL
LAB NUMBER	2050095029
SAMPLE NUMBER	OCC-1205-710

-- PHYSICAL PARAMETERS --	
PH (FLD)	8.31
PH	8.1
SODIUM ADSORPTION RATIO	68.4
SC (UMHOS/CM AT 25 C)	2400.0
SC (UMHOS/CM AT 25 C) (FLD)	2355.0
TDS (MEASURED AT 180 C)	1450.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	<0.2
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
CALCIUM (CA) TRC	4.0
MAGNESIUM (MG) DIS	1.0
MAGNESIUM (MG) TRC	1.0
SODIUM (NA) DIS	573.0
SODIUM (NA) TRC	566.0
POTASSIUM (K) DIS	2.0
POTASSIUM (K) TRC	2.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1300.0
CARBONATE AS CO3	46.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	190.0
FLUORIDE (F)	5.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.269
BARIUM (BA) TRC	0.273
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.3
BORON (B) TRC	0.32
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	SECTION 33 SP
SAMPLE DATE	05/03/2012
SAMPLE TIME	16:10
LAB	EL
LAB NUMBER	2050095029
SAMPLE NUMBER	OCC-1205-710

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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R:Rejected.

Sample Type: POND

SITE CODE	P1	P1
SAMPLE DATE	05/03/2012	05/03/2012
SAMPLE TIME	07:45	07:48
LAB	EL	EL
LAB NUMBER	2050095019	2050095020
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1205-700	OCC-1205-701
-- PHYSICAL PARAMETERS --		
PH (FLD)	7.7	7.55
PH	7.4	7.5
SODIUM ADSORPTION RATIO	9.14	9.14
SC (UMHOS/CM AT 25 C)	2460.0	2460.0
SC (UMHOS/CM AT 25 C) (FLD)	2380.0	2132.0
TDS (MEASURED AT 180 C)	1800.0	1820.0
TOTAL SUSPENDED SOLIDS	10.0	14.0
TURBIDITY (NTU)	9.5	7.8
WATER TEMPERATURE (FLD)	9.2	8.6
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	65.0	66.0
CALCIUM (CA) TRC	66.0	65.0
MAGNESIUM (MG) DIS	56.0	57.0
MAGNESIUM (MG) TRC	57.0	57.0
SODIUM (NA) DIS	417.0	419.0
SODIUM (NA) TRC	434.0	429.0
POTASSIUM (K) DIS	17.0	17.0
POTASSIUM (K) TRC	17.0	17.0
TOTAL ALKALINITY AS CACO3	480.0	480.0
BICARBONATE (HCO3)	590.0	590.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	880.0	880.0
CHLORIDE (CL)	9.0	9.0
FLUORIDE (F)	0.3	0.4
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.2	0.1
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.042	0.042
BARIUM (BA) TRC	0.045	0.042
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.03	0.03
	UJ1	
BORON (B) TRC	0.03	0.03
	UJ1	
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.001	0.001
IRON (FE) DIS	0.67	0.67
IRON (FE) TRC	1.1	1.0

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1	P1
SAMPLE DATE	05/03/2012	05/03/2012
SAMPLE TIME	07:45	07:48
LAB	EL	EL
LAB NUMBER	2050095019	2050095020
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1205-700	OCC-1205-701
-- METALS & MINOR CONSTITUENTS --		
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005
MANGANESE (MN) DIS	0.339	0.336
MANGANESE (MN) TRC	0.359	0.349
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P2
SAMPLE DATE	05/03/2012
SAMPLE TIME	13:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1205-716

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3	P3
SAMPLE DATE	05/03/2012	05/24/2012
SAMPLE TIME	08:30	09:56
LAB	EL	HYDRO
LAB NUMBER	2050095021	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1205-702	OCC-1205-613
-- PHYSICAL PARAMETERS --		
FLOW (cfs)		DRY
PH	7.2	
SODIUM ADSORPTION RATIO	2.98	
SC (UMHOS/CM AT 25 C)	2160.0	
TDS (MEASURED AT 180 C)	1760.0	
TOTAL SUSPENDED SOLIDS	144.0	
TURBIDITY (NTU)	8.8	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	190.0	
CALCIUM (CA) TRC	158.0	
MAGNESIUM (MG) DIS	73.0	
MAGNESIUM (MG) TRC	77.0	
SODIUM (NA) DIS	191.0	
SODIUM (NA) TRC	203.0	
POTASSIUM (K) DIS	40.0	
POTASSIUM (K) TRC	38.0	
TOTAL ALKALINITY AS CACO3	120.0	
BICARBONATE (HCO3)	140.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	1100.0	
CHLORIDE (CL)	23.0	
FLUORIDE (F)	0.1	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.23	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	0.2	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.09	
BARIUM (BA) TRC	0.129	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.04	
	UJ1	
BORON (B) TRC	0.04	
	UJ1	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	0.003	
COPPER (CU) TRC	0.005	
IRON (FE) DIS	0.06	
IRON (FE) TRC	0.71	
LEAD (PB) DIS	<0.0005	
LEAD (PB) TRC	<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P3	P3
SAMPLE DATE	05/03/2012	05/24/2012
SAMPLE TIME	08:30	09:56
LAB	EL	HYDRO
LAB NUMBER	2050095021	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1205-702	OCC-1205-613

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN)	DIS	0.299
MANGANESE (MN)	TRC	0.272
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	05/03/2012
SAMPLE TIME	07:20
LAB	EL
LAB NUMBER	2050095022
SAMPLE NUMBER	OCC-1205-703
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.82
PH	7.4
SODIUM ADSORPTION RATIO	2.11
SC (UMHOS/CM AT 25 C)	1030.0
SC (UMHOS/CM AT 25 C) (FLD)	1027.0
TDS (MEASURED AT 180 C)	760.0
TOTAL SUSPENDED SOLIDS	6.0
TURBIDITY (NTU)	3.6
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
CALCIUM (CA) TRC	67.0
MAGNESIUM (MG) DIS	38.0
MAGNESIUM (MG) TRC	38.0
SODIUM (NA) DIS	89.0
SODIUM (NA) TRC	93.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	170.0
BICARBONATE (HCO3)	210.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	380.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.12
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.056
BARIUM (BA) TRC	0.058
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.05
	UJ1
BORON (B) TRC	0.05
	UJ1
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	1.08
IRON (FE) TRC	0.95
LEAD (PB) DIS	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	05/03/2012
SAMPLE TIME	07:20
LAB	EL
LAB NUMBER	2050095022
SAMPLE NUMBER	OCC-1205-703

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.369
MANGANESE (MN) TRC	0.375
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	05/03/2012
SAMPLE TIME	10:30
LAB	EL
LAB NUMBER	2050095023
SAMPLE NUMBER	OCC-1205-704
-- PHYSICAL PARAMETERS --	
PH (FLD)	8.64
PH	8.6
SODIUM ADSORPTION RATIO	9.68
SC (UMHOS/CM AT 25 C)	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	2994.0
TDS (MEASURED AT 180 C)	2460.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	2.6
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
CALCIUM (CA) TRC	69.0
MAGNESIUM (MG) DIS	89.0
MAGNESIUM (MG) TRC	89.0
SODIUM (NA) DIS	520.0
SODIUM (NA) TRC	543.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	240.0
BICARBONATE (HCO3)	250.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.031
BARIUM (BA) TRC	0.032
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.05
	UJ1
BORON (B) TRC	0.05
	UJ1
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.08
IRON (FE) TRC	0.16
LEAD (PB) DIS	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	05/03/2012
SAMPLE TIME	10:30
LAB	EL
LAB NUMBER	2050095023
SAMPLE NUMBER	OCC-1205-704

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.008
MANGANESE (MN) TRC	0.03
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	05/03/2012
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	2050095024
SAMPLE NUMBER	OCC-120S-705
-- PHYSICAL PARAMETERS --	
PH (FLD)	8.42
PH	8.3
SODIUM ADSORPTION RATIO	4.88
SC (UMHOS/CM AT 25 C)	3060.0
SC (UMHOS/CM AT 25 C) (FLD)	2926.0
TDS (MEASURED AT 180 C)	2410.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	0.9
WATER TEMPERATURE (FLD)	16.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	99.0
CALCIUM (CA) TRC	94.0
MAGNESIUM (MG) DIS	202.0
MAGNESIUM (MG) TRC	192.0
SODIUM (NA) DIS	368.0
SODIUM (NA) TRC	372.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	14.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.007
BARIUM (BA) TRC	0.008
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.39
BORON (B) TRC	0.39
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.007
MANGANESE (MN) TRC	0.01
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	05/03/2012
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	2050095024
SAMPLE NUMBER	OCC-1205-705

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:20	17:50	18:25
LAB	EL	EL	EL
LAB NUMBER	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- PHYSICAL PARAMETERS --			
PH	5.4	5.4	5.5
SODIUM ADSORPTION RATIO	0.07	0.04	0.01
SC (UMHOS/CM AT 25 C)	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	4.0	6.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			<0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	1.0	<1.0
BICARBONATE (HCO3)	<1.0	2.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.02	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	0.02	0.02	0.03
BORON (B) TRC			0.02
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:20	17:50	18:25
LAB	EL	EL	EL
LAB NUMBER	2040471027	2050095016	2050095031
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-526	OCC-1205-555	OCC-1205-712
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:25	18:00	18:45
LAB	EL	EL	EL
LAB NUMBER	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- PHYSICAL PARAMETERS --			
PH	5.1	5.1	4.9
SODIUM ADSORPTION RATIO	0.06	0.02	<0.01
SC (UMHOS/CM AT 25 C)	1.0	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<4.0	<4.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	0.02	0.02	0.02
BORON (B) TRC			0.02
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	04/25/2012	05/02/2012	05/03/2012
SAMPLE TIME	19:25	18:00	18:45
LAB	EL	EL	EL
LAB NUMBER	2040471028	2050095017	2050095032
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1204-527	OCC-1205-556	OCC-1205-713
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	05/03/2012
SAMPLE TIME	13:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
OTHER INFO	Field Pars On
SAMPLE NUMBER	OCC-1205-715

-- PHYSICAL PARAMETERS --

FLOW (cfs)	0.044
	E
PH (FLD)	7.61
SC (UMHOS/CM AT 25 C) (FLD)	5310.0
WATER TEMPERATURE (FLD)	14.8

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	05/03/2012
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	2050095027
SAMPLE NUMBER	OCC-1205-708
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.003
	E
PH (FLD)	7.33
PH	7.4
SODIUM ADSORPTION RATIO	10.2
SC (UMHOS/CM AT 25 C)	9430.0
SC (UMHOS/CM AT 25 C) (FLD)	8960.0
TDS (MEASURED AT 180 C)	9400.0
TOTAL SUSPENDED SOLIDS	70.0
TURBIDITY (NTU)	0.3
WATER TEMPERATURE (FLD)	11.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	346.0
CALCIUM (CA) TRC	334.0
MAGNESIUM (MG) DIS	694.0
MAGNESIUM (MG) TRC	684.0
SODIUM (NA) DIS	1430.0
SODIUM (NA) TRC	1480.0
POTASSIUM (K) DIS	26.0
POTASSIUM (K) TRC	26.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	5900.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	12.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.016
BARIUM (BA) TRC	0.016
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.74
BORON (B) TRC	0.74
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	05/03/2012
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	2050095027
SAMPLE NUMBER	OCC-1205-708

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.013
SELENIUM (SE) TRC	0.013
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Otter Creek Coal, LLC
July 2012 to September 2012 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

December 2012

Otter Creek Coal, LLC

July 2012 to September 2012 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 08/27/2012 through 09/18/2012

- Total number of samples taken at existing wells: 69 site samples, 2 field duplicates, 16 field observations, 3 DI and rinsate blanks, for a total of 91 samples.

- Frequency for field duplicates was 1 per 34, and 1 per 23 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 14 samples collected.

Violations involving field quality control:

- Rinsate Blank H12090092-018 (OCC-1209-717) was detected for Alkalinity, Total as $CaCO_3$ and Bicarbonate as $HC0_3$. The associated data was not qualified, as these parameters can be detected in a blank. Rinsate Blank H12090326-003 (OCC-1209-514) was detected for the analyte Sodium. However, per statistical analyses, the associated data was not affected and not qualified.

Violations involving laboratory quality control:

- For batches H12080485, H12080488, H12090092, H12090100, H12090326, and H12090328, the pH analysis was initiated outside of the 15 minute EPA recommended holding time. However, as a rule holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- H12080485-001 and H12080485-003 were analyzed outside of the Turbidity suggested holding time. A validation qualifier "H" was placed on these samples.
- Sample H12080485-011 was analyzed outside of the TSS (Total Suspended Solids) holding time. The laboratory reported the TSS was re-analyzed past the method recommended hold time to confirm results. The re-analysis is reported. These samples were qualified with an "H".
- Sample H12090092-015 was analyzed outside of the TDS (Total Dissolved Solids) suggested holding time. These samples were qualified with an "H".

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 100%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the Analytical parameters, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.
- Per the Analytical Parameters, Acidity, Total as $CaCO_3$ should be tested for if pH<6.0. The samples that had pH<6.0 were not tested for that particular analyte.
- Per the lab, Iron and Aluminum for samples H120990100-002 (OCC-1209-501) exhibited an increasing concentration when analyzed over time. The sample was re-filtered and analyzed in the lab to determine if the increasing concentration was due to a filtering contamination in the field. The lab-filtered sample exhibited the same increasing concentration of Iron and Aluminum. Both the lab filtered, and field filtered sample was analyzed using both EPA 200.7 (ICP) and EPA 200.8 (ICPMS). The field-filtered sample was then digested using EPA 200.2. The digestion was performed to liberate any metals analytes, which may have been sequestered, potentially in a complexed ion. The digested filtrate was then analyzed over 5 days to determine if the Aluminum and Iron were at an equilibrium. The sample results indicate that an equilibrium was reached. Additionally the results were compared for the other metals analytes between the digested and dissolved-the results were all within duplication. The results for the sample are reported from the digested sample.
- Due to limited sample volume and no total metals bottle submitted, sample H12080485-002 (OCC-1208-201) was not analyzed for Total Recoverable Metals.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary Of Flagged Data
  - Table 3. Summary of Duplicates
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.

Table 2.

Validator Qualified Analytical Results-3rd Quarter 2012

Sample ID	Lab ID	Matrix	Method	Analyte	Result	Units	Flag
OCC-1208-200	H12080485-001	Water	A2130 B	Turbidity	331	NTU	H
OCC-1208-202	H12080485-011	Water	A2130 B	Turbidity	110	NTU	H
OCC-1208-210	H12080485-004	Water	A2540 D	TSS	10	mg/L	H
OCC-1209-714	H12090092-015	Water	A2540 C	TDS	3940	mg/L	H

SITE CODE	B3-U	B3-U			
SAMPLE DATE	09/17/20	09/17/20			
LAB	EL	EL			
LAB NUMBER	2090326002	2090326004	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1209-513	OCC-1209-515	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.4	8.4	0.00%	x	
SODIUM ADSORPTION RATIO	44.1	44.6	1.13%	0.02	
SC (UMHOS/CM AT 25 C)	1210.0	1210.0	0.00%	x	
TDS (MEASURED AT 180 C)	690.0	688.0	0.29%	x	
CALCIUM (CA) DIS	2.0	2.0	0.00%	x	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	x	
SODIUM (NA) DIS	294.0	299.0	1.69%	x	
POTASSIUM (K) DIS	1.0	1.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	650.0	650.0	0.00%	x	
BICARBONATE (HCO3)	730.0	720.0	1.38%	x	
CARBONATE AS CO3	35.0	36.0	2.82%	x	
SULFATE (SO4)	<1.0	<1.0	UDL	x	
CHLORIDE (CL)	12.0	12.0	0.00%	x	
FLUORIDE (F)	2.0	2.0	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	x	
BARIUM (BA) DIS	0.067	0.067	0.00%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.14	0.14	0.00%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	<0.05	<0.05	UDL	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	0.017	0.019	11.11%	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.1	<0.1	UDL	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	C-3	C-3			
SAMPLE DATE	09/05/20	09/05/20			
LAB	EL	EL			
LAB NUMBER	2090092006	2090092007	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1209-705	OCC-1209-706	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.6	7.6	0.00%	x	
SODIUM ADSORPTION RATIO	6.52	6.59	1.07%	0.02	
SC (UMHOS/CM AT 25 C)	3240.0	3250.0	0.31%	x	
TDS (MEASURED AT 180 C)	2510.0	2390.0	4.90%	x	
CALCIUM (CA) DIS	112.0	113.0	0.89%	x	
MAGNESIUM (MG) DIS	172.0	173.0	0.58%	x	
SODIUM (NA) DIS	471.0	477.0	1.27%	x	
POTASSIUM (K) DIS	23.0	23.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	620.0	620.0	0.00%	x	
BICARBONATE (HCO3)	760.0	760.0	0.00%	x	
CARBONATE AS CO3	<1.0	<1.0	UDL	x	
SULFATE (SO4)	1500.0	1500.0	0.00%	x	
CHLORIDE (CL)	10.0	10.0	0.00%	x	
FLUORIDE (F)	0.8	0.8	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	x	
BARIUM (BA) DIS	0.015	0.015	0.00%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.5	0.5	0.00%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	0.002	0.002	0.00%	x	
IRON (FE) DIS	2.83	2.82	0.35%	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	0.416	0.417	0.24%	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.1	<0.1	UDL	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK
SAMPLE DATE	09/06/2012	09/17/2012
SAMPLE TIME	12:20	15:30
LAB	EL	EL
LAB NUMBER	2090092017	2090326003
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1209-716	OCC-1209-514
-- PHYSICAL PARAMETERS --		
PH	5.6	5.7
SODIUM ADSORPTION RATIO	0.05	0.62
SC (UMHOS/CM AT 25 C)	1.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK
SAMPLE DATE	09/06/2012
SAMPLE TIME	12:40
LAB	EL
LAB NUMBER	2090092018
REMARKS	BLANK
SAMPLE NUMBER	OCC-1209-717
-- PHYSICAL PARAMETERS --	
PH	5.4
SODIUM ADSORPTION RATIO	0.05
SC (UMHOS/CM AT 25 C)	1.0
TDS (MEASURED AT 180 C)	<4.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	<1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	<1.0
POTASSIUM (K) DIS	<1.0
TOTAL ALKALINITY AS CACO3	2.0
BICARBONATE (HCO3)	2.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	<1.0
FLUORIDE (F)	<0.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	<0.005
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	<0.01
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	09/05/2012	7.7	PH	08/23/2011-04/26/2012	4	7.8	8.1250	8.3	1.80	LOWEST
		8.98	SODIUM ADSORPTION RATIO	08/23/2011-04/26/2012	4	7.81	8.1900	8.52	2.69	HIGHEST
		2330.0	SC (UMHOS/CM AT 25 C)	08/23/2011-04/26/2012	4	2470.0	2652.5000	2800.0	2.33	LOWEST
		1610.0	TDS (MEASURED AT 180 C)	08/23/2011-04/26/2012	4	1680.0	1915.0000	2180.0	1.49	LOWEST
		47.0	CALCIUM (CA) DIS	08/23/2011-04/26/2012	4	53.0	63.0000	80.0	1.30	LOWEST
		71.0	MAGNESIUM (MG) DIS	08/23/2011-04/26/2012	4	86.0	101.0000	128.0	1.53	LOWEST
		417.0	SODIUM (NA) DIS	08/23/2011-04/26/2012	4	422.0	448.2500	484.0	1.13	LOWEST
		690.0	TOTAL ALKALINITY AS CACO3	08/23/2011-04/26/2012	4	580.0	625.0000	670.0	1.68	HIGHEST
		840.0	BICARBONATE (HCO3)	08/23/2011-04/26/2012	4	710.0	752.5000	780.0	2.57	HIGHEST
		650.0	SULFATE (SO4)	08/23/2011-04/26/2012	4	750.0	900.0000	1100.0	1.58	LOWEST
		70.0	CHLORIDE (CL)	08/23/2011-04/26/2012	4	41.0	50.5000	59.0	2.20	HIGHEST
		1.19	NITRATE + NITRITE AS N	08/23/2011-04/26/2012	4	0.96	1.0350	1.14	1.95	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		0.04	ARSENIC (AS) DIS	08/23/2011-04/26/2012	4	0.03	0.0323	0.037	2.35	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		0.01	CHROMIUM (CR) DIS	08/23/2011-04/26/2012	4	0.011	0.0118	0.012	3.50	LOWEST
		<0.001	COPPER (CU) DIS	08/23/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-04/26/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-04/26/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-04/26/2012	4	<0.00005		<0.00005		HIGHEST
		0.011	MOLYBDENUM (MO) DIS	08/23/2011-04/26/2012	4	0.012	0.0125	0.013	2.60	LOWEST
		<0.01	NICKEL (NI) DIS	08/23/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-04/26/2012	4	0.2	0.2250	0.3	1.50	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
A3	09/06/2012	5.54	SODIUM ADSORPTION RATIO	08/24/2011-04/25/2012	4	5.19	5.2450	5.35	4.03	HIGHEST
		2390.0	TDS (MEASURED AT 180 C)	08/24/2011-04/25/2012	4	2460.0	2550.0000	2660.0	1.93	LOWEST
		187.0	MAGNESIUM (MG) DIS	08/24/2011-04/25/2012	4	188.0	195.7500	204.0	1.32	LOWEST
		419.0	SODIUM (NA) DIS	08/24/2011-04/25/2012	4	398.0	404.5000	409.0	3.02	HIGHEST
		20.0	POTASSIUM (K) DIS	08/24/2011-04/25/2012	4	19.0	19.7500	20.0	0.50	HIGHEST
		1500.0	SULFATE (SO4)	08/24/2011-04/25/2012	4	1400.0	1400.0000	1400.0		HIGHEST
		5.0	CHLORIDE (CL)	08/24/2011-04/25/2012	4	7.0	7.5000	8.0	4.33	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/25/2012	4	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
A4	09/06/2012	4.95	SODIUM ADSORPTION RATIO	06/22/2011-04/25/2012	4	4.64	4.7200	4.83	2.80	HIGHEST
		366.0	SODIUM (NA) DIS	06/22/2011-04/25/2012	4	343.0	349.7500	355.0	3.17	HIGHEST
		16.0	POTASSIUM (K) DIS	06/22/2011-04/25/2012	4	14.0	14.7500	15.0	2.50	HIGHEST
		1400.0	SULFATE (SO4)	06/22/2011-04/25/2012	4	1200.0	1275.0000	1300.0	2.50	HIGHEST
		5.0	CHLORIDE (CL)	06/22/2011-04/25/2012	4	7.0	7.2500	8.0	4.50	LOWEST
		0.8	FLUORIDE (F)	06/22/2011-04/25/2012	4	0.7	0.7750	0.8	0.50	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/25/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.44	BORON (B) DIS	06/22/2011-04/25/2012	4	0.42	0.4300	0.44	1.22	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-04/25/2012	4	<0.05		<0.05		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	06/22/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		1.32	MANGANESE (MN) DIS	06/22/2011-04/25/2012	4	1.26	1.2800	1.29	2.83	HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-04/25/2012	4	0.007	0.0070	0.007		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
A5	09/06/2012	2740.0	TDS (MEASURED AT 180 C)	08/25/2011-05/01/2012	4	2920.0	3245.0000	3390.0	2.31	LOWEST
		190.0	MAGNESIUM (MG) DIS	08/25/2011-05/01/2012	4	194.0	223.2500	240.0	1.56	LOWEST
		680.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/01/2012	4	620.0	644.7500	679.0	1.43	HIGHEST
		830.0	BICARBONATE (HCO3)	08/25/2011-05/01/2012	4	760.0	787.0000	828.0	1.49	HIGHEST
		9.0	CHLORIDE (CL)	08/25/2011-05/01/2012	4	12.0	12.5000	13.0	6.06	LOWEST
		0.5	FLUORIDE (F)	08/25/2011-05/01/2012	4	0.4	0.4750	0.5	0.50	HIGHEST
		<1.0	HYDROXIDE (OH)	10/18/2011-05/01/2012	3	<4.0		<4.0		LOWEST
		0.03	NITRATE + NITRITE AS N	08/25/2011-05/01/2012	4	0.04	0.2600	0.41	1.29	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/01/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		0.36	BORON (B) DIS	08/25/2011-05/01/2012	4	0.26	0.3025	0.33	1.86	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/01/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/01/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
A6	09/05/2012	4200.0	TDS (MEASURED AT 180 C)	06/22/2011-04/25/2012	4	4400.0	5317.5000	6380.0	1.37	LOWEST
		15.0	CHLORIDE (CL)	06/22/2011-04/25/2012	4	17.0	23.5000	28.0	1.68	LOWEST
		0.7	FLUORIDE (F)	06/22/2011-04/25/2012	4	0.6	0.6250	0.7	1.50	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/25/2012	4	<0.003		<0.003		HIGHEST
		0.017	BARIUM (BA) DIS	06/22/2011-04/25/2012	4	0.018	0.0205	0.024	1.32	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-04/25/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		1.04	MANGANESE (MN) DIS	06/22/2011-04/25/2012	4	1.11	1.1725	1.26	1.87	LOWEST
		0.009	MOLYBDENUM (MO) DIS	06/22/2011-04/25/2012	4	0.008	0.0088	0.009	0.50	HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
A7	09/06/2012	2700.0	TDS (MEASURED AT 180 C)	08/24/2011-04/25/2012	4	2880.0	2955.0000	3060.0	3.10	LOWEST
		20.0	POTASSIUM (K) DIS	08/24/2011-04/25/2012	4	19.0	19.5000	20.0	0.87	HIGHEST
		1700.0	SULFATE (SO4)	08/24/2011-04/25/2012	4	1600.0	1625.0000	1700.0	1.50	HIGHEST
		11.0	CHLORIDE (CL)	08/24/2011-04/25/2012	4	13.0	14.7500	16.0	2.50	LOWEST
		0.9	FLUORIDE (F)	08/24/2011-04/25/2012	4	0.8	0.8750	0.9	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/25/2012	4	0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/25/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/25/2012	4	0.005	0.0050	0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
AVF1-2	09/05/2012	7.6	PH	06/23/2011-04/23/2012	4	7.7	7.9500	8.4	1.13	LOWEST
		5.27	SODIUM ADSORPTION RATIO	06/23/2011-04/23/2012	4	5.13	5.1825	5.23	1.75	HIGHEST
		57.0	CALCIUM (CA) DIS	06/23/2011-04/23/2012	4	51.0	54.0000	56.0	1.39	HIGHEST
		245.0	SODIUM (NA) DIS	06/23/2011-04/23/2012	4	236.0	239.7500	242.0	2.00	HIGHEST
		16.0	POTASSIUM (K) DIS	06/23/2011-04/23/2012	4	14.0	15.5000	16.0	0.50	HIGHEST
		<1.0	CARBONATE AS CO3	06/23/2011-04/23/2012	4	<4.0	4.5000	6.0	3.50	LOWEST
		500.0	SULFATE (SO4)	06/23/2011-04/23/2012	4	390.0	425.0000	470.0	2.20	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-04/23/2012	4	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/23/2011-04/23/2012	4	0.009	0.0098	0.01	0.50	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
AVF2-2	09/05/2012	3060.0	SC (UMHOS/CM AT 25 C)	06/23/2011-04/26/2012	3	3120.0	3250.0000	3330.0	1.67	LOWEST
		21.0	POTASSIUM (K) DIS	06/23/2011-04/26/2012	3	20.0	20.3333	21.0	1.15	HIGHEST
		480.0	TOTAL ALKALINITY AS CACO3	06/23/2011-04/26/2012	3	490.0	493.3333	500.0	2.31	LOWEST
		1500.0	SULFATE (SO4)	06/23/2011-04/26/2012	3	1400.0	1433.3333	1500.0	1.15	HIGHEST
		6.0	CHLORIDE (CL)	06/23/2011-04/26/2012	3	8.0	8.6667	9.0	4.62	LOWEST
		0.8	FLUORIDE (F)	06/23/2011-04/26/2012	3	0.7	0.7667	0.8	0.58	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-04/26/2012	3	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-04/26/2012	3	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-04/26/2012	3	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-04/26/2012	3	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-04/26/2012	3	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-04/26/2012	3	<0.001		<0.001		HIGHEST
		4.42	IRON (FE) DIS	06/23/2011-04/26/2012	3	4.19	4.2567	4.33	2.33	HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-04/26/2012	3	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-04/26/2012	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-04/26/2012	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-04/26/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-04/26/2012	3	<0.01		<0.01		HIGHEST
AVF3-2	09/05/2012	3900.0	TDS (MEASURED AT 180 C)	06/22/2011-04/25/2012	4	3960.0	4135.0000	4220.0	1.92	LOWEST
		24.0	POTASSIUM (K) DIS	06/22/2011-04/25/2012	4	23.0	23.7500	24.0	0.50	HIGHEST
		690.0	TOTAL ALKALINITY AS CACO3	06/22/2011-04/25/2012	4	700.0	705.0000	710.0	2.60	LOWEST
		2500.0	SULFATE (SO4)	06/22/2011-04/25/2012	4	2200.0	2275.0000	2300.0	4.50	HIGHEST
		17.0	CHLORIDE (CL)	06/22/2011-04/25/2012	4	20.0	22.0000	25.0	2.31	LOWEST
		0.6	FLUORIDE (F)	06/22/2011-04/25/2012	4	0.6	0.6000	0.6		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/25/2012	4	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		1.58	MANGANESE (MN) DIS	06/22/2011-04/25/2012	4	1.63	1.6425	1.66	4.97	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
AVF5-1	09/05/2012	7.4	PH	06/23/2011-04/23/2012	4	7.5	7.8750	8.3	1.36	LOWEST
		961.0	TDS (MEASURED AT 180 C)	06/23/2011-04/23/2012	4	986.0	1011.5000	1030.0	2.68	LOWEST
		75.0	CALCIUM (CA) DIS	06/23/2011-04/23/2012	4	66.0	71.2500	75.0	0.99	HIGHEST
		13.0	POTASSIUM (K) DIS	06/23/2011-04/23/2012	4	12.0	12.7500	13.0	0.50	HIGHEST
		460.0	SULFATE (SO4)	06/23/2011-04/23/2012	4	380.0	415.0000	440.0	1.70	HIGHEST
		0.88	NITRATE + NITRITE AS N	06/23/2011-04/23/2012	4	0.57	0.6325	0.66	5.79	HIGHEST
		0.5	ALUMINUM (AL) DIS	06/23/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		0.025	BARIUM (BA) DIS	06/23/2011-04/23/2012	4	0.022	0.0233	0.025	1.17	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-04/23/2012	4	NR		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		0.22	IRON (FE) DIS	06/23/2011-04/23/2012	4	<0.05	0.0700	0.12	4.46	HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/23/2011-04/23/2012	4	0.007	0.0073	0.008	1.50	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
AVF6-3	09/05/2012	6.53	SODIUM ADSORPTION RATIO	08/24/2011-05/02/2012	4	6.14	6.3600	6.53	1.00	HIGHEST
		1940.0	TDS (MEASURED AT 180 C)	08/24/2011-05/02/2012	4	2040.0	2125.0000	2220.0	2.38	LOWEST
		21.0	POTASSIUM (K) DIS	08/24/2011-05/02/2012	4	20.0	20.5000	21.0	0.87	HIGHEST
		1200.0	SULFATE (SO4)	08/24/2011-05/02/2012	4	1000.0	1100.0000	1200.0	1.22	HIGHEST
		7.0	CHLORIDE (CL)	08/24/2011-05/02/2012	4	9.0	10.7500	13.0	2.20	LOWEST
		0.8	FLUORIDE (F)	08/24/2011-05/02/2012	4	0.7	0.7500	0.8	0.87	HIGHEST
		0.85	NITRATE + NITRITE AS N	08/24/2011-05/02/2012	4	0.88	0.9075	0.92	3.04	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.45	BORON (B) DIS	08/24/2011-05/02/2012	4	0.4	0.4325	0.45	0.79	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-05/02/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/02/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		0.004	SELENIUM (SE) DIS	08/24/2011-05/02/2012	4	0.004	0.0040	0.004		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
B1-U	09/18/2012	1.86	SODIUM ADSORPTION RATIO	06/23/2011-04/24/2012	4	1.76	1.7800	1.83	2.38	HIGHEST
		101.0	SODIUM (NA) DIS	06/23/2011-04/24/2012	4	95.0	96.7500	100.0	1.92	HIGHEST
		19.0	POTASSIUM (K) DIS	06/23/2011-04/24/2012	4	17.0	18.5000	19.0	0.50	HIGHEST
		290.0	TOTAL ALKALINITY AS CACO3	06/23/2011-04/24/2012	4	280.0	285.0000	290.0	0.87	HIGHEST
		340.0	BICARBONATE (HCO3)	06/23/2011-04/24/2012	4	350.0	352.5000	360.0	2.50	LOWEST
		4.0	CARBONATE AS CO3	06/23/2011-04/24/2012	4	<1.0		<4.0		HIGHEST
		520.0	SULFATE (SO4)	06/23/2011-04/24/2012	4	500.0	510.0000	520.0	1.22	HIGHEST
		3.2	FLUORIDE (F)	06/23/2011-04/24/2012	4	1.2	1.2750	1.3	> 10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-04/24/2012	4	0.09	0.1850	0.25	2.52	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-04/24/2012	4	0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		1.11	BORON (B) DIS	06/23/2011-04/24/2012	4	1.16	1.2200	1.36	1.17	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-04/24/2012	4	<0.00005		<0.00005		HIGHEST
		0.017	MOLYBDENUM (MO) DIS	06/23/2011-04/24/2012	4	0.018	0.0183	0.019	2.50	LOWEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NICKEL (NI) DIS	06/23/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
B2-K	09/06/2012	51.5	SODIUM ADSORPTION RATIO	06/29/2011-05/02/2012	4	52.1	54.7000	58.6	1.15	LOWEST
		3200.0	TDS (MEASURED AT 180 C)	06/29/2011-05/02/2012	4	3210.0	3302.5000	3380.0	1.47	LOWEST
		24.0	CALCIUM (CA) DIS	06/29/2011-05/02/2012	4	21.0	21.7500	23.0	2.35	HIGHEST
		1120.0	SODIUM (NA) DIS	06/29/2011-05/02/2012	4	1130.0	1185.0000	1250.0	1.32	LOWEST
		44.0	CARBONATE AS CO3	06/29/2011-05/02/2012	4	<4.0	20.5000	31.0	1.97	HIGHEST
		1500.0	SULFATE (SO4)	06/29/2011-05/02/2012	4	1200.0	1340.0000	1460.0	1.40	HIGHEST
		11.0	CHLORIDE (CL)	06/29/2011-05/02/2012	4	12.0	13.7500	15.0	2.19	LOWEST
		1.1	FLUORIDE (F)	06/29/2011-05/02/2012	4	0.9	1.0000	1.1	1.22	HIGHEST
		<1.0	HYDROXIDE (OH)	06/29/2011-05/02/2012	4	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/29/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		0.015	BARIUM (BA) DIS	06/29/2011-05/02/2012	4	0.017	0.0198	0.023	1.90	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.25	IRON (FE) DIS	06/29/2011-05/02/2012	4	0.17	0.2075	0.25	1.21	HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		0.042	MANGANESE (MN) DIS	06/29/2011-05/02/2012	4	0.051	0.0638	0.082	1.62	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
B2-U	09/06/2012	2.0	CALCIUM (CA) DIS	06/29/2011-05/02/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-05/02/2012	4	<1.0		<1.0		HIGHEST
		690.0	BICARBONATE (HCO3)	06/29/2011-05/02/2012	4	695.0	706.2500	720.0	1.47	LOWEST
		35.0	CARBONATE AS CO3	06/29/2011-05/02/2012	4	28.0	31.0000	35.0	1.26	HIGHEST
		32.0	CHLORIDE (CL)	06/29/2011-05/02/2012	4	33.0	33.2500	34.0	2.50	LOWEST
		<1.0	HYDROXIDE (OH)	06/29/2011-01/11/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-05/02/2012	4	<0.1		0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/29/2011-05/02/2012	4	0.008	0.0095	0.011	5.03	LOWEST
		0.061	BARIUM (BA) DIS	06/29/2011-05/02/2012	4	0.045	0.0540	0.059	1.13	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/29/2011-05/02/2012	4	0.12	0.1325	0.14	0.78	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.05	IRON (FE) DIS	06/29/2011-05/02/2012	4	0.06	0.0725	0.09	1.50	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
B3-K	09/17/2012	25.2	SODIUM ADSORPTION RATIO	08/24/2011-04/23/2012	4	22	22.9500	23.7	3.15	HIGHEST
		6900.0	SC (UMHOS/CM AT 25 C)	08/24/2011-04/23/2012	4	5500.0	6192.5000	6820.0	1.02	HIGHEST
		5630.0	TDS (MEASURED AT 180 C)	08/24/2011-04/23/2012	4	5080.0	5267.5000	5500.0	2.08	HIGHEST
		142.0	CALCIUM (CA) DIS	08/24/2011-04/23/2012	4	152.0	164.7500	186.0	1.53	LOWEST
		67.0	MAGNESIUM (MG) DIS	08/24/2011-04/23/2012	4	70.0	70.7500	72.0	3.92	LOWEST
		1460.0	SODIUM (NA) DIS	08/24/2011-04/23/2012	4	1350.0	1402.5000	1450.0	1.40	HIGHEST
		3000.0	SULFATE (SO4)	08/24/2011-04/23/2012	4	2800.0	2850.0000	3000.0	1.50	HIGHEST
		34.0	CHLORIDE (CL)	08/24/2011-04/23/2012	4	39.0	42.7500	49.0	2.01	LOWEST
		0.2	FLUORIDE (F)	08/24/2011-04/23/2012	4	0.2	0.2000	0.2		HIGHEST

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Generated from s:\statout\\rpOTTCRK.011

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		0.015	BARIUM (BA) DIS	08/24/2011-04/23/2012	4	0.017	0.0208	0.026	1.28	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		0.123	MANGANESE (MN) DIS	08/24/2011-04/23/2012	4	0.131	0.1663	0.193	1.37	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/23/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/23/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		0.08	ZINC (ZN) DIS	08/24/2011-04/23/2012	4	0.01	0.0125	0.02	> 10	HIGHEST
B3-U	09/17/2012	44.1	SODIUM ADSORPTION RATIO	08/24/2011-04/23/2012	4	38.2	39.9750	41.1	3.31	HIGHEST
		1210.0	SC (UMHOS/CM AT 25 C)	08/24/2011-04/23/2012	4	1080.0	1140.0000	1200.0	1.19	HIGHEST
		2.0	CALCIUM (CA) DIS	08/24/2011-04/23/2012	4	3.0	3.0000	3.0		LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-04/23/2012	4	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-04/23/2012	4	1.0	1.0000	1.0		HIGHEST
		<1.0	SULFATE (SO4)	08/24/2011-04/23/2012	4	2.0	8.0000	21.0	0.79	LOWEST
		12.0	CHLORIDE (CL)	08/24/2011-04/23/2012	4	13.0	13.7500	14.0	3.50	LOWEST
		2.0	FLUORIDE (F)	08/24/2011-04/23/2012	4	1.9	1.9750	2.0	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/23/2012	4	0.1	0.1250	0.2	0.50	LOWEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		0.067	BARIUM (BA) DIS	08/24/2011-04/23/2012	4	0.054	0.0573	0.06	3.90	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/24/2011-04/23/2012	4	0.15	0.1550	0.16	2.60	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-04/23/2012	4	0.05	0.1225	0.27	0.73	LOWEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.017	MANGANESE (MN) DIS	08/24/2011-04/23/2012	4	0.02	0.0288	0.042	1.20	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/23/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/23/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
B3-U	09/17/2012	44.6	SODIUM ADSORPTION RATIO	08/24/2011-04/23/2012	4	38.2	39.9750	41.1	3.72	HIGHEST
		1210.0	SC (UMHOS/CM AT 25 C)	08/24/2011-04/23/2012	4	1080.0	1140.0000	1200.0	1.19	HIGHEST
		2.0	CALCIUM (CA) DIS	08/24/2011-04/23/2012	4	3.0	3.0000	3.0		LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-04/23/2012	4	<1.0		<1.0		HIGHEST
		299.0	SODIUM (NA) DIS	08/24/2011-04/23/2012	4	282.0	290.0000	299.0	1.27	HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-04/23/2012	4	1.0	1.0000	1.0		HIGHEST
		36.0	CARBONATE AS CO3	08/24/2011-04/23/2012	4	<4.0	25.2500	36.0	0.75	HIGHEST
		<1.0	SULFATE (SO4)	08/24/2011-04/23/2012	4	2.0	8.0000	21.0	0.79	LOWEST
		12.0	CHLORIDE (CL)	08/24/2011-04/23/2012	4	13.0	13.7500	14.0	3.50	LOWEST
		2.0	FLUORIDE (F)	08/24/2011-04/23/2012	4	1.9	1.9750	2.0	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/23/2012	4	0.1	0.1250	0.2	0.50	LOWEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		0.067	BARIUM (BA) DIS	08/24/2011-04/23/2012	4	0.054	0.0573	0.06	3.90	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/24/2011-04/23/2012	4	0.15	0.1550	0.16	2.60	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-04/23/2012	4	0.05	0.1225	0.27	0.73	LOWEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.019	MANGANESE (MN) DIS	08/24/2011-04/23/2012	4	0.02	0.0288	0.042	1.00	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/23/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/23/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
B4-K	08/28/2012	37.0	MAGNESIUM (MG) DIS	08/24/2011-04/23/2012	4	39.0	48.5000	69.0	0.82	LOWEST
		8.0	POTASSIUM (K) DIS	08/24/2011-04/23/2012	4	7.0	7.7500	8.0	0.50	HIGHEST
		780.0	TOTAL ALKALINITY AS CACO3	08/24/2011-04/23/2012	4	720.0	760.0000	780.0	0.74	HIGHEST
		950.0	BICARBONATE (HCO3)	08/24/2011-04/23/2012	4	880.0	915.0000	950.0	1.00	HIGHEST
		0.4	FLUORIDE (F)	08/24/2011-04/23/2012	4	0.4	0.4000	0.4		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/23/2012	4	<0.003		<0.003		HIGHEST
		0.009	BARIUM (BA) DIS	08/24/2011-04/23/2012	4	0.011	0.0133	0.016	1.92	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.067	MANGANESE (MN) DIS	08/24/2011-04/23/2012	4	0.082	0.1058	0.128	1.96	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/23/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-04/23/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	08/24/2011-04/23/2012	4	<0.01		<0.01		HIGHEST
B4-O	08/29/2012	1100.0	TOTAL ALKALINITY AS CACO3	08/24/2011-04/23/2012	4	1000.0	1075.0000	1100.0	0.50	HIGHEST
		1400.0	BICARBONATE (HCO3)	08/24/2011-04/23/2012	4	1300.0	1350.0000	1400.0	0.87	HIGHEST
		1800.0	SULFATE (SO4)	08/24/2011-04/23/2012	4	1700.0	1725.0000	1800.0	1.50	HIGHEST
		0.02	NITRATE + NITRITE AS N	08/24/2011-04/23/2012	4	0.01	0.0100	<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
		0.014	BARIUM (BA) DIS	08/24/2011-04/23/2012	4	0.023	0.0413	0.088	0.87	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/23/2012	4	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/23/2012	4	0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/23/2012	4	<0.0005		<0.0005		HIGHEST
		0.059	MANGANESE (MN) DIS	08/24/2011-04/23/2012	4	0.19	0.4070	0.819	1.18	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/23/2012	4	<0.00005		<0.00005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/23/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/23/2012	4	<0.1		<0.1		HIGHEST
B4-U	08/29/2012	44.9	SODIUM ADSORPTION RATIO	08/25/2011-04/24/2012	4	39.9	42.7500	44.0	1.12	HIGHEST
		710.0	TOTAL ALKALINITY AS CACO3	08/25/2011-04/24/2012	4	670.0	685.0000	700.0	1.94	HIGHEST
		870.0	BICARBONATE (HCO3)	08/25/2011-04/24/2012	4	760.0	797.5000	860.0	1.67	HIGHEST
		<1.0	CARBONATE AS CO3	08/25/2011-04/24/2012	4	<4.0	21.5000	32.0	1.66	LOWEST
		17.0	CHLORIDE (CL)	08/25/2011-04/24/2012	4	18.0	18.5000	19.0	2.60	LOWEST
		1.0	FLUORIDE (F)	08/25/2011-04/24/2012	4	1.1	1.1500	1.2	2.60	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		0.014	BARIUM (BA) DIS	08/25/2011-04/24/2012	4	0.015	0.0203	0.023	1.66	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.004	COPPER (CU) DIS	08/25/2011-04/24/2012	4	0.001	0.0015	0.003	2.50	HIGHEST
		<0.05	IRON (FE) DIS	08/25/2011-04/24/2012	4	0.05	0.1350	0.23	1.05	LOWEST
		0.0006	LEAD (PB) DIS	08/25/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		0.015	MANGANESE (MN) DIS	08/25/2011-04/24/2012	4	0.019	0.0360	0.055	1.33	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-04/24/2012	4	<0.00005		<0.00005		HIGHEST

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		<0.01	NICKEL (NI) DIS	08/25/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		0.06	ZINC (ZN) DIS	08/25/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
B5-K	08/28/2012	1350.0	SC (UMHOS/CM AT 25 C)	06/23/2011-05/01/2012	4	1200.0	1252.5000	1310.0	1.75	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-05/01/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-05/01/2012	4	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-05/01/2012	4	2.0	2.0000	2.0		HIGHEST
		760.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/01/2012	4	700.0	725.0000	760.0	1.32	HIGHEST
		880.0	BICARBONATE (HCO3)	06/23/2011-05/01/2012	4	820.0	830.0000	860.0	2.50	HIGHEST
		<2.0	SULFATE (SO4)	06/23/2011-05/01/2012	4	<1.0		<2.0		HIGHEST
		11.0	CHLORIDE (CL)	06/23/2011-05/01/2012	4	12.0	15.0000	19.0	1.36	LOWEST
		1.8	FLUORIDE (F)	06/23/2011-05/01/2012	4	2.0	2.0000	2.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/01/2012	4	<0.003		<0.003		HIGHEST
		0.08	BARIUM (BA) DIS	06/23/2011-05/01/2012	4	0.072	0.0748	0.079	1.76	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-05/01/2012	4	0.001	0.0013	0.002	0.50	LOWEST
		<0.001	COPPER (CU) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		0.08	IRON (FE) DIS	06/23/2011-05/01/2012	4	0.1	0.1500	0.19	1.87	LOWEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/01/2012	4	<0.0005		<0.0005		HIGHEST
		0.015	MANGANESE (MN) DIS	06/23/2011-05/01/2012	4	0.019	0.0198	0.021	4.96	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-05/01/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
B5-O	09/18/2012	2490.0	SC (UMHOS/CM AT 25 C)	06/23/2011-05/03/2012	4	2100.0	2275.0000	2400.0	1.52	HIGHEST
		1510.0	TDS (MEASURED AT 180 C)	06/23/2011-05/03/2012	4	1560.0	1785.0000	2030.0	1.43	LOWEST
		3.0	MAGNESIUM (MG) DIS	06/23/2011-05/03/2012	4	2.0	2.5000	3.0	0.87	HIGHEST
		581.0	SODIUM (NA) DIS	06/23/2011-05/03/2012	4	522.0	535.7500	566.0	2.23	HIGHEST
		1100.0	BICARBONATE (HCO3)	06/23/2011-05/03/2012	4	930.0	987.5000	1100.0	1.44	HIGHEST
		25.0	CARBONATE AS CO3	06/23/2011-05/03/2012	4	10.0	14.7500	18.0	2.85	HIGHEST
		4.1	FLUORIDE (F)	06/23/2011-05/03/2012	4	4.0	4.0000	4.0		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		0.041	BARIUM (BA) DIS	06/23/2011-05/03/2012	4	0.032	0.0343	0.040	1.75	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		0.034	COPPER (CU) DIS	06/23/2011-05/03/2012	4	0.001	0.0010	<0.001		HIGHEST
		0.07	IRON (FE) DIS	06/23/2011-05/03/2012	4	0.21	0.2450	0.28	6.06	LOWEST
		0.0007	LEAD (PB) DIS	06/23/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.05	ZINC (ZN) DIS	06/23/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
B5-U	08/29/2012	607.0	TDS (MEASURED AT 180 C)	06/23/2011-05/01/2012	4	608.0	632.5000	650.0	1.44	LOWEST
		2.0	CALCIUM (CA) DIS	06/23/2011-05/01/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-05/01/2012	4	<1.0		<1.0		HIGHEST
		254.0	SODIUM (NA) DIS	06/23/2011-05/01/2012	4	257.0	259.5000	263.0	1.83	LOWEST
		1.0	POTASSIUM (K) DIS	06/23/2011-05/01/2012	4	1.0	1.0000	1.0		HIGHEST
		640.0	BICARBONATE (HCO3)	06/23/2011-05/01/2012	4	620.0	627.5000	630.0	2.50	HIGHEST
		2.1	FLUORIDE (F)	06/23/2011-05/01/2012	4	2.0	2.0000	2.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/01/2012	4	<0.003		<0.003		HIGHEST
		0.068	BARIUM (BA) DIS	06/23/2011-05/01/2012	4	0.07	0.0723	0.076	1.62	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

Generated from s:\statout\\rpOTTCRK.011

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-05/01/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/01/2012	4	<0.0005		<0.0005		HIGHEST
		0.008	MANGANESE (MN) DIS	06/23/2011-05/01/2012	4	0.007	0.0073	0.008	1.50	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-05/01/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
B6-K	08/28/2012	1500.0	SC (UMHOS/CM AT 25 C)	08/25/2011-05/01/2012	4	1340.0	1392.5000	1450.0	1.77	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-05/01/2012	4	1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-05/01/2012	4	2.0	2.0000	2.0		HIGHEST
		860.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/01/2012	4	850.0	850.0000	850.0		HIGHEST
		1000.0	BICARBONATE (HCO3)	08/25/2011-05/01/2012	4	970.0	975.7500	990.0	2.52	HIGHEST
		<1.0	HYDROXIDE (OH)	10/25/2011-05/01/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/01/2012	4	<0.003		<0.003		HIGHEST
		0.096	BARIUM (BA) DIS	08/25/2011-05/01/2012	4	0.097	0.1020	0.111	0.94	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/25/2011-05/01/2012	4	0.11	0.1325	0.14	0.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/01/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/01/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
B6-O	08/28/2012	1190.0	SODIUM (NA) DIS	08/25/2011-05/01/2012	4	1220.0	1265.0000	1380.0	0.98	LOWEST
		1300.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/01/2012	4	1290.0	1297.5000	1300.0	0.50	HIGHEST
		16.0	CHLORIDE (CL)	08/25/2011-05/01/2012	4	13.0	14.0000	15.0	1.73	HIGHEST
		<1.0	HYDROXIDE (OH)	10/20/2011-05/01/2012	3	<4.0		<4.0		LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/01/2012	4	0.1	0.2500	0.4	1.16	LOWEST
		0.016	BARIUM (BA) DIS	08/25/2011-05/01/2012	4	0.021	0.0268	0.038	1.40	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/01/2012	4	0.002	0.0020	0.002		LOWEST
		<0.05	IRON (FE) DIS	08/25/2011-05/01/2012	4	0.12	0.1750	0.22	2.97	LOWEST
		0.107	MANGANESE (MN) DIS	08/25/2011-05/01/2012	4	0.154	0.1728	0.195	3.08	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
B6-U	08/29/2012	41.9	SODIUM ADSORPTION RATIO	08/25/2011-05/01/2012	4	43.5	44.0750	44.9	3.13	LOWEST
		977.0	SC (UMHOS/CM AT 25 C)	08/25/2011-05/01/2012	4	864.0	922.5000	968.0	1.10	HIGHEST
		531.0	TDS (MEASURED AT 180 C)	08/25/2011-05/01/2012	4	577.0	611.2500	654.0	2.48	LOWEST
		2.0	CALCIUM (CA) DIS	08/25/2011-05/01/2012	4	1.0	1.5000	2.0	0.87	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-05/01/2012	4	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-05/01/2012	4	<1.0	1.0000	1.0		HIGHEST
		540.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/01/2012	4	517.0	531.7500	540.0	0.76	HIGHEST
		<1.0	SULFATE (SO4)	08/25/2011-05/01/2012	4	<1.0		<1.0		HIGHEST
		<1.0	HYDROXIDE (OH)	10/20/2011-05/01/2012	3	<4.0		<4.0		LOWEST

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NITRATE + NITRITE AS N	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/01/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/25/2011-05/01/2012	4	0.11	0.1225	0.13	0.78	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/01/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/01/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/01/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/01/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-05/01/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/01/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/01/2012	4	<0.01		<0.01		HIGHEST
B7-KL	09/18/2012	1580.0	SC (UMHOS/CM AT 25 C)	06/21/2011-04/26/2012	4	999.0	1392.2500	1580.0	0.70	HIGHEST
		893.0	TDS (MEASURED AT 180 C)	06/21/2011-04/26/2012	4	976.0	1007.0000	1070.0	2.64	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/21/2011-04/26/2012	4	<1.0		<1		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-04/26/2012	4	2.0	2.0000	2		HIGHEST
		370.0	BICARBONATE (HCO3)	06/21/2011-04/26/2012	4	375.0	388.7500	410.0	1.21	LOWEST
		20.0	CARBONATE AS CO3	06/21/2011-04/26/2012	4	5.0	13.0000	20.0	1.12	HIGHEST
		1.0	FLUORIDE (F)	06/21/2011-04/26/2012	4	0.9	0.9750	1.0	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-04/26/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/21/2011-04/26/2012	4	0.09	0.0950	0.10	0.87	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-04/26/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-04/26/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
B7-KU	09/18/2012	1110.0	TDS (MEASURED AT 180 C)	06/21/2011-04/26/2012	4	1160.0	1572.5000	2550.0	0.70	LOWEST
		4.0	CALCIUM (CA) DIS	06/21/2011-04/26/2012	4	5.0	8.5000	17	0.78	LOWEST
		900.0	TOTAL ALKALINITY AS CACO3	06/21/2011-04/26/2012	4	840.0	882.7500	900.0	0.60	HIGHEST
		44.0	CARBONATE AS CO3	06/21/2011-04/26/2012	4	27.0	30.7500	41.0	1.93	HIGHEST
		110.0	SULFATE (SO4)	06/21/2011-04/26/2012	4	130.0	381.7500	1000.0	0.66	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/21/2011-04/26/2012	4	0.1	0.5000	1.0	1.07	LOWEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-04/26/2012	4	<0.003		<0.003		HIGHEST
		0.051	BARIUM (BA) DIS	06/21/2011-04/26/2012	4	0.024	0.0368	0.044	1.62	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/21/2011-04/26/2012	4	0.05	0.1400	0.21	1.35	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-04/26/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
B7-O	09/18/2012	5060.0	SC (UMHOS/CM AT 25 C)	06/21/2011-04/26/2012	4	4500.0	4712.5000	4970.0	1.46	HIGHEST
		2890.0	TDS (MEASURED AT 180 C)	06/21/2011-04/26/2012	4	3360.0	3465.0000	3570.0	6.52	LOWEST
		10.0	MAGNESIUM (MG) DIS	06/21/2011-04/26/2012	4	10.0	10.0000	10.0		HIGHEST
		1000.0	BICARBONATE (HCO3)	06/21/2011-04/26/2012	4	1050.0	1087.5000	1100.0	3.50	LOWEST
		32.0	CARBONATE AS CO3	06/21/2011-04/26/2012	4	9.0	16.2500	29.0	1.75	HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		9.0	CHLORIDE (CL)	06/21/2011-04/26/2012	4	10.0	11.2500	12.0	2.35	LOWEST
		5.2	FLUORIDE (F)	06/21/2011-04/26/2012	4	0.9	1.0250	1.1	> 10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/21/2011-04/26/2012	4	0.2	0.3000	0.4	2.45	LOWEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-04/26/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		0.17	BORON (B) DIS	06/21/2011-04/26/2012	4	0.15	0.1600	0.17	1.22	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		0.05	IRON (FE) DIS	06/21/2011-04/26/2012	4	0.12	0.1350	0.16	4.91	LOWEST
		<0.0005	LEAD (PB) DIS	06/21/2011-04/26/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-04/26/2012	4	0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-04/26/2012	4	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	06/21/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
B7-U	09/18/2012	971.0	SC (UMHOS/CM AT 25 C)	06/21/2011-04/27/2012	4	999.0	1902.2500	4290.0	0.58	LOWEST
		545.0	TDS (MEASURED AT 180 C)	06/21/2011-04/27/2012	4	612.0	1316.0000	3130.0	0.63	LOWEST
		1.0	CALCIUM (CA) DIS	06/21/2011-04/27/2012	4	2.0	6.7500	20	0.65	LOWEST
		233.0	SODIUM (NA) DIS	06/21/2011-04/27/2012	4	247.0	472.2500	1050.0	0.62	LOWEST
		510.0	TOTAL ALKALINITY AS CACO3	06/21/2011-04/27/2012	4	520.0	614.5000	840.0	0.69	LOWEST
		550.0	BICARBONATE (HCO3)	06/21/2011-04/27/2012	4	570.0	705.7500	980.0	0.82	LOWEST
		35.0	CARBONATE AS CO3	06/21/2011-04/27/2012	4	<4.0	22.2500	34.0	0.96	HIGHEST
		9.0	SULFATE (SO4)	06/21/2011-04/27/2012	4	26.0	412.0000	1400.0	0.61	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-04/27/2012	4	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-04/27/2012	4	0.003	0.0040	0.007	0.50	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-04/27/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-04/27/2012	4	<0.00008		<0.00008		HIGHEST
		0.001	COPPER (CU) DIS	06/21/2011-04/27/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/21/2011-04/27/2012	4	0.06	0.1475	0.27	1.04	LOWEST
		<0.0005	LEAD (PB) DIS	06/21/2011-04/27/2012	4	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-04/27/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-04/27/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-04/27/2012	4	<0.01		<0.01		HIGHEST
B8-KL	09/05/2012	<1.0	HYDROXIDE (OH)	10/18/2011-04/25/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-04/25/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-04/25/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-04/25/2012	4	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
B8-KU	09/05/2012	2340.0	TDS (MEASURED AT 180 C)	08/23/2011-04/25/2012	4	2460.0	2550.0000	2590.0	3.47	LOWEST
		180.0	CALCIUM (CA) DIS	08/23/2011-04/25/2012	4	151.0	161.7500	169.0	2.16	HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	08/23/2011-04/25/2012	4	603.0	618.2500	650.0	0.85	LOWEST
		7.0	CHLORIDE (CL)	08/23/2011-04/25/2012	4	8.0	9.0000	10.0	2.45	LOWEST
		<1.0	HYDROXIDE (OH)	10/18/2011-04/25/2012	3	<4.0		<4.0		LOWEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-04/25/2012	4	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.41	BORON (B) DIS	08/23/2011-04/25/2012	4	0.35	0.3725	0.38	2.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		1.34	IRON (FE) DIS	08/23/2011-04/25/2012	4	1.11	1.2200	1.32	1.28	HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		0.081	MANGANESE (MN) DIS	08/23/2011-04/25/2012	4	0.085	0.0953	0.111	1.28	LOWEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-04/25/2012	4	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
B8-O	09/05/2012	3.52	SODIUM ADSORPTION RATIO	08/23/2011-04/25/2012	4	3.56	3.7925	3.94	1.65	LOWEST
		1660.0	TDS (MEASURED AT 180 C)	08/23/2011-04/25/2012	4	1670.0	1787.5000	2030.0	0.77	LOWEST
		420.0	TOTAL ALKALINITY AS CACO3	08/23/2011-04/25/2012	4	438.0	444.5000	460.0	2.36	LOWEST
		510.0	BICARBONATE (HCO3)	08/23/2011-04/25/2012	4	530.0	543.5000	570.0	1.85	LOWEST
		<1.0	HYDROXIDE (OH)	10/18/2011-04/25/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-04/25/2012	4	0.01	0.1125	0.4	0.53	LOWEST
		0.1	ALUMINUM (AL) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		0.006	ARSENIC (AS) DIS	08/23/2011-04/25/2012	4	0.008	0.0100	0.011	2.83	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.28	BORON (B) DIS	08/23/2011-04/25/2012	4	0.26	0.2675	0.27	2.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.17	IRON (FE) DIS	08/23/2011-04/25/2012	4	<0.05		0.06		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-04/25/2012	4	0.01	0.0150	0.03	0.50	LOWEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-04/25/2012	4	0.001	0.0013	0.002	0.50	LOWEST
		<0.1	VANADIUM (V) DIS	08/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
B8-U	09/05/2012	661.0	TDS (MEASURED AT 180 C)	08/24/2011-04/26/2012	4	672.0	704.0000	754.0	1.20	LOWEST
		640.0	BICARBONATE (HCO3)	08/24/2011-04/26/2012	4	648.0	664.5000	700.0	1.01	LOWEST
		42.0	CARBONATE AS CO3	08/24/2011-04/26/2012	4	23.0	31.0000	42.0	1.38	HIGHEST
		<1.0	SULFATE (SO4)	08/24/2011-04/26/2012	4	<2.0	15.0000	54.0	0.54	LOWEST
		40.0	CHLORIDE (CL)	08/24/2011-04/26/2012	4	37.0	38.7500	40.0	0.83	HIGHEST
		<1.0	HYDROXIDE (OH)	10/19/2011-04/26/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/26/2012	4	<0.001		0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-04/26/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-04/26/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/26/2012	4	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
B9-K	09/05/2012	941.0	TDS (MEASURED AT 180 C)	08/23/2011-04/24/2012	4	962.0	993.0000	1030.0	1.85	LOWEST
		3.0	CALCIUM (CA) DIS	08/23/2011-04/24/2012	4	2.0	2.2500	3.0	1.50	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/23/2011-04/24/2012	4	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-04/24/2012	4	2.0	2.0000	2.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-04/24/2012	4	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	ALUMINUM (AL) DIS	08/23/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-04/24/2012	4	<0.003		<0.003		HIGHEST
		0.095	BARIUM (BA) DIS	08/23/2011-04/24/2012	4	0.087	0.0903	0.094	1.59	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/23/2011-04/24/2012	4	0.12	0.1275	0.13	0.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.16	IRON (FE) DIS	08/23/2011-04/24/2012	4	0.05	0.0700	0.09	3.90	HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-04/24/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-04/24/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
B9-U	09/05/2012	35.1	SODIUM ADSORPTION RATIO	08/24/2011-04/24/2012	4	38.2	40.2500	42.4	2.92	LOWEST
		3.0	CALCIUM (CA) DIS	08/24/2011-04/24/2012	4	2.0	2.2500	3.0	1.50	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-04/24/2012	4	<1.0		<1.0		HIGHEST
		268.0	SODIUM (NA) DIS	08/24/2011-04/24/2012	4	244.0	249.5000	258.0	2.72	HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-04/24/2012	4	1.0	1.0000	1.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		1.5	ALUMINUM (AL) DIS	08/24/2011-04/24/2012	4	0.2	0.4250	0.7	4.85	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-04/24/2012	4	<0.003		<0.003		HIGHEST
		0.063	BARIUM (BA) DIS	08/24/2011-04/24/2012	4	0.035	0.0398	0.044	4.72	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	08/24/2011-04/24/2012	4	0.11	0.1150	0.12	0.87	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-04/24/2012	4	0.001	0.0015	0.003	0.50	LOWEST
		0.6	IRON (FE) DIS	08/24/2011-04/24/2012	4	0.07	0.2350	0.5	1.94	HIGHEST
		0.0014	LEAD (PB) DIS	08/24/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-04/24/2012	4	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
B10-KL	09/18/2012	1500.0	SC (UMHOS/CM AT 25 C)	06/22/2011-04/27/2012	4	1390.0	1460.0000	1500.0	0.81	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-04/27/2012	4	<1.0		1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-04/27/2012	4	2.0	2.0000	2.0		HIGHEST
		900.0	BICARBONATE (HCO3)	06/22/2011-04/27/2012	4	910.0	915.0000	930.0	1.50	LOWEST
		<1.0	SULFATE (SO4)	06/22/2011-04/27/2012	4	2.0	9.7500	27.0	0.75	LOWEST
		13.0	CHLORIDE (CL)	06/22/2011-04/27/2012	4	23.0	27.0000	29.0	4.95	LOWEST
		2.9	FLUORIDE (F)	06/22/2011-04/27/2012	4	3.0	3.0000	3.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/27/2012	4	<0.01		0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/27/2012	4	0.2	0.6750	1.7	0.83	LOWEST
		0.126	BARIUM (BA) DIS	06/22/2011-04/27/2012	4	0.097	0.1100	0.124	1.44	HIGHEST
		0.09	BORON (B) DIS	06/22/2011-04/27/2012	4	0.1	0.1075	0.11	3.50	LOWEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/27/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/27/2012	4	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) DIS	06/22/2011-04/27/2012	4	0.1	0.3275	0.85	0.73	LOWEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/27/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/27/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/27/2012	4	<0.01		<0.01		HIGHEST
B10-KU	09/18/2012	25.1	SODIUM ADSORPTION RATIO	03/10/2011-04/27/2012	5	23.4	23.8600	24.2	4.18	HIGHEST
		5240.0	SC (UMHOS/CM AT 25 C)	03/10/2011-04/27/2012	5	4600.0	4962.0000	5180	1.05	HIGHEST
		1150.0	SODIUM (NA) DIS	03/10/2011-04/27/2012	5	1080.0	1106.0000	1140.0	1.69	HIGHEST
		14.0	POTASSIUM (K) DIS	03/10/2011-04/27/2012	5	12.0	12.7400	13.0	2.91	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1200.0	TOTAL ALKALINITY AS CACO3	03/10/2011-04/27/2012	5	1180	1196.0000	1200.0	0.45	HIGHEST
		14.0	CARBONATE AS CO3	03/10/2011-04/27/2012	5	<1.0		<5.0		HIGHEST
		7.0	CHLORIDE (CL)	03/10/2011-04/27/2012	5	8.0	18.0000	<50	0.61	LOWEST
		4.4	ALUMINUM (AL) DIS	03/10/2011-04/27/2012	5	<0.1		0.16		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-04/27/2012	5	<0.003		<0.003		HIGHEST
		0.056	BARIUM (BA) DIS	03/10/2011-04/27/2012	5	0.014	0.0158	0.022	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/27/2012	5	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-04/27/2012	5	<0.00008		<0.00008		HIGHEST
		0.001	CHROMIUM (CR) DIS	03/10/2011-04/27/2012	5	<0.001		0.0010		HIGHEST
		0.011	COPPER (CU) DIS	03/10/2011-04/27/2012	5	<0.001	0.0045	0.009	1.71	HIGHEST
		2.79	IRON (FE) DIS	03/10/2011-04/27/2012	5	0.49	0.5860	0.66	> 10	HIGHEST
		0.0032	LEAD (PB) DIS	03/10/2011-04/27/2012	5	<0.0005		0.0009		HIGHEST
		0.066	MANGANESE (MN) DIS	03/10/2011-04/27/2012	5	0.04	0.0480	0.063	2.04	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-04/27/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-04/27/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-04/27/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-04/27/2012	5	<0.1		<0.10		HIGHEST
		0.04	ZINC (ZN) DIS	03/10/2011-04/27/2012	5	<0.01		0.01		HIGHEST
B10-O	09/18/2012	5.8	PH	06/22/2011-04/27/2012	4	5.9	6.1000	6.3	1.84	LOWEST
		3430.0	SC (UMHOS/CM AT 25 C)	06/22/2011-04/27/2012	4	2970.0	3165.0000	3370.0	1.27	HIGHEST
		9.0	POTASSIUM (K) DIS	06/22/2011-04/27/2012	4	6.0	6.7500	7.0	4.50	HIGHEST
		1200.0	SULFATE (SO4)	06/22/2011-04/27/2012	4	1200.0	1200.0000	1200.0		HIGHEST
		13.9	ALUMINUM (AL) DIS	06/22/2011-04/27/2012	4	3.8	5.2750	6.7	7.02	HIGHEST
		0.207	ARSENIC (AS) DIS	06/22/2011-04/27/2012	4	0.02	0.1465	0.193	0.72	HIGHEST
		0.113	BARIUM (BA) DIS	06/22/2011-04/27/2012	4	0.009	0.0708	0.109	0.98	HIGHEST
		0.003	BERYLLIUM (BE) DIS	06/22/2011-04/27/2012	4	<0.001	0.0015	0.002	2.60	HIGHEST
		0.39	BORON (B) DIS	06/22/2011-04/27/2012	4	0.03	0.2725	0.37	0.72	HIGHEST
		0.042	CHROMIUM (CR) DIS	06/22/2011-04/27/2012	4	0.002	0.0105	0.019	4.53	HIGHEST
		0.019	COPPER (CU) DIS	06/22/2011-04/27/2012	4	0.002	0.0083	0.017	1.52	HIGHEST
		55.8	IRON (FE) DIS	06/22/2011-04/27/2012	4	31.7	33.4250	35.2	> 10	HIGHEST
		0.0326	LEAD (PB) DIS	06/22/2011-04/27/2012	4	0.0016	0.0128	0.0187	2.50	HIGHEST
		0.249	MANGANESE (MN) DIS	06/22/2011-04/27/2012	4	0.012	0.1003	0.161	2.36	HIGHEST
		0.00011	MERCURY (HG) DIS	06/22/2011-04/27/2012	4	0.00013	0.0002	0.0003	1.06	LOWEST
		0.029	MOLYBDENUM (MO) DIS	06/22/2011-04/27/2012	4	<0.005	0.0140	0.024	1.91	HIGHEST
		0.06	NICKEL (NI) DIS	06/22/2011-04/27/2012	4	<0.01	0.0275	<0.04	2.58	HIGHEST
		0.008	SELENIUM (SE) DIS	06/22/2011-04/27/2012	4	<0.001	0.0023	0.004	3.83	HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/27/2012	4	<0.1		<0.1		HIGHEST
		0.11	ZINC (ZN) DIS	06/22/2011-04/27/2012	4	<0.01	0.0475	0.07	2.38	HIGHEST
B10-U	09/18/2012	8.3	PH	03/10/2011-04/27/2012	5	8.5	8.5400	8.6	4.38	LOWEST
		1430.0	SC (UMHOS/CM AT 25 C)	03/10/2011-04/27/2012	5	1280.0	1354.0000	1410.0	1.44	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	03/10/2011-04/27/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	03/10/2011-04/27/2012	5	2.0	2.0000	2.0		HIGHEST
		32.0	CARBONATE AS CO3	03/10/2011-04/27/2012	5	<4.0	18.7200	32.0	1.27	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-04/27/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-04/27/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/27/2012	5	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-04/27/2012	5	<0.00008		<0.000080		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-04/27/2012	5	<0.001		<0.0010		HIGHEST
		<0.0005	LEAD (PB) DIS	03/10/2011-04/27/2012	5	<0.0005		<0.00050		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-04/27/2012	5	NA		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-04/27/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-04/27/2012	5	<0.01		<0.010		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-04/27/2012	5	<0.001		<0.0010		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-04/27/2012	5	<0.1		<0.10		HIGHEST
		<0.01	ZINC (ZN) DIS	03/10/2011-04/27/2012	5	<0.01		<0.010		HIGHEST
B11-K	09/06/2012	647.0	TDS (MEASURED AT 180 C)	06/22/2011-04/24/2012	4	654.0	712.5000	816.0	0.92	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-04/24/2012	4	<1.0		<1.0		HIGHEST
		4.0	SULFATE (SO4)	06/22/2011-04/24/2012	4	6.0	12.7500	28.0	0.85	LOWEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		0.108	BARIUM (BA) DIS	06/22/2011-04/24/2012	4	0.088	0.0980	0.108	1.22	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/22/2011-04/24/2012	4	0.13	0.1300	0.13		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-04/24/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-04/24/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
B11-O	09/06/2012	5240.0	TDS (MEASURED AT 180 C)	06/23/2011-04/25/2012	4	5550.0	5755.0000	5910.0	3.36	LOWEST
		33.0	MAGNESIUM (MG) DIS	06/23/2011-04/25/2012	4	34	38.2500	41.0	1.70	LOWEST
		1610.0	SODIUM (NA) DIS	06/23/2011-04/25/2012	4	1700.0	1767.5000	1900.0	1.71	LOWEST
		10.0	POTASSIUM (K) DIS	06/23/2011-04/25/2012	4	11	11.7500	12.0	3.50	LOWEST
		13.0	CARBONATE AS CO3	06/23/2011-04/25/2012	4	<1.0	7.2500	13.0	1.01	HIGHEST
		3400.0	SULFATE (SO4)	06/23/2011-04/25/2012	4	3100.0	3200.0000	3300.0	2.45	HIGHEST
		3.6	ALUMINUM (AL) DIS	06/23/2011-04/25/2012	4	<0.1		0.2		HIGHEST
		0.165	BARIUM (BA) DIS	06/23/2011-04/25/2012	4	0.022	0.0235	0.026	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.017	COPPER (CU) DIS	06/23/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		3.05	IRON (FE) DIS	06/23/2011-04/25/2012	4	<0.05	0.0900	0.16	> 10	HIGHEST
		0.0038	LEAD (PB) DIS	06/23/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-04/25/2012	4	0.01	0.0175	0.02	1.50	LOWEST
		<0.1	VANADIUM (V) DIS	06/23/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		0.12	ZINC (ZN) DIS	06/23/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
B11-U	09/06/2012	37.6	SODIUM ADSORPTION RATIO	06/24/2011-04/25/2012	4	34.1	36.3750	37.3	0.80	HIGHEST
		2.0	CALCIUM (CA) DIS	06/24/2011-04/25/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-04/25/2012	4	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-04/25/2012	4	1.0	1.0000	1.0		HIGHEST
		550.0	TOTAL ALKALINITY AS CACO3	06/24/2011-04/25/2012	4	500.0	535.0000	550.0	0.63	HIGHEST
		0.2	ALUMINUM (AL) DIS	06/24/2011-04/25/2012	4	<0.1	0.1250	0.2	1.50	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-04/25/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	06/24/2011-04/25/2012	4	0.1	0.1075	0.11	2.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) DIS	06/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-04/25/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
C-2	09/06/2012	7.3	PH	06/29/2011-04/26/2012	4	7.5	7.8000	8.1	1.94	LOWEST
		73.0	CALCIUM (CA) DIS	06/29/2011-04/26/2012	4	68.0	70.2500	72.0	1.33	HIGHEST
		116.0	MAGNESIUM (MG) DIS	06/29/2011-04/26/2012	4	111.0	113.7500	116.0	1.01	HIGHEST
		455.0	SODIUM (NA) DIS	06/29/2011-04/26/2012	4	429.0	440.0000	449.0	1.69	HIGHEST
		24.0	POTASSIUM (K) DIS	06/29/2011-04/26/2012	4	22.0	22.5000	23.0	2.60	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	06/29/2011-04/26/2012	4	660.0	665.0000	670.0	6.06	LOWEST
		770.0	BICARBONATE (HCO3)	06/29/2011-04/26/2012	4	790.0	802.5000	810.0	3.39	LOWEST
		1000.0	SULFATE (SO4)	06/29/2011-04/26/2012	4	820.0	897.5000	960.0	1.50	HIGHEST

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		24.0	CHLORIDE (CL)	06/29/2011-04/26/2012	4	25.0	26.2500	29.0	1.19	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/29/2011-04/26/2012	4	0.003	0.0035	0.004	0.87	HIGHEST
		0.064	BARIUM (BA) DIS	06/29/2011-04/26/2012	4	0.056	0.0573	0.058	7.05	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-04/26/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-04/26/2012	4	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	06/29/2011-04/26/2012	4	0.002	0.0023	0.003	1.50	HIGHEST
		<0.05	IRON (FE) DIS	06/29/2011-04/26/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-04/26/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-04/26/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
		0.028	SELENIUM (SE) DIS	06/29/2011-04/26/2012	4	0.015	0.0183	0.021	3.54	HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-04/26/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-04/26/2012	4	<0.01		<0.01		HIGHEST
C-3	09/05/2012	23.0	POTASSIUM (K) DIS	06/22/2011-05/02/2012	4	21.0	22.0000	23.0	1.22	HIGHEST
		1500.0	SULFATE (SO4)	06/22/2011-05/02/2012	4	1300.0	1400.0000	1500.0	1.22	HIGHEST
		10.0	CHLORIDE (CL)	06/22/2011-05/02/2012	4	11.0	12.5000	14.0	1.94	LOWEST
		0.8	FLUORIDE (F)	06/22/2011-05/02/2012	4	0.7	0.7750	0.8	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) DIS	06/22/2011-05/02/2012	4	0.001	0.0013	0.002	1.50	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
C-3	09/05/2012	6.59	SODIUM ADSORPTION RATIO	06/22/2011-05/02/2012	4	6.35	6.4250	6.56	1.77	HIGHEST
		2390.0	TDS (MEASURED AT 180 C)	06/22/2011-05/02/2012	4	2430.0	2580.0000	2740.0	1.35	LOWEST
		23.0	POTASSIUM (K) DIS	06/22/2011-05/02/2012	4	21.0	22.0000	23.0	1.22	HIGHEST
		1500.0	SULFATE (SO4)	06/22/2011-05/02/2012	4	1300.0	1400.0000	1500.0	1.22	HIGHEST
		10.0	CHLORIDE (CL)	06/22/2011-05/02/2012	4	11.0	12.5000	14.0	1.94	LOWEST
		0.8	FLUORIDE (F)	06/22/2011-05/02/2012	4	0.7	0.7750	0.8	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) DIS	06/22/2011-05/02/2012	4	0.001	0.0013	0.002	1.50	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
C-4	09/05/2012	139.0	CALCIUM (CA) DIS	06/22/2011-04/25/2012	4	125.0	134.2500	139.0	0.72	HIGHEST
		205.0	MAGNESIUM (MG) DIS	06/22/2011-04/25/2012	4	211.0	214.0000	217.0	3.06	LOWEST
		20.0	POTASSIUM (K) DIS	06/22/2011-04/25/2012	4	19.0	19.5000	20.0	0.87	HIGHEST
		1800.0	SULFATE (SO4)	06/22/2011-04/25/2012	4	1600.0	1700.0000	1800.0	0.87	HIGHEST
		12.0	CHLORIDE (CL)	06/22/2011-04/25/2012	4	15.0	16.0000	17.0	3.46	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/25/2012	4	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

DataMan Program

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		0.35	BORON (B) DIS	06/22/2011-04/25/2012	4	0.33	0.3425	0.35	0.78	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/25/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		1.91	IRON (FE) DIS	06/22/2011-04/25/2012	4	1.03	1.2875	1.54	2.82	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/25/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-04/25/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/25/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/25/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/25/2012	4	<0.01		<0.01		HIGHEST
FORTUNE	08/29/2012	9.86	SODIUM ADSORPTION RATIO	10/27/2010-05/03/2012	4	10.2	10.9500	12.2	1.26	LOWEST
		0.7	TURBIDITY (NTU)	10/25/2011-05/03/2012	4	NR	0.3333	0.4	6.35	HIGHEST
		1420.0	SODIUM (NA) TRC	10/27/2010-05/03/2012	4	1480.0	1622.5000	1950.0	0.92	LOWEST
		820.0	TOTAL ALKALINITY AS CACO3	10/27/2010-05/03/2012	4	760.0	802.5000	820.0	0.61	HIGHEST
		1000.0	BICARBONATE (HCO3)	10/27/2010-05/03/2012	4	810	935.0000	1000.0	0.73	HIGHEST
		5800.0	SULFATE (SO4)	10/27/2010-05/03/2012	4	5860	5915.0000	6000.0	1.93	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/27/2010-05/03/2012	4	<0.030		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/27/2010-05/03/2012	4	<0.030		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/27/2010-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/27/2010-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-05/03/2012	4	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-05/03/2012	4	NR		<0.001		HIGHEST
		1.16	BORON (B) DIS	10/27/2010-05/03/2012	4	0.74	0.8598	0.96	2.68	HIGHEST
		1.16	BORON (B) TRC	10/27/2010-05/03/2012	4	0.74	0.9725	1.14	1.11	HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/27/2010-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/27/2010-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/27/2010-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.003	COPPER (CU) TRC	10/27/2010-05/03/2012	4	0.0019	0.0025	0.003	0.86	HIGHEST
		<0.05	IRON (FE) DIS	10/27/2010-05/03/2012	4	<0.050		<0.05		HIGHEST
		<0.05	IRON (FE) TRC	10/27/2010-05/03/2012	4	<0.050		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	10/27/2010-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/27/2010-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	10/27/2010-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MANGANESE (MN) TRC	10/27/2010-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/27/2010-05/03/2012	4	0.0033		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-05/03/2012	4	0.0036		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/27/2010-05/03/2012	4	<0.010		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-05/03/2012	4	<0.010		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	10/27/2010-05/03/2012	4	<0.0001		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/03/2012	4	0.00042		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/27/2010-05/03/2012	4	<0.010		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/27/2010-05/03/2012	4	<0.010		<0.01		HIGHEST
K-1	09/06/2012	5.0	CALCIUM (CA) DIS	06/22/2011-04/24/2012	4	4.0	4.0000	4.0		HIGHEST
		2.0	MAGNESIUM (MG) DIS	06/22/2011-04/24/2012	4	2.0	2.0000	2.0		HIGHEST
		420.0	SODIUM (NA) DIS	06/22/2011-04/24/2012	4	364.0	380.5000	390.0	3.34	HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-04/24/2012	4	2.0	2.0000	2.0		HIGHEST
		830.0	TOTAL ALKALINITY AS CACO3	06/22/2011-04/24/2012	4	820.0	825.0000	830.0	0.87	HIGHEST
		99.0	SULFATE (SO4)	06/22/2011-04/24/2012	4	40.0	55.0000	64.0	3.94	HIGHEST
		8.0	CHLORIDE (CL)	06/22/2011-04/24/2012	4	9.0	9.5000	10.0	2.60	LOWEST
		1.4	FLUORIDE (F)	06/22/2011-04/24/2012	4	1.3	1.3250	1.4	1.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/24/2012	4	<0.003		<0.003		HIGHEST
		0.182	BARIUM (BA) DIS	06/22/2011-04/24/2012	4	0.123	0.1380	0.148	4.07	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-04/24/2012	4	0.09	0.0900	0.09		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

DataMan Program

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) DIS	06/22/2011-04/24/2012	4	0.05	0.0575	0.07	1.31	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-04/24/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
K-2	09/18/2012	1150.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/02/2012	4	937.0	1044.2500	1120.0	1.27	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/02/2012	4	<1.0		<1.0		HIGHEST
		3.3	FLUORIDE (F)	06/22/2011-05/02/2012	4	1.2	1.3250	1.4	> 10	HIGHEST
		<1.0	HYDROXIDE (OH)	10/25/2011-05/02/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	5	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-05/02/2012	4	0.09	0.0950	0.1	0.87	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-05/02/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
K-3	09/18/2012	6.6	PH	06/22/2011-05/02/2012	4	7.0	7.5000	8.0	2.05	LOWEST
		2090.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/02/2012	4	1720.0	1910.0000	2030.0	1.35	HIGHEST
		1330.0	TDS (MEASURED AT 180 C)	06/22/2011-05/02/2012	4	1400.0	1442.5000	1480.0	3.40	LOWEST
		96.0	MAGNESIUM (MG) DIS	06/22/2011-05/02/2012	4	90.0	91.5000	95.0	1.89	HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/02/2012	4	605.0	621.2500	640.0	1.29	LOWEST
		730.0	BICARBONATE (HCO3)	06/22/2011-05/02/2012	4	738.0	757.0000	770.0	1.71	LOWEST
		600.0	SULFATE (SO4)	06/22/2011-05/02/2012	4	520.0	564.7500	589.0	1.14	HIGHEST
		1.4	FLUORIDE (F)	06/22/2011-05/02/2012	4	0.5	0.5500	0.6	> 10	HIGHEST
		<1.0	HYDROXIDE (OH)	10/25/2011-05/02/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		0.023	BARIUM (BA) DIS	06/22/2011-05/02/2012	4	0.025	0.0330	0.041	1.22	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/02/2012	4	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		0.094	MANGANESE (MN) DIS	06/22/2011-05/02/2012	4	0.102	0.1950	0.336	0.92	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
K-4	09/18/2012	43.8	SODIUM ADSORPTION RATIO	06/22/2011-05/02/2012	4	32.2	38.6000	41.3	1.21	HIGHEST
		1100.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/02/2012	4	909.0	1014.7500	1070.0	1.16	HIGHEST
		643.0	TDS (MEASURED AT 180 C)	06/22/2011-05/02/2012	4	654.0	667.7500	694.0	1.38	LOWEST
		2.0	CALCIUM (CA) DIS	06/22/2011-05/02/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/02/2012	4	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-05/02/2012	4	1.0	1.0000	1.0		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

DataMan Program

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		29.0	CARBONATE AS CO3	06/22/2011-05/02/2012	4	15.0	21.5000	29.0	1.26	HIGHEST
		3.6	FLUORIDE (F)	06/22/2011-05/02/2012	4	1.4	1.7250	2.0	5.86	HIGHEST
		<1.0	HYDROXIDE (OH)	10/25/2011-05/02/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-05/02/2012	4	0.05	0.1225	0.16	1.45	LOWEST
		0.0012	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		0.016	MANGANESE (MN) DIS	06/22/2011-05/02/2012	4	0.023	0.0310	0.046	1.47	LOWEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/02/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
K-5	09/05/2012	738.0	TDS (MEASURED AT 180 C)	06/22/2011-04/24/2012	4	766.0	794.0000	820.0	2.35	LOWEST
		2.0	CALCIUM (CA) DIS	06/22/2011-04/24/2012	4	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-04/24/2012	4	<1.0	1.0000	<1.0		HIGHEST
		319.0	SODIUM (NA) DIS	06/22/2011-04/24/2012	4	306.0	310.7500	315.0	2.24	HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-04/24/2012	4	2.0	2.0000	2.0		HIGHEST
		1.4	FLUORIDE (F)	06/22/2011-04/24/2012	4	1.3	1.3750	1.4	0.50	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-04/24/2012	4	<0.003		<0.003		HIGHEST
		0.109	BARIUM (BA) DIS	06/22/2011-04/24/2012	4	0.096	0.1013	0.104	2.16	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.16	BORON (B) DIS	06/22/2011-04/24/2012	4	0.16	0.1600	0.16		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-04/24/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		0.25	IRON (FE) DIS	06/22/2011-04/24/2012	4	0.11	0.1850	0.23	1.24	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-04/24/2012	4	<0.0005		<0.0005		HIGHEST
		0.026	MANGANESE (MN) DIS	06/22/2011-04/24/2012	4	0.031	0.0520	0.11	0.67	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-04/24/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-04/24/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-04/24/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-04/24/2012	4	<0.01		<0.01		HIGHEST
K-6	09/18/2012	2160.0	TDS (MEASURED AT 180 C)	06/22/2011-05/02/2012	4	2310.0	2425.0000	2530.0	2.77	LOWEST
		11.0	CARBONATE AS CO3	06/22/2011-05/02/2012	4	<1.0		<4.0		HIGHEST
		12.0	CHLORIDE (CL)	06/22/2011-05/02/2012	4	14.0	56.0000	180.0	0.53	LOWEST
		<1.0	FLUORIDE (F)	06/22/2011-05/02/2012	4	0.8	0.8000	0.8		HIGHEST
		<1.0	HYDROXIDE (OH)	10/25/2011-05/02/2012	3	<4.0		<4.0		LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/02/2012	4	<0.01		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/02/2012	4	<0.003		<0.003		HIGHEST
		0.017	BARIUM (BA) DIS	06/22/2011-05/02/2012	4	0.021	0.0248	0.031	1.78	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/02/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/02/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/02/2012	4	0.001		<0.001		HIGHEST
		0.59	IRON (FE) DIS	06/22/2011-05/02/2012	4	0.64	0.7675	0.89	1.31	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/02/2012	4	<0.0005		<0.0005		HIGHEST
		0.08	MANGANESE (MN) DIS	06/22/2011-05/02/2012	4	0.09	0.1608	0.294	0.86	LOWEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/02/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/02/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/02/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/02/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/02/2012	4	<0.01		<0.01		HIGHEST
P3	09/06/2012	240.0	TOTAL ALKALINITY AS CACO3	10/27/2010-05/03/2012	5	54.0	121.0000	171	2.81	HIGHEST
		290.0	BICARBONATE (HCO3)	10/27/2010-05/03/2012	5	66.0	137.4000	171	3.67	HIGHEST
		5.0	CARBONATE AS CO3	10/27/2010-05/03/2012	5	<0.005		<4.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	10/27/2010-05/03/2012	5	0.010	0.1140	0.23	1.10	LOWEST
		0.006	ARSENIC (AS) DIS	06/24/2011-05/03/2012	4	<0.003		0.005		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-05/03/2012	4	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-05/03/2012	4	0.003	0.0035	0.005	2.50	LOWEST
		1.12	IRON (FE) DIS	06/24/2011-05/03/2012	4	0.06	0.0925	0.17	> 10	HIGHEST
		0.0006	LEAD (PB) DIS	06/24/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
P5	09/06/2012	9.9	PH	10/27/2010-05/03/2012	5	7.2	8.6200	9.8	1.36	HIGHEST
		1410.0	SODIUM (NA) DIS	06/24/2011-05/03/2012	4	293.0	669.5000	1290	1.72	HIGHEST
		76.0	CARBONATE AS CO3	10/27/2010-05/03/2012	5	<1.0	25.0400	51.0	2.55	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.008	ARSENIC (AS) DIS	06/24/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.03	BORON (B) DIS	06/24/2011-05/03/2012	4	0.05	0.0775	0.1	2.14	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		0.009	MOLYBDENUM (MO) DIS	06/24/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
P6	09/06/2012	8.6	PH	06/24/2011-05/03/2012	4	8.0	8.2500	8.4	2.02	HIGHEST
		6.57	SODIUM ADSORPTION RATIO	06/24/2011-05/03/2012	4	4.78	5.0925	5.36	4.83	HIGHEST
		3270.0	SC (UMHOS/CM AT 25 C)	06/24/2011-05/03/2012	4	2750.0	2992.5000	3240.0	1.33	HIGHEST
		2580.0	TDS (MEASURED AT 180 C)	06/24/2011-05/03/2012	4	2370.0	2405.0000	2440.0	6.06	HIGHEST
		20.0	TOTAL SUSPENDED SOLIDS	06/24/2011-05/03/2012	4	<4.0	9.0000	14	2.64	HIGHEST
		35.0	CALCIUM (CA) DIS	06/24/2011-05/03/2012	4	54.0	91.7500	127.0	1.88	LOWEST
		233.0	MAGNESIUM (MG) DIS	06/24/2011-05/03/2012	4	194.0	203.0000	220.0	2.54	HIGHEST
		488.0	SODIUM (NA) DIS	06/24/2011-05/03/2012	4	368.0	381.5000	413	4.97	HIGHEST
		21.0	POTASSIUM (K) DIS	06/24/2011-05/03/2012	4	13.0	15.5000	19.0	2.08	HIGHEST
		49.0	CARBONATE AS CO3	06/24/2011-05/03/2012	4	<1.0	10.7500	29.0	3.06	HIGHEST
		1700.0	SULFATE (SO4)	06/24/2011-05/03/2012	4	1300.0	1325.0000	1400.0	7.50	HIGHEST
		0.6	FLUORIDE (F)	06/24/2011-05/03/2012	4	0.5	0.5500	0.6	0.87	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-05/03/2012	4	NR		<0.001		HIGHEST
		0.59	BORON (B) DIS	06/24/2011-05/03/2012	4	0.39	0.4350	0.47	3.76	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-05/03/2012	4	<0.05		0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST

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		<0.01	ZINC (ZN) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-1A	08/29/2012	4100.0	SC (UMHOS/CM AT 25 C)	10/26/2011-05/03/2012	3	3580.0	3890.0000	4080.0	0.78	HIGHEST
		28.0	TOTAL SUSPENDED SOLIDS	10/26/2011-05/03/2012	3	10.0	11.6667	13.0	> 10	HIGHEST
		6.3	TURBIDITY (NTU)	10/26/2011-05/03/2012	3	1.2	2.0000	3.1	4.37	HIGHEST
		1000.0	TOTAL ALKALINITY AS CACO3	10/26/2011-05/03/2012	3	620.0	793.3333	920.0	1.33	HIGHEST
		1200.0	BICARBONATE (HCO3)	10/26/2011-05/03/2012	3	760.0	950.0000	1100.0	1.44	HIGHEST
		1.4	FLUORIDE (F)	10/26/2011-05/03/2012	3	0.7	1.0667	1.3	1.04	HIGHEST
		0.21	NITRATE + NITRITE AS N	10/26/2011-05/03/2012	3	<0.01	0.0800	0.14	1.98	HIGHEST
		<0.1	ALUMINUM (AL) DIS	10/26/2011-05/03/2012	3	<0.1		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/26/2011-05/03/2012	3	<0.1		<0.1		HIGHEST
		0.014	ARSENIC (AS) DIS	10/26/2011-05/03/2012	3	<0.003		<0.003		HIGHEST
		0.013	ARSENIC (AS) TRC	10/26/2011-05/03/2012	3	<0.003		<0.003		HIGHEST
		0.056	BARIUM (BA) DIS	10/26/2011-05/03/2012	3	0.021	0.0243	0.028	9.02	HIGHEST
		0.057	BARIUM (BA) TRC	10/26/2011-05/03/2012	3	0.024	0.0263	0.028	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/26/2011-05/03/2012	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/26/2011-05/03/2012	3	<0.001		<0.001		HIGHEST
		0.79	BORON (B) DIS	10/26/2011-05/03/2012	3	0.52	0.6467	0.74	1.26	HIGHEST
		0.78	BORON (B) TRC	10/26/2011-05/03/2012	3	0.62	0.6833	0.76	1.36	HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/26/2011-05/03/2012	3	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/26/2011-05/03/2012	3	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/26/2011-05/03/2012	3	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/26/2011-05/03/2012	3	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	10/26/2011-05/03/2012	3	<0.001		0.001		HIGHEST
		<0.001	COPPER (CU) TRC	10/26/2011-05/03/2012	3	0.001		<0.001		HIGHEST
		0.24	IRON (FE) DIS	10/26/2011-05/03/2012	3	0.08	0.1367	0.22	1.40	HIGHEST
		<0.0005	LEAD (PB) DIS	10/26/2011-05/03/2012	3	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/26/2011-05/03/2012	3	<0.0005		<0.0005		HIGHEST
		1.51	MANGANESE (MN) DIS	10/26/2011-05/03/2012	3	0.047	0.2307	0.551	4.60	HIGHEST
		1.53	MANGANESE (MN) TRC	10/26/2011-05/03/2012	3	0.051	0.2043	0.471	5.72	HIGHEST
		<0.00005	MERCURY (HG) DIS	10/26/2011-05/03/2012	3	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/26/2011-05/03/2012	3	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/26/2011-05/03/2012	3	<0.005		0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/26/2011-05/03/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/26/2011-05/03/2012	3	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/26/2011-05/03/2012	3	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) DIS	10/26/2011-05/03/2012	3	0.001		<0.001		HIGHEST
		0.002	SELENIUM (SE) TRC	10/26/2011-05/03/2012	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	10/26/2011-05/03/2012	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/26/2011-05/03/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/26/2011-05/03/2012	3	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/26/2011-05/03/2012	3	<0.01		<0.01		HIGHEST
SW-2	09/06/2012	9.0	PH	06/15/2011-05/03/2012	4	8.1	8.4000	8.6	2.78	HIGHEST
		8.54	SODIUM ADSORPTION RATIO	06/15/2011-05/03/2012	4	4.82	5.6350	6.24	4.79	HIGHEST
		4730.0	SC (UMHOS/CM AT 25 C)	06/15/2011-05/03/2012	4	3290.0	3577.5000	3970.0	3.85	HIGHEST
		3940.0	TDS (MEASURED AT 180 C)	06/15/2011-05/03/2012	4	2490.0	3027.5000	3420.0	2.30	HIGHEST
		50.0	TURBIDITY (NTU)	06/15/2011-05/03/2012	4	3.6	20.2500	48.2	1.50	HIGHEST
		45.0	CALCIUM (CA) DIS	06/15/2011-05/03/2012	4	129.0	135.2500	143.0	> 10	LOWEST
		336.0	MAGNESIUM (MG) DIS	06/15/2011-05/03/2012	4	200.0	239.2500	253.0	3.70	HIGHEST
		756.0	SODIUM (NA) DIS	06/15/2011-05/03/2012	4	375.0	472.5000	520	4.20	HIGHEST
		32.0	POTASSIUM (K) DIS	06/15/2011-05/03/2012	4	18.0	20.0000	22.0	7.35	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	06/15/2011-05/03/2012	4	480.0	587.5000	630.0	0.59	HIGHEST
		560.0	BICARBONATE (HCO3)	06/15/2011-05/03/2012	4	580.0	652.5000	700.0	1.81	LOWEST
		100.0	CARBONATE AS CO3	06/15/2011-05/03/2012	4	<1.0	29.0000	45.0	3.61	HIGHEST
		2600.0	SULFATE (SO4)	06/15/2011-05/03/2012	4	1400.0	1700.0000	1900.0	4.17	HIGHEST
		0.8	FLUORIDE (F)	06/15/2011-05/03/2012	4	0.5	0.5750	0.6	4.50	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.7	BORON (B) DIS	06/15/2011-05/03/2012	4	0.24	0.3350	0.4	5.08	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.003	COPPER (CU) DIS	06/15/2011-05/03/2012	4	0.001	0.0013	0.002	3.50	HIGHEST
		0.0014	LEAD (PB) DIS	06/15/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		0.026	MANGANESE (MN) DIS	06/15/2011-05/03/2012	4	0.055	0.1968	0.571	0.68	LOWEST
		0.011	MOLYBDENUM (MO) DIS	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-05/03/2012	4	0.001	0.0010	<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-4	08/28/2012	1230.0	TOTAL SUSPENDED SOLIDS	10/21/2011-03/22/2012	3	46.0	224.6667	350.0	6.33	HIGHEST
		62.0	CALCIUM (CA) TRC	06/14/2011-03/22/2012	4	23	37.7500	45	2.38	HIGHEST
		19.0	MAGNESIUM (MG) TRC	06/14/2011-03/22/2012	4	4	13.7500	19	0.78	HIGHEST
		21.0	POTASSIUM (K) DIS	06/14/2011-03/22/2012	4	5.0	13.0000	17.0	1.46	HIGHEST
		24.0	POTASSIUM (K) TRC	06/14/2011-03/22/2012	4	7	14.2500	17	2.01	HIGHEST
		190.0	TOTAL ALKALINITY AS CACO3	06/14/2011-03/22/2012	4	93.0	114.5000	140.0	3.14	HIGHEST
		230.0	BICARBONATE (HCO3)	06/14/2011-03/22/2012	4	110.0	140.0000	170.0	3.06	HIGHEST
		2.0	SULFATE (SO4)	06/14/2011-03/22/2012	4	8.0	101.5000	330.0	0.65	LOWEST
		<0.02	NITRATE + NITRITE AS N	06/14/2011-03/22/2012	4	0.03	0.3350	0.73	1.05	LOWEST
		0.007	ARSENIC (AS) DIS	06/14/2011-03/22/2012	4	<0.003		<0.003		HIGHEST
		0.014	ARSENIC (AS) TRC	06/14/2011-03/22/2012	4	<0.003	0.0050	0.01	2.67	HIGHEST
		0.308	BARIUM (BA) DIS	06/14/2011-03/22/2012	4	0.064	0.0818	0.106	> 10	HIGHEST
		0.527	BARIUM (BA) TRC	06/14/2011-03/22/2012	4	0.07	0.1688	0.31	3.47	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-03/22/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/22/2012	4	<0.001		0.001		HIGHEST
		0.04	BORON (B) DIS	06/14/2011-03/22/2012	4	0.03	0.0350	0.04	0.87	HIGHEST
		0.06	BORON (B) TRC	06/14/2011-03/22/2012	4	0.03	0.0325	0.04	5.50	HIGHEST
		0.001	COPPER (CU) DIS	06/14/2011-03/22/2012	4	0.002	0.0048	0.008	1.36	LOWEST
		9.14	IRON (FE) DIS	06/14/2011-03/22/2012	4	<0.05	0.4575	1.38	> 10	HIGHEST
		1.71	MANGANESE (MN) DIS	06/14/2011-03/22/2012	4	0.011	0.0660	0.204	> 10	HIGHEST
		2.1	MANGANESE (MN) TRC	06/14/2011-03/22/2012	4	0.03	0.3115	0.761	5.70	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-03/22/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/22/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-03/22/2012	4	<0.01		<0.01		HIGHEST
		0.04	NICKEL (NI) TRC	06/14/2011-03/22/2012	4	<0.01	0.0200	0.04	1.41	HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-03/22/2012	4	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-03/22/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-03/22/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/22/2012	4	<0.1		<0.1		HIGHEST
		0.03	ZINC (ZN) DIS	06/14/2011-03/22/2012	4	0.01	0.0200	0.03	1.22	HIGHEST
		0.23	ZINC (ZN) TRC	06/14/2011-03/22/2012	4	0.01	0.0950	0.19	1.53	HIGHEST
SW-6	08/28/2012	0.06	SODIUM ADSORPTION RATIO	06/14/2011-03/14/2012	3	0.40	0.8100	1.11	2.04	LOWEST
		213.0	SC (UMHOS/CM AT 25 C)	06/14/2011-03/14/2012	3	423.0	484.0000	591.0	2.91	LOWEST
		132.0	TDS (MEASURED AT 180 C)	06/14/2011-03/14/2012	3	324.0	388.0000	500.0	2.63	LOWEST
		25.0	CALCIUM (CA) DIS	06/14/2011-03/14/2012	3	31.0	43.0000	60.0	1.19	LOWEST
		27.0	CALCIUM (CA) TRC	06/14/2011-03/14/2012	3	32	40.6667	53.0	1.25	LOWEST
		5.0	MAGNESIUM (MG) DIS	06/14/2011-03/14/2012	3	11.0	15.3333	21.0	2.01	LOWEST
		6.0	MAGNESIUM (MG) TRC	06/14/2011-03/14/2012	3	11	14.0000	18.0	2.22	LOWEST
		2.0	SODIUM (NA) DIS	06/14/2011-03/14/2012	3	13.0	22.6667	32	2.17	LOWEST
		1.0	SODIUM (NA) TRC	06/14/2011-03/14/2012	3	11.0	20.6667	30	2.07	LOWEST
		<5.0	SULFATE (SO4)	06/14/2011-03/14/2012	3	110.0	126.6667	150.0	5.84	LOWEST
		3.0	ALUMINUM (AL) TRC	06/14/2011-03/14/2012	3	0.5	1.1667	1.9	2.61	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-03/14/2012	3	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-03/14/2012	3	<0.003		<0.003		HIGHEST
		0.146	BARIUM (BA) TRC	06/14/2011-03/14/2012	3	0.091	0.1120	0.13	1.73	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-03/14/2012	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/14/2012	3	<0.001		<0.001		HIGHEST
		0.03	BORON (B) DIS	06/14/2011-03/14/2012	3	0.02	0.0233	0.03	1.15	HIGHEST
		0.04	BORON (B) TRC	06/14/2011-03/14/2012	3	0.02	0.0200	0.02		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/14/2011-03/14/2012	3	<0.00008		<0.00008		HIGHEST
		0.007	CHROMIUM (CR) TRC	06/14/2011-03/14/2012	3	0.001	0.0037	0.006	1.32	HIGHEST
		<0.001	COPPER (CU) DIS	06/14/2011-03/14/2012	3	0.001	0.0040	0.01	0.58	LOWEST
		2.28	IRON (FE) DIS	06/14/2011-03/14/2012	3	0.11	1.1567	2.02	1.16	HIGHEST
		7.82	IRON (FE) TRC	06/14/2011-03/14/2012	3	1.31	2.4433	4.3	3.32	HIGHEST
		0.473	MANGANESE (MN) DIS	06/14/2011-03/14/2012	3	0.019	0.1440	0.276	2.56	HIGHEST
		0.542	MANGANESE (MN) TRC	06/14/2011-03/14/2012	3	0.028	0.1613	0.315	2.63	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-03/14/2012	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/14/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-03/14/2012	3	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/14/2011-03/14/2012	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-03/14/2012	3	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-03/14/2012	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-03/14/2012	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/14/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/14/2011-03/14/2012	3	0.01	0.0233	0.05	0.58	LOWEST
		0.02	ZINC (ZN) TRC	06/14/2011-03/14/2012	3	0.04	0.1000	0.22	0.77	LOWEST
SW-9	08/28/2012	9.36	SODIUM ADSORPTION RATIO	08/25/2011-06/07/2012	7	3.21	7.3729	9.21	1.03	HIGHEST
		896.0	MAGNESIUM (MG) TRC	08/25/2011-06/07/2012	7	70	352.5714	532	3.62	HIGHEST
		1850.0	SODIUM (NA) TRC	08/25/2011-06/07/2012	7	144	819.2857	1160	3.14	HIGHEST
		72.0	POTASSIUM (K) DIS	08/25/2011-06/07/2012	7	12.0	25.8571	44.0	3.97	HIGHEST
		72.0	POTASSIUM (K) TRC	08/25/2011-06/07/2012	7	13.0	26.4286	45	4.08	HIGHEST
		51.0	CHLORIDE (CL)	08/25/2011-06/07/2012	7	15.0	25.0000	40	3.24	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-06/07/2012	7	<0.1		<0.1		HIGHEST
		0.008	ARSENIC (AS) DIS	08/25/2011-06/07/2012	7	<0.003		<0.003		HIGHEST
		0.009	ARSENIC (AS) TRC	08/25/2011-06/07/2012	7	<0.003		0.003		HIGHEST
		0.07	BARIUM (BA) DIS	08/25/2011-06/07/2012	7	0.025	0.0390	0.052	3.18	HIGHEST
		0.078	BARIUM (BA) TRC	08/25/2011-06/07/2012	7	0.032	0.0483	0.067	2.50	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-06/07/2012	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-06/07/2012	7	<0.001		<0.001		HIGHEST
		<0.0002	CADMIUM (CD) DIS	08/25/2011-06/07/2012	7	<0.00008		0.00019		HIGHEST
		0.002	CHROMIUM (CR) DIS	08/25/2011-06/07/2012	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-06/07/2012	7	<0.0005		<0.0005		HIGHEST
		1.15	MANGANESE (MN) DIS	08/25/2011-06/07/2012	7	<0.005	0.1961	0.618	4.56	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-06/07/2012	7	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-06/07/2012	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-06/07/2012	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-06/07/2012	7	<0.005		<0.005		HIGHEST
		0.02	NICKEL (NI) TRC	08/25/2011-06/07/2012	7	0.01	0.0129	0.02	1.46	HIGHEST
		0.012	SELENIUM (SE) DIS	08/25/2011-06/07/2012	7	0.001	0.0011	0.002	> 10	HIGHEST
		0.024	SELENIUM (SE) TRC	08/25/2011-06/07/2012	7	0.001	0.0011	0.002	> 10	HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-06/07/2012	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-06/07/2012	7	<0.1		<0.1		HIGHEST
SW-10	08/28/2012	354.0	TDS (MEASURED AT 180 C)	03/14/2010-06/07/2012	4	438.0	1214.0000	2420.0	0.97	LOWEST
		2440.0	TOTAL SUSPENDED SOLIDS	03/14/2010-06/07/2012	4	8.0	38.0000	62.0	> 10	HIGHEST
		2600.0	TURBIDITY (NTU)	03/14/2010-06/07/2012	4	1.5	31.2750	65.3	> 10	HIGHEST
		59.0	CALCIUM (CA) DIS	03/14/2010-06/07/2012	4	61.0	137.5000	262.0	0.86	LOWEST
		16.0	MAGNESIUM (MG) DIS	03/14/2010-06/07/2012	4	21.0	77.2500	183.0	0.83	LOWEST
		17.0	MAGNESIUM (MG) TRC	03/14/2010-06/07/2012	4	23	79.0000	189.0	0.82	LOWEST
		130.0	SULFATE (SO4)	03/14/2010-06/07/2012	4	190.0	695.0000	1500.0	0.94	LOWEST
		6.0	CHLORIDE (CL)	03/14/2010-06/07/2012	4	16	23.7500	30.0	2.75	LOWEST
		0.4	FLUORIDE (F)	03/14/2010-06/07/2012	4	<0.1	0.2000	0.4	1.41	HIGHEST
		<0.003	ARSENIC (AS) DIS	03/14/2010-06/07/2012	4	<0.003		0.003		HIGHEST
		0.003	ARSENIC (AS) TRC	03/14/2010-06/07/2012	4	<0.003		<0.003		HIGHEST
		0.114	BARIUM (BA) DIS	03/14/2010-06/07/2012	4	0.052	0.0750	0.105	1.51	HIGHEST
		0.149	BARIUM (BA) TRC	03/14/2010-06/07/2012	4	0.052	0.0783	0.111	2.59	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	03/14/2010-06/07/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	03/14/2010-06/07/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) TRC	03/14/2010-06/07/2012	4	<0.00008		<0.00008		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.002	CHROMIUM (CR) TRC	03/14/2010-06/07/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) TRC	03/14/2010-06/07/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	03/14/2010-06/07/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	03/14/2010-06/07/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/14/2010-06/07/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	03/14/2010-06/07/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/14/2010-06/07/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	03/14/2010-06/07/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/14/2010-06/07/2012	4	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	03/14/2010-06/07/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/14/2010-06/07/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	03/14/2010-06/07/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	03/14/2010-06/07/2012	4	0.01	0.0650	0.18	0.71	LOWEST
SW-11	08/28/2012	7.7	PH	08/25/2011-06/07/2012	6	8.0	8.1667	8.3	4.52	LOWEST
		3990.0	SC (UMHOS/CM AT 25 C)	08/25/2011-06/07/2012	6	3250.0	3473.3333	3720.0	3.41	HIGHEST
		1000.0	TOTAL SUSPENDED SOLIDS	08/25/2011-06/07/2012	6	<4	19.0000	70	> 10	HIGHEST
		3260.0	TURBIDITY (NTU)	08/25/2011-06/07/2012	6	0.5	29.6500	110.0	> 10	HIGHEST
		910.0	TOTAL ALKALINITY AS CACO3	08/25/2011-06/07/2012	6	580.0	650.0000	770.0	3.69	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/25/2011-06/07/2012	6	700.0	773.3333	930.0	3.95	HIGHEST
		14.0	CHLORIDE (CL)	08/25/2011-06/07/2012	6	10.0	11.0000	12.0	3.35	HIGHEST
		0.7	FLUORIDE (F)	08/25/2011-06/07/2012	6	0.4	0.5333	0.6	2.04	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-06/07/2012	6	<0.1		<0.1		HIGHEST
		6.3	ALUMINUM (AL) TRC	08/25/2011-06/07/2012	6	<0.1		0.4		HIGHEST
		0.012	ARSENIC (AS) DIS	08/25/2011-06/07/2012	6	<0.003		0.004		HIGHEST
		0.014	ARSENIC (AS) TRC	08/25/2011-06/07/2012	6	<0.003		0.005		HIGHEST
		0.05	BARIUM (BA) DIS	08/25/2011-06/07/2012	6	0.02	0.0335	0.046	1.96	HIGHEST
		0.109	BARIUM (BA) TRC	08/25/2011-06/07/2012	6	0.02	0.0355	0.046	8.02	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-06/07/2012	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-06/07/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-06/07/2012	6	<0.00008		<0.00008		HIGHEST
		0.00011	CADMIUM (CD) TRC	08/25/2011-06/07/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-06/07/2012	6	<0.001		<0.001		HIGHEST
		0.013	CHROMIUM (CR) TRC	08/25/2011-06/07/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-06/07/2012	6	<0.001		<0.001		HIGHEST
		0.011	COPPER (CU) TRC	08/25/2011-06/07/2012	6	<0.001	0.0012	0.002	> 10	HIGHEST
		1.13	IRON (FE) DIS	08/25/2011-06/07/2012	6	<0.05		0.13		HIGHEST
		9.27	IRON (FE) TRC	08/25/2011-06/07/2012	6	0.08	0.6317	1.13	> 10	HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-06/07/2012	6	<0.0005		<0.0005		HIGHEST
		0.0052	LEAD (PB) TRC	08/25/2011-06/07/2012	6	<0.0005		0.0006		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-06/07/2012	6	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-06/07/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-06/07/2012	6	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-06/07/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-06/07/2012	6	<0.01		<0.01		HIGHEST
		0.01	NICKEL (NI) TRC	08/25/2011-06/07/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-06/07/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-06/07/2012	6	<0.1		<0.1		HIGHEST
		0.07	ZINC (ZN) DIS	08/25/2011-06/07/2012	6	<0.01		0.02		HIGHEST
		<0.01	ZINC (ZN) TRC	08/25/2011-06/07/2012	6	<0.01		<0.01		HIGHEST
SW-12	08/28/2012	2.73	SODIUM ADSORPTION RATIO	10/20/2011-04/19/2012	3	5.30	5.4400	5.53	> 10	LOWEST
		1900.0	SC (UMHOS/CM AT 25 C)	10/20/2011-04/19/2012	3	3360.0	3403.3333	3460.0	> 10	LOWEST
		1340.0	TDS (MEASURED AT 180 C)	10/20/2011-04/19/2012	3	2650.0	3006.6667	3610.0	3.17	LOWEST
		2630.0	TOTAL SUSPENDED SOLIDS	10/20/2011-04/19/2012	3	6.0	116.0000	334.0	> 10	HIGHEST
		1460.0	TURBIDITY (NTU)	10/20/2011-04/19/2012	3	5.5	15.8667	34.4	> 10	HIGHEST
		66.0	CALCIUM (CA) DIS	10/20/2011-04/19/2012	3	158.0	164.3333	175.0	> 10	LOWEST
		68.0	CALCIUM (CA) TRC	10/20/2011-04/19/2012	3	162	166.6667	173	> 10	LOWEST
		50.0	MAGNESIUM (MG) DIS	10/20/2011-04/19/2012	3	183.0	200.6667	235.0	5.07	LOWEST
		50.0	MAGNESIUM (MG) TRC	10/20/2011-04/19/2012	3	184.0	201.0000	230	5.98	LOWEST
		130.0	SODIUM (NA) DIS	10/20/2011-04/19/2012	3	414.0	440.0000	477	9.42	LOWEST

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OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		121.0	SODIUM (NA) TRC	10/20/2011-04/19/2012	3	423	442.3333	478	> 10	LOWEST
		11.0	POTASSIUM (K) DIS	10/20/2011-04/19/2012	3	13.0	22.3333	40.0	0.74	LOWEST
		11.0	POTASSIUM (K) TRC	10/20/2011-04/19/2012	3	14	22.6667	40	0.78	LOWEST
		180.0	TOTAL ALKALINITY AS CACO3	10/20/2011-04/19/2012	3	270.0	500.0000	620.0	1.61	LOWEST
		220.0	BICARBONATE (HCO3)	10/20/2011-04/19/2012	3	330.0	606.6667	750.0	1.61	LOWEST
		560.0	SULFATE (SO4)	10/20/2011-04/19/2012	3	1400.0	1666.6667	2100.0	2.92	LOWEST
		4.0	CHLORIDE (CL)	10/20/2011-04/19/2012	3	10.0	13.0000	19.0	1.73	LOWEST
		0.4	FLUORIDE (F)	10/20/2011-04/19/2012	3	0.5	0.6333	0.9	1.01	LOWEST
		0.36	NITRATE + NITRITE AS N	10/20/2011-04/19/2012	3	0.04	0.0567	0.07	> 10	HIGHEST
		<0.1	ALUMINUM (AL) DIS	10/20/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		0.7	ALUMINUM (AL) TRC	10/20/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/20/2011-04/19/2012	3	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/20/2011-04/19/2012	3	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/20/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/20/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	10/20/2011-04/19/2012	3	0.22	0.2767	0.31	3.18	LOWEST
		0.13	BORON (B) TRC	10/20/2011-04/19/2012	3	0.22	0.2833	0.32	2.78	LOWEST
		0.0001	CADMIUM (CD) DIS	10/20/2011-04/19/2012	3	<0.00008		<0.00008		HIGHEST
		0.00012	CADMIUM (CD) TRC	10/20/2011-04/19/2012	3	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/20/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		0.001	CHROMIUM (CR) TRC	10/20/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		0.79	IRON (FE) DIS	10/20/2011-04/19/2012	3	<0.05		0.1		HIGHEST
		2.14	IRON (FE) TRC	10/20/2011-04/19/2012	3	0.21	0.4133	0.62	8.42	HIGHEST
		<0.0005	LEAD (PB) DIS	10/20/2011-04/19/2012	3	<0.0005		<0.0005		HIGHEST
		0.0008	LEAD (PB) TRC	10/20/2011-04/19/2012	3	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	10/20/2011-04/19/2012	3	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/20/2011-04/19/2012	3	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/20/2011-04/19/2012	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/20/2011-04/19/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/20/2011-04/19/2012	3	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/20/2011-04/19/2012	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	10/20/2011-04/19/2012	3	0.003	0.0030	0.003		LOWEST
		<0.001	SELENIUM (SE) TRC	10/20/2011-04/19/2012	3	0.002	0.0023	0.003	2.31	LOWEST
		<0.1	VANADIUM (V) DIS	10/20/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/20/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/20/2011-04/19/2012	3	0.01		<0.01		HIGHEST
		0.03	ZINC (ZN) TRC	10/20/2011-04/19/2012	3	0.01		<0.01		HIGHEST
SW-13	08/28/2012	<0.003	ARSENIC (AS) DIS	06/14/2011-03/14/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-03/14/2012	5	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-03/14/2012	5	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-03/14/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/14/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-03/14/2012	5	0.01	0.0120	0.02	0.45	LOWEST
		<0.1	VANADIUM (V) DIS	06/14/2011-03/14/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/14/2012	5	<0.1		<0.1		HIGHEST
SW-14	08/27/2012	7.7	PH	06/14/2011-10/25/2011	2	8.0	8.0000	8.0		LOWEST
		0.16	SODIUM ADSORPTION RATIO	06/14/2011-03/22/2012	3	1.72	2.8133	4.74	1.59	LOWEST
		287.0	SC (UMHOS/CM AT 25 C)	06/14/2011-10/25/2011	2	796.0	2218.0000	3640.0	0.96	LOWEST
		180.0	TDS (MEASURED AT 180 C)	06/14/2011-10/25/2011	2	582.0	2246.0000	3910.0	0.88	LOWEST
		92.0	TOTAL SUSPENDED SOLIDS	06/14/2011-10/25/2011	2	122	248.0000	374.0	0.88	LOWEST
		33.0	CALCIUM (CA) DIS	06/14/2011-10/25/2011	2	65.0	154.0000	243.0	0.96	LOWEST
		36.0	CALCIUM (CA) TRC	06/14/2011-03/22/2012	3	65	96.3333	143.0	1.46	LOWEST
		7.0	MAGNESIUM (MG) DIS	06/14/2011-10/25/2011	2	28.0	136.0000	244.0	0.84	LOWEST
		10.0	MAGNESIUM (MG) TRC	06/14/2011-03/22/2012	3	31	52.6667	82	1.62	LOWEST
		4.0	SODIUM (NA) DIS	06/14/2011-10/25/2011	2	72.0	254.5000	437	0.97	LOWEST
		3.0	SODIUM (NA) TRC	06/14/2011-03/22/2012	3	74	98.6667	144	2.43	LOWEST
		120.0	TOTAL ALKALINITY AS CACO3	06/14/2011-10/25/2011	2	140.0	155.0000	170.0	1.65	LOWEST
		150.0	BICARBONATE (HCO3)	06/14/2011-10/25/2011	2	180.0	195.0000	210.0	2.12	LOWEST
		<1.0	CARBONATE AS CO3	06/14/2011-10/25/2011	2	<4.0		<4.0		LOWEST

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		9.0	SULFATE (SO4)	06/14/2011-10/25/2011	2	290.0	1345.0000	2400.0	0.90	LOWEST
		0.1	FLUORIDE (F)	06/14/2011-10/25/2011	2	0.3	0.6000	0.9	1.18	LOWEST
		2.59	NITRATE + NITRITE AS N	06/14/2011-10/25/2011	2	0.14	0.7150	1.29	2.31	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/14/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-03/22/2012	3	<0.003		<0.003		HIGHEST
		0.14	BARIUM (BA) DIS	06/14/2011-10/25/2011	2	0.082	0.0840	0.086	> 10	HIGHEST
		0.165	BARIUM (BA) TRC	06/14/2011-03/22/2012	3	0.116	0.1377	0.165	1.09	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/22/2012	3	<0.001		<0.001		HIGHEST
		0.07	BORON (B) TRC	06/14/2011-03/22/2012	3	0.03	0.0467	0.06	1.53	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/14/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.59	IRON (FE) DIS	06/14/2011-10/25/2011	2	<0.05	0.1500	0.25	3.11	HIGHEST
		<0.0005	LEAD (PB) DIS	06/14/2011-10/25/2011	2	0.0005	0.0005	<0.0005		HIGHEST
		<0.00005	MERCURY (HG) TOT	06/14/2011-03/22/2012	3	0.00005		<0.0001		LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/22/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/14/2011-03/22/2012	3	0.01	0.0100	<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-10/25/2011	2	<0.001	0.0010	0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-03/22/2012	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/22/2012	3	<0.1		<0.1		HIGHEST
		0.02	ZINC (ZN) TRC	06/14/2011-03/22/2012	3	0.04	0.0500	0.07	1.73	LOWEST
SW-16	09/06/2012	8.7	PH	06/15/2011-05/03/2012	4	8.0	8.3750	8.6	1.13	HIGHEST
		8.18	SODIUM ADSORPTION RATIO	06/15/2011-05/03/2012	4	4.90	5.5175	6.08	5.29	HIGHEST
		4320.0	SC (UMHOS/CM AT 25 C)	06/15/2011-05/03/2012	4	3380.0	3577.5000	3960.0	2.78	HIGHEST
		3450.0	TDS (MEASURED AT 180 C)	06/15/2011-05/03/2012	4	2460.0	3032.5000	3360.0	1.05	HIGHEST
		32.0	TOTAL SUSPENDED SOLIDS	06/15/2011-05/03/2012	4	6	16.2500	32.0	1.35	HIGHEST
		51.0	CALCIUM (CA) DIS	06/15/2011-05/03/2012	4	131.0	134.5000	140.0	> 10	LOWEST
		302.0	MAGNESIUM (MG) DIS	06/15/2011-05/03/2012	4	207.0	237.5000	250.0	3.16	HIGHEST
		696.0	SODIUM (NA) DIS	06/15/2011-05/03/2012	4	387.0	462.0000	513	4.22	HIGHEST
		29.0	POTASSIUM (K) DIS	06/15/2011-05/03/2012	4	18.0	19.7500	22.0	5.42	HIGHEST
		590.0	BICARBONATE (HCO3)	06/15/2011-05/03/2012	4	610.0	655.0000	680.0	2.09	LOWEST
		66.0	CARBONATE AS CO3	06/15/2011-05/03/2012	4	<1.0	31.0000	44.0	1.72	HIGHEST
		2300.0	SULFATE (SO4)	06/15/2011-05/03/2012	4	1500.0	1725.0000	1900.0	3.37	HIGHEST
		0.7	FLUORIDE (F)	06/15/2011-05/03/2012	4	0.5	0.5750	0.6	2.50	HIGHEST
		0.2	ALUMINUM (AL) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.63	BORON (B) DIS	06/15/2011-05/03/2012	4	0.26	0.3425	0.39	4.87	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/15/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		0.009	MOLYBDENUM (MO) DIS	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-05/03/2012	4	<0.001	0.0010	0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-22	09/06/2012	6.56	SODIUM ADSORPTION RATIO	06/15/2011-05/03/2012	4	5.0	5.3625	5.81	3.06	HIGHEST
		64.0	TOTAL SUSPENDED SOLIDS	06/15/2011-05/03/2012	4	11.0	21.7500	32.0	4.84	HIGHEST
		43.0	TURBIDITY (NTU)	06/15/2011-05/03/2012	4	5.5	8.6750	15.6	7.28	HIGHEST
		94.0	CALCIUM (CA) DIS	06/15/2011-05/03/2012	4	138.0	140.0000	141.0	> 10	LOWEST
		310.0	MAGNESIUM (MG) DIS	06/15/2011-05/03/2012	4	218.0	240.2500	257.0	4.29	HIGHEST
		534.0	SODIUM (NA) DIS	06/15/2011-05/03/2012	4	405.0	449.0000	482	2.20	HIGHEST
		25.0	POTASSIUM (K) DIS	06/15/2011-05/03/2012	4	18.0	19.7500	21.0	4.17	HIGHEST
		1900.0	SULFATE (SO4)	06/15/2011-05/03/2012	4	1600.0	1700.0000	1800.0	2.45	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY 3RDQ

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.7	FLUORIDE (F)	06/15/2011-05/03/2012	4	0.5	0.5750	0.6	2.50	HIGHEST
		0.9	ALUMINUM (AL) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.006	ARSENIC (AS) DIS	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.49	BORON (B) DIS	06/15/2011-05/03/2012	4	0.25	0.3375	0.38	2.56	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.003	COPPER (CU) DIS	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		1.34	IRON (FE) DIS	06/15/2011-05/03/2012	4	<0.05		0.07		HIGHEST
		0.0012	LEAD (PB) DIS	06/15/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		0.006	MOLYBDENUM (MO) DIS	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-05/03/2012	4	<0.001	0.0010	<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
All Data was used for Statistics The detection limit was used in calculations.

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SUMMARY ANALYSES REPORT

Q3 2012

Sample Type: Surface Water

SITE CODE	SW-1
SAMPLE DATE	08/27/2012
SAMPLE TIME	11:50
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-225

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	08/29/2012
SAMPLE TIME	12:20
LAB	EL
LAB NUMBER	2080485012
SAMPLE NUMBER	OCC-1208-211
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.51
PH	7.9
SODIUM ADSORPTION RATIO	7.83
SC (UMHOS/CM AT 25 C)	4100.0
SC (UMHOS/CM AT 25 C) (FLD)	3790.0
TDS (MEASURED AT 180 C)	3260.0
TOTAL SUSPENDED SOLIDS	28.0
TURBIDITY (NTU)	6.3
WATER TEMPERATURE (FLD)	20.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	105.0
CALCIUM (CA) TRC	109.0
MAGNESIUM (MG) DIS	220.0
MAGNESIUM (MG) TRC	232.0
SODIUM (NA) DIS	615.0
SODIUM (NA) TRC	634.0
POTASSIUM (K) DIS	24.0
POTASSIUM (K) TRC	24.0
TOTAL ALKALINITY AS CACO3	1000.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.4
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.21
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	0.014
ARSENIC (AS) TRC	0.013
BARIUM (BA) DIS	0.056
BARIUM (BA) TRC	0.057
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.79
BORON (B) TRC	0.78
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.24
IRON (FE) TRC	0.27
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	1.51
MANGANESE (MN) TRC	1.53

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	08/29/2012
SAMPLE TIME	12:20
LAB	EL
LAB NUMBER	2080485012
SAMPLE NUMBER	OCC-1208-211

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.002
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	09/06/2012
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	2090092015
SAMPLE NUMBER	OCC-1209-714
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.88
PH	9.0
SODIUM ADSORPTION RATIO	8.54
SC (UMHOS/CM AT 25 C)	4730.0
SC (UMHOS/CM AT 25 C) (FLD)	4570.0
TDS (MEASURED AT 180 C)	3940.0
TOTAL SUSPENDED SOLIDS	78.0
	H
TURBIDITY (NTU)	50.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	45.0
MAGNESIUM (MG) DIS	336.0
SODIUM (NA) DIS	756.0
POTASSIUM (K) DIS	32.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	100.0
SULFATE (SO4)	2600.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	0.8
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.044
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.7
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.003
IRON (FE) DIS	<0.05
LEAD (PB) DIS	0.0014
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.011
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3
SAMPLE DATE	08/28/2012
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	2080485003
SAMPLE NUMBER	OCC-1208-202
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.15
PH	7.1
SODIUM ADSORPTION RATIO	0.29
SC (UMHOS/CM AT 25 C)	291.0
SC (UMHOS/CM AT 25 C) (FLD)	377.0
TDS (MEASURED AT 180 C)	186.0
TOTAL SUSPENDED SOLIDS	176.0
TURBIDITY (NTU)	9.0
	H
WATER TEMPERATURE (FLD)	23.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	26.0
CALCIUM (CA) TRC	58.0
MAGNESIUM (MG) DIS	10.0
MAGNESIUM (MG) TRC	30.0
SODIUM (NA) DIS	9.0
SODIUM (NA) TRC	11.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	160.0
BICARBONATE (HCO3)	200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	2.0
FLUORIDE (F)	0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	33.0
ARSENIC (AS) DIS	0.007
ARSENIC (AS) TRC	0.016
BARIUM (BA) DIS	0.106
BARIUM (BA) TRC	0.002
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	0.002
BORON (B) DIS	0.05
BORON (B) TRC	0.1
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0007
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.049
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.05
IRON (FE) DIS	4.5
IRON (FE) TRC	41.7
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0303
MANGANESE (MN) DIS	0.993

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3
SAMPLE DATE	08/28/2012
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	2080485003
SAMPLE NUMBER	OCC-1208-202

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	1.74
MERCURY (HG) DIS	0.00008
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.05
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.24

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:20
LAB	EL
LAB NUMBER	2080485005
SAMPLE NUMBER	OCC-1208-204
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.23
PH	7.0
SODIUM ADSORPTION RATIO	0.58
SC (UMHOS/CM AT 25 C)	361.0
SC (UMHOS/CM AT 25 C) (FLD)	443.0
TDS (MEASURED AT 180 C)	200.0
TOTAL SUSPENDED SOLIDS	1230.0
TURBIDITY (NTU)	533.0
WATER TEMPERATURE (FLD)	25.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	40.0
CALCIUM (CA) TRC	62.0
MAGNESIUM (MG) DIS	11.0
MAGNESIUM (MG) TRC	19.0
SODIUM (NA) DIS	16.0
SODIUM (NA) TRC	8.0
POTASSIUM (K) DIS	21.0
POTASSIUM (K) TRC	24.0
TOTAL ALKALINITY AS CACO3	190.0
BICARBONATE (HCO3)	230.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	14.7
ARSENIC (AS) DIS	0.007
ARSENIC (AS) TRC	0.014
BARIUM (BA) DIS	0.308
BARIUM (BA) TRC	0.527
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.04
BORON (B) TRC	0.06
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00042
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.026
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.034
IRON (FE) DIS	9.14
IRON (FE) TRC	30.2
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0179
MANGANESE (MN) DIS	1.71
MANGANESE (MN) TRC	2.1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:20
LAB	EL
LAB NUMBER	2080485005
SAMPLE NUMBER	OCC-1208-204

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.04
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.03
ZINC (ZN) TRC	0.23

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-5
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:40
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-217

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:55
LAB	EL
LAB NUMBER	2080485006
SAMPLE NUMBER	OCC-1208-205
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.3
PH	7.3
SODIUM ADSORPTION RATIO	0.06
SC (UMHOS/CM AT 25 C)	213.0
SC (UMHOS/CM AT 25 C) (FLD)	230.0
TDS (MEASURED AT 180 C)	132.0
TOTAL SUSPENDED SOLIDS	1970.0
TURBIDITY (NTU)	4290.0
WATER TEMPERATURE (FLD)	26.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	25.0
CALCIUM (CA) TRC	27.0
MAGNESIUM (MG) DIS	5.0
MAGNESIUM (MG) TRC	6.0
SODIUM (NA) DIS	2.0
SODIUM (NA) TRC	1.0
POTASSIUM (K) DIS	9.0
POTASSIUM (K) TRC	9.0
TOTAL ALKALINITY AS CACO3	100.0
BICARBONATE (HCO3)	120.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	<5.0
CHLORIDE (CL)	2.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.12
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	3.0
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.109
BARIUM (BA) TRC	0.146
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.04
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00009
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.007
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.005
IRON (FE) DIS	2.28
IRON (FE) TRC	7.82
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0031
MANGANESE (MN) DIS	0.473
MANGANESE (MN) TRC	0.542

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:55
LAB	EL
LAB NUMBER	2080485006
SAMPLE NUMBER	OCC-1208-205

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7
SAMPLE DATE	08/28/2012
SAMPLE TIME	14:50
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-218

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	08/28/2012
SAMPLE TIME	15:25
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-219

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	08/28/2012
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	2080485010
SAMPLE NUMBER	OCC-1208-209
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.43
PH	7.4
SODIUM ADSORPTION RATIO	9.36
SC (UMHOS/CM AT 25 C)	6900.0
SC (UMHOS/CM AT 25 C) (FLD)	6830.0
TDS (MEASURED AT 180 C)	7270.0
TOTAL SUSPENDED SOLIDS	540.0
TURBIDITY (NTU)	273.0
WATER TEMPERATURE (FLD)	20.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	237.0
CALCIUM (CA) TRC	357.0
MAGNESIUM (MG) DIS	391.0
MAGNESIUM (MG) TRC	896.0
SODIUM (NA) DIS	1010.0
SODIUM (NA) TRC	1850.0
POTASSIUM (K) DIS	72.0
POTASSIUM (K) TRC	72.0
TOTAL ALKALINITY AS CACO3	300.0
BICARBONATE (HCO3)	370.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	4500.0
CHLORIDE (CL)	51.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.0
ARSENIC (AS) DIS	0.008
ARSENIC (AS) TRC	0.009
BARIUM (BA) DIS	0.07
BARIUM (BA) TRC	0.078
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.16
BORON (B) TRC	0.33
CADMIUM (CD) DIS	<0.0002
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	0.002
CHROMIUM (CR) TRC	0.004
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.006
IRON (FE) DIS	0.06
IRON (FE) TRC	1.51
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0012
MANGANESE (MN) DIS	1.15
MANGANESE (MN) TRC	1.15
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	08/28/2012
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	2080485010
SAMPLE NUMBER	OCC-1208-209

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	0.01
NICKEL (NI) TRC	0.02
SELENIUM (SE) DIS	0.012
SELENIUM (SE) TRC	0.024
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.01
ZINC (ZN) TRC	0.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10
SAMPLE DATE	08/28/2012
SAMPLE TIME	16:40
LAB	EL
LAB NUMBER	2080485009
SAMPLE NUMBER	OCC-1208-208
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.64
PH	7.6
SODIUM ADSORPTION RATIO	0.58
SC (UMHOS/CM AT 25 C)	560.0
SC (UMHOS/CM AT 25 C) (FLD)	577.0
TDS (MEASURED AT 180 C)	354.0
TOTAL SUSPENDED SOLIDS	2440.0
TURBIDITY (NTU)	2600.0
WATER TEMPERATURE (FLD)	22.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	59.0
CALCIUM (CA) TRC	61.0
MAGNESIUM (MG) DIS	16.0
MAGNESIUM (MG) TRC	17.0
SODIUM (NA) DIS	19.0
SODIUM (NA) TRC	18.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	14.0
TOTAL ALKALINITY AS CACO3	140.0
BICARBONATE (HCO3)	170.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	130.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.4
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.36
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.5
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.003
BARIUM (BA) DIS	0.114
BARIUM (BA) TRC	0.149
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.05
BORON (B) TRC	0.07
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.002
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.007
IRON (FE) DIS	0.4
IRON (FE) TRC	2.65
LEAD (PB) DIS	0.0014
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.012
MANGANESE (MN) TRC	0.275

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10
SAMPLE DATE	08/28/2012
SAMPLE TIME	16:40
LAB	EL
LAB NUMBER	2080485009
SAMPLE NUMBER	OCC-1208-208

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.03

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	08/28/2012
SAMPLE TIME	15:45
LAB	EL
LAB NUMBER	2080485007
SAMPLE NUMBER	OCC-1208-206
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.34
PH	7.7
SODIUM ADSORPTION RATIO	6.72
SC (UMHOS/CM AT 25 C)	3990.0
SC (UMHOS/CM AT 25 C) (FLD)	3920.0
TDS (MEASURED AT 180 C)	2870.0
TOTAL SUSPENDED SOLIDS	1000.0
TURBIDITY (NTU)	3260.0
WATER TEMPERATURE (FLD)	21.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	123.0
CALCIUM (CA) TRC	129.0
MAGNESIUM (MG) DIS	213.0
MAGNESIUM (MG) TRC	221.0
SODIUM (NA) DIS	532.0
SODIUM (NA) TRC	533.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	910.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.7
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	6.3
ARSENIC (AS) DIS	0.012
ARSENIC (AS) TRC	0.014
BARIUM (BA) DIS	0.05
BARIUM (BA) TRC	0.109
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.42
BORON (B) TRC	0.44
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00011
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.013
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.011
IRON (FE) DIS	1.13
IRON (FE) TRC	9.27
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0052
MANGANESE (MN) DIS	1.16
MANGANESE (MN) TRC	1.45

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	08/28/2012
SAMPLE TIME	15:45
LAB	EL
LAB NUMBER	2080485007
SAMPLE NUMBER	OCC-1208-206

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.07
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12
SAMPLE DATE	08/28/2012
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	2080485008
SAMPLE NUMBER	OCC-1208-207
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.7
PH	7.8
SODIUM ADSORPTION RATIO	2.73
SC (UMHOS/CM AT 25 C)	1900.0
SC (UMHOS/CM AT 25 C) (FLD)	2020.0
TDS (MEASURED AT 180 C)	1340.0
TOTAL SUSPENDED SOLIDS	2630.0
TURBIDITY (NTU)	1460.0
WATER TEMPERATURE (FLD)	28.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	66.0
CALCIUM (CA) TRC	68.0
MAGNESIUM (MG) DIS	50.0
MAGNESIUM (MG) TRC	50.0
SODIUM (NA) DIS	130.0
SODIUM (NA) TRC	121.0
POTASSIUM (K) DIS	11.0
POTASSIUM (K) TRC	11.0
TOTAL ALKALINITY AS CACO3	180.0
BICARBONATE (HCO3)	220.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	560.0
CHLORIDE (CL)	4.0
FLUORIDE (F)	0.4
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.36
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.7
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.048
BARIUM (BA) TRC	0.056
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.12
BORON (B) TRC	0.13
CADMIUM (CD) DIS	0.0001
CADMIUM (CD) TRC	0.00012
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.003
IRON (FE) DIS	0.79
IRON (FE) TRC	2.14
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0008
MANGANESE (MN) DIS	0.05
MANGANESE (MN) TRC	0.235

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12
SAMPLE DATE	08/28/2012
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	2080485008
SAMPLE NUMBER	OCC-1208-207

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.03

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	08/28/2012
SAMPLE TIME	13:50
LAB	EL
LAB NUMBER	2080485004
SAMPLE NUMBER	OCC-1208-203
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.09
PH	7.9
SODIUM ADSORPTION RATIO	9.35
SC (UMHOS/CM AT 25 C)	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3400.0
TDS (MEASURED AT 180 C)	2700.0
TOTAL SUSPENDED SOLIDS	912.0
TURBIDITY (NTU)	274.0
WATER TEMPERATURE (FLD)	31.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	100.0
CALCIUM (CA) TRC	111.0
MAGNESIUM (MG) DIS	100.0
MAGNESIUM (MG) TRC	110.0
SODIUM (NA) DIS	580.0
SODIUM (NA) TRC	563.0
POTASSIUM (K) DIS	19.0
POTASSIUM (K) TRC	21.0
TOTAL ALKALINITY AS CACO3	210.0
BICARBONATE (HCO3)	260.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.74
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	8.6
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.006
BARIUM (BA) DIS	0.091
BARIUM (BA) TRC	0.202
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.13
BORON (B) TRC	0.16
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0002
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.012
COPPER (CU) DIS	0.006
COPPER (CU) TRC	0.019
IRON (FE) DIS	0.14
IRON (FE) TRC	10.5
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0081
MANGANESE (MN) DIS	0.019
MANGANESE (MN) TRC	0.481

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	08/28/2012
SAMPLE TIME	13:50
LAB	EL
LAB NUMBER	2080485004
SAMPLE NUMBER	OCC-1208-203

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.02
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.02
ZINC (ZN) TRC	0.15

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14
SAMPLE DATE	08/27/2012
SAMPLE TIME	15:20
LAB	EL
LAB NUMBER	2080485001
SAMPLE NUMBER	OCC-1208-200

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.34
PH	7.7
SODIUM ADSORPTION RATIO	0.16
SC (UMHOS/CM AT 25 C)	287.0
SC (UMHOS/CM AT 25 C) (FLD)	494.0
TDS (MEASURED AT 180 C)	180.0
TOTAL SUSPENDED SOLIDS	92.0
TURBIDITY (NTU)	331.0
	H
WATER TEMPERATURE (FLD)	29.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	33.0
CALCIUM (CA) TRC	36.0
MAGNESIUM (MG) DIS	7.0
MAGNESIUM (MG) TRC	10.0
SODIUM (NA) DIS	4.0
SODIUM (NA) TRC	3.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	10.0
TOTAL ALKALINITY AS CACO3	120.0
BICARBONATE (HCO3)	150.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	9.0
CHLORIDE (CL)	2.0
FLUORIDE (F)	0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	2.59
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	2.7
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.14
BARIUM (BA) TRC	0.165
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.04
BORON (B) TRC	0.07
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.004
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.008
IRON (FE) DIS	0.59
IRON (FE) TRC	3.22
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0026

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	09/06/2012
SAMPLE TIME	13:10
LAB	EL
LAB NUMBER	2090092019
SAMPLE NUMBER	OCC-1209-718
-- PHYSICAL PARAMETERS --	
PH (FLD)	8.67
PH	8.7
SODIUM ADSORPTION RATIO	8.18
SC (UMHOS/CM AT 25 C)	4320.0
SC (UMHOS/CM AT 25 C) (FLD)	4360.0
TDS (MEASURED AT 180 C)	3450.0
TOTAL SUSPENDED SOLIDS	32.0
TURBIDITY (NTU)	10.0
WATER TEMPERATURE (FLD)	17.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	51.0
MAGNESIUM (MG) DIS	302.0
SODIUM (NA) DIS	696.0
POTASSIUM (K) DIS	29.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	590.0
CARBONATE AS CO3	66.0
SULFATE (SO4)	2300.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.7
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.041
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.63
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.061
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	08/27/2012
SAMPLE TIME	15:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-220

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19
SAMPLE DATE	08/27/2012
SAMPLE TIME	18:15
LAB	EL
LAB NUMBER	2080485002
SAMPLE NUMBER	OCC-1208-201

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	8.3
PH (FLD)	7.56
PH	7.6
SC (UMHOS/CM AT 25 C)	1310.0
SC (UMHOS/CM AT 25 C) (FLD)	1371.0
TDS (MEASURED AT 180 C)	856.0
TOTAL SUSPENDED SOLIDS	26.0
TURBIDITY (NTU)	26.4
WATER TEMPERATURE (FLD)	28.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	70.0
MAGNESIUM (MG) DIS	28.0
SODIUM (NA) DIS	161.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	140.0
BICARBONATE (HCO3)	170.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	530.0
CHLORIDE (CL)	4.0
FLUORIDE (F)	0.2

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.166
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.05
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.003
IRON (FE) DIS	0.41
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.039
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20
SAMPLE DATE	08/28/2012
SAMPLE TIME	17:43
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-224

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-21
SAMPLE DATE	08/27/2012
SAMPLE TIME	17:20
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-223

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22
SAMPLE DATE	08/29/2012	09/06/2012
SAMPLE TIME	09:50	14:00
LAB	HYDRO	EL
LAB NUMBER		2090092020
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1208-215	OCC-1209-719
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)		8.4
PH		8.4
SODIUM ADSORPTION RATIO		6.56
SC (UMHOS/CM AT 25 C)		3790.0
SC (UMHOS/CM AT 25 C) (FLD)		3870.0
TDS (MEASURED AT 180 C)		2910.0
TOTAL SUSPENDED SOLIDS		64.0
TURBIDITY (NTU)		43.0
WATER TEMPERATURE (FLD)		20.3
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		94.0
MAGNESIUM (MG) DIS		310.0
SODIUM (NA) DIS		534.0
POTASSIUM (K) DIS		25.0
TOTAL ALKALINITY AS CACO3		610.0
BICARBONATE (HCO3)		670.0
CARBONATE AS CO3		39.0
SULFATE (SO4)		1900.0
CHLORIDE (CL)		15.0
FLUORIDE (F)		0.7
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		0.9
ARSENIC (AS) DIS		0.006
BARIUM (BA) DIS		0.062
BERYLLIUM (BE) DIS		<0.001
BORON (B) DIS		0.49
CADMIUM (CD) DIS		<0.00008
CHROMIUM (CR) DIS		0.002
COPPER (CU) DIS		0.003
IRON (FE) DIS		1.34
LEAD (PB) DIS		0.0012
MANGANESE (MN) DIS		0.287
MERCURY (HG) DIS		<0.00005
MOLYBDENUM (MO) DIS		0.006
NICKEL (NI) DIS		<0.01
SELENIUM (SE) DIS		<0.001
VANADIUM (V) DIS		<0.1
ZINC (ZN) DIS		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23
SAMPLE DATE	08/27/2012
SAMPLE TIME	17:20
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-222

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24
SAMPLE DATE	08/28/2012
SAMPLE TIME	12:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-216

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1
SAMPLE DATE	09/05/2012
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	2090092004
SAMPLE NUMBER	OCC-1209-703
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.93
PH (FLD)	7.55
PH	7.7
SODIUM ADSORPTION RATIO	8.98
SC (UMHOS/CM AT 25 C)	2330.0
SC (UMHOS/CM AT 25 C) (FLD)	2270.0
TDS (MEASURED AT 180 C)	1610.0
WATER TEMPERATURE (FLD)	13.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	47.0
MAGNESIUM (MG) DIS	71.0
SODIUM (NA) DIS	417.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	840.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	650.0
CHLORIDE (CL)	70.0
FLUORIDE (F)	2.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.19
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.04
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.01
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.011
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.005
VANADIUM (V) DIS	0.3
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A3	A3
SAMPLE DATE	08/29/2012	09/06/2012
SAMPLE TIME	10:03	15:40
LAB	HYDRO	EL
LAB NUMBER		2090092023
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1208-212	OCC-1209-722
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	7.66	7.9
PH (FLD)		7.59
PH		7.5
SODIUM ADSORPTION RATIO		5.54
SC (UMHOS/CM AT 25 C)		3140.0
SC (UMHOS/CM AT 25 C) (FLD)		3100.0
TDS (MEASURED AT 180 C)		2390.0
WATER TEMPERATURE (FLD)		11.2
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		125.0
MAGNESIUM (MG) DIS		187.0
SODIUM (NA) DIS		419.0
POTASSIUM (K) DIS		20.0
TOTAL ALKALINITY AS CACO3		620.0
BICARBONATE (HCO3)		760.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		1500.0
CHLORIDE (CL)		5.0
FLUORIDE (F)		0.6
HYDROXIDE (OH)		<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ARSENIC (AS) DIS		0.004
BARIUM (BA) DIS		0.014
BERYLLIUM (BE) DIS		<0.001
BORON (B) DIS		0.49
CADMIUM (CD) DIS		<0.00008
CHROMIUM (CR) DIS		<0.001
COPPER (CU) DIS		<0.001
IRON (FE) DIS		2.4
LEAD (PB) DIS		<0.0005
MANGANESE (MN) DIS		0.254
MERCURY (HG) DIS		<0.00005
MOLYBDENUM (MO) DIS		<0.005
NICKEL (NI) DIS		<0.01
SELENIUM (SE) DIS		<0.001
VANADIUM (V) DIS		<0.1
ZINC (ZN) DIS		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	09/06/2012
SAMPLE TIME	15:05
LAB	EL
LAB NUMBER	2090092022
SAMPLE NUMBER	OCC-1209-721
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.71
PH (FLD)	7.64
PH	7.5
SODIUM ADSORPTION RATIO	4.95
SC (UMHOS/CM AT 25 C)	2870.0
SC (UMHOS/CM AT 25 C) (FLD)	2850.0
TDS (MEASURED AT 180 C)	2320.0
WATER TEMPERATURE (FLD)	10.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	115.0
MAGNESIUM (MG) DIS	182.0
SODIUM (NA) DIS	366.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.07
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.44
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.32
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	09/06/2012
SAMPLE TIME	08:50
LAB	EL
LAB NUMBER	2090092012
SAMPLE NUMBER	OCC-1209-711
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.1
PH (FLD)	7.4
PH	7.3
SODIUM ADSORPTION RATIO	6.02
SC (UMHOS/CM AT 25 C)	3520.0
SC (UMHOS/CM AT 25 C) (FLD)	3460.0
TDS (MEASURED AT 180 C)	2740.0
WATER TEMPERATURE (FLD)	9.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	172.0
MAGNESIUM (MG) DIS	190.0
SODIUM (NA) DIS	482.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	830.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.36
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	0.26
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	09/05/2012
SAMPLE TIME	17:20
LAB	EL
LAB NUMBER	2090092011
SAMPLE NUMBER	OCC-1209-710
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.79
PH (FLD)	7.44
PH	7.5
SODIUM ADSORPTION RATIO	9.24
SC (UMHOS/CM AT 25 C)	5250.0
SC (UMHOS/CM AT 25 C) (FLD)	5150.0
TDS (MEASURED AT 180 C)	4200.0
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	164.0
MAGNESIUM (MG) DIS	290.0
SODIUM (NA) DIS	851.0
POTASSIUM (K) DIS	26.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	920.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2900.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.04
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	09/06/2012
SAMPLE TIME	16:45
LAB	EL
LAB NUMBER	2090092024
SAMPLE NUMBER	OCC-1209-723
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.77
PH (FLD)	7.67
PH	7.5
SODIUM ADSORPTION RATIO	6.95
SC (UMHOS/CM AT 25 C)	3610.0
SC (UMHOS/CM AT 25 C) (FLD)	3540.0
TDS (MEASURED AT 180 C)	2700.0
WATER TEMPERATURE (FLD)	10.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	130.0
MAGNESIUM (MG) DIS	196.0
SODIUM (NA) DIS	537.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.42
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.522
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	09/05/2012
SAMPLE TIME	09:00
LAB	EL
LAB NUMBER	2090092001
SAMPLE NUMBER	OCC-1209-700
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.54
PH (FLD)	7.55
PH	7.6
SODIUM ADSORPTION RATIO	5.27
SC (UMHOS/CM AT 25 C)	1640.0
SC (UMHOS/CM AT 25 C) (FLD)	1720.0
TDS (MEASURED AT 180 C)	1130.0
WATER TEMPERATURE (FLD)	10.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	57.0
MAGNESIUM (MG) DIS	65.0
SODIUM (NA) DIS	245.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.58
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.73
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.188
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	09/05/2012
SAMPLE TIME	10:00
LAB	EL
LAB NUMBER	2090092002
SAMPLE NUMBER	OCC-1209-701
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.42
PH (FLD)	7.22
PH	7.5
SODIUM ADSORPTION RATIO	6.02
SC (UMHOS/CM AT 25 C)	3060.0
SC (UMHOS/CM AT 25 C) (FLD)	2990.0
TDS (MEASURED AT 180 C)	2430.0
WATER TEMPERATURE (FLD)	9.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	106.0
MAGNESIUM (MG) DIS	167.0
SODIUM (NA) DIS	427.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	480.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.52
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.42
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.73
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	09/05/2012
SAMPLE TIME	15:33
LAB	EL
LAB NUMBER	2090092008
SAMPLE NUMBER	OCC-1209-707

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	11.76
PH (FLD)	7.3
PH	7.4
SODIUM ADSORPTION RATIO	6.38
SC (UMHOS/CM AT 25 C)	4520.0
SC (UMHOS/CM AT 25 C) (FLD)	4470.0
TDS (MEASURED AT 180 C)	3900.0
WATER TEMPERATURE (FLD)	11.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	200.0
MAGNESIUM (MG) DIS	312.0
SODIUM (NA) DIS	620.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	850.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2500.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.34
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.83
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.58
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	09/05/2012
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	2090092003
SAMPLE NUMBER	OCC-1209-702
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	14.19
PH (FLD)	6.97
PH	7.4
SODIUM ADSORPTION RATIO	3.01
SC (UMHOS/CM AT 25 C)	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1420.0
TDS (MEASURED AT 180 C)	961.0
WATER TEMPERATURE (FLD)	9.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	74.0
SODIUM (NA) DIS	154.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	430.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	460.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.88
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.6
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.22
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.058
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	09/05/2012
SAMPLE TIME	12:40
LAB	EL
LAB NUMBER	2090092005
SAMPLE NUMBER	OCC-1209-704
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.74
PH (FLD)	7.55
PH	7.6
SODIUM ADSORPTION RATIO	6.53
SC (UMHOS/CM AT 25 C)	2820.0
SC (UMHOS/CM AT 25 C) (FLD)	2740.0
TDS (MEASURED AT 180 C)	1940.0
WATER TEMPERATURE (FLD)	11.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	101.0
MAGNESIUM (MG) DIS	130.0
SODIUM (NA) DIS	421.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.85
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.165
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	09/18/2012
SAMPLE TIME	19:09
LAB	EL
LAB NUMBER	2090328005
SAMPLE NUMBER	OCC-1209-530
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	39.73
PH (FLD)	7.41
PH	7.8
SODIUM ADSORPTION RATIO	1.86
SC (UMHOS/CM AT 25 C)	1440.0
SC (UMHOS/CM AT 25 C) (FLD)	1370.0
TDS (MEASURED AT 180 C)	970.0
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	63.0
MAGNESIUM (MG) DIS	96.0
SODIUM (NA) DIS	101.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	290.0
BICARBONATE (HCO3)	340.0
CARBONATE AS CO3	4.0
SULFATE (SO4)	520.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	3.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.026
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.017
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	09/06/2012
SAMPLE TIME	16:05
LAB	EL
LAB NUMBER	2090100011
SAMPLE NUMBER	OCC-1209-510
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.66
PH (FLD)	8.1
PH	8.2
SODIUM ADSORPTION RATIO	51.5
SC (UMHOS/CM AT 25 C)	4480.0
SC (UMHOS/CM AT 25 C) (FLD)	4660.0
TDS (MEASURED AT 180 C)	3200.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	24.0
MAGNESIUM (MG) DIS	8.0
SODIUM (NA) DIS	1120.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.25
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.042
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	09/06/2012
SAMPLE TIME	17:50
LAB	EL
LAB NUMBER	2090100012
SAMPLE NUMBER	OCC-1209-511
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.98
PH (FLD)	8.6
PH	8.3
SODIUM ADSORPTION RATIO	45.5
SC (UMHOS/CM AT 25 C)	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1172.0
TDS (MEASURED AT 180 C)	671.0
WATER TEMPERATURE (FLD)	16.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	294.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	690.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	32.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.061
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	09/17/2012
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	2090326001
SAMPLE NUMBER	OCC-1209-512
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.41
PH (FLD)	7.05
PH	7.2
SODIUM ADSORPTION RATIO	25.2
SC (UMHOS/CM AT 25 C)	6900.0
SC (UMHOS/CM AT 25 C) (FLD)	6430.0
TDS (MEASURED AT 180 C)	5630.0
WATER TEMPERATURE (FLD)	16.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	142.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	1460.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3000.0
CHLORIDE (CL)	34.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.64
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.006
IRON (FE) DIS	1.07
LEAD (PB) DIS	0.0009
MANGANESE (MN) DIS	0.123
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.08

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U	B3-U
SAMPLE DATE	09/17/2012	09/17/2012
SAMPLE TIME	17:20	17:25
LAB	EL	EL
LAB NUMBER	2090326002	2090326004
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1209-513	OCC-1209-515
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	196.35	
PH (FLD)	8.38	
PH	8.4	8.4
SODIUM ADSORPTION RATIO	44.1	44.6
SC (UMHOS/CM AT 25 C)	1210.0	1210.0
SC (UMHOS/CM AT 25 C) (FLD)	1120.0	
TDS (MEASURED AT 180 C)	690.0	688.0
WATER TEMPERATURE (FLD)	17.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	2.0	2.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	294.0	299.0
POTASSIUM (K) DIS	1.0	1.0
TOTAL ALKALINITY AS CACO3	650.0	650.0
BICARBONATE (HCO3)	730.0	720.0
CARBONATE AS CO3	35.0	36.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	12.0	12.0
FLUORIDE (F)	2.0	2.0
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.067	0.067
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.14	0.14
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.017	0.019
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	08/28/2012
SAMPLE TIME	09:21
LAB	EL
LAB NUMBER	2080488001
SAMPLE NUMBER	OCC-1208-300
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.11
PH (FLD)	7.68
PH	7.8
SODIUM ADSORPTION RATIO	26.7
SC (UMHOS/CM AT 25 C)	5310.0
SC (UMHOS/CM AT 25 C) (FLD)	5260.0
TDS (MEASURED AT 180 C)	3640.0
WATER TEMPERATURE (FLD)	16.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	72.0
MAGNESIUM (MG) DIS	37.0
SODIUM (NA) DIS	1120.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	950.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2100.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.009
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.47
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.067
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	08/29/2012
SAMPLE TIME	10:00
LAB	EL
LAB NUMBER	2080488006
SAMPLE NUMBER	OCC-1208-305
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.34
PH (FLD)	6.91
PH	7.0
SODIUM ADSORPTION RATIO	3.89
SC (UMHOS/CM AT 25 C)	4410.0
SC (UMHOS/CM AT 25 C) (FLD)	4293.0
TDS (MEASURED AT 180 C)	3630.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	153.0
MAGNESIUM (MG) DIS	418.0
SODIUM (NA) DIS	410.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.059
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	08/29/2012
SAMPLE TIME	10:05
LAB	EL
LAB NUMBER	2080488005
SAMPLE NUMBER	OCC-1208-304
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.56
PH (FLD)	8.31
PH	8.4
SODIUM ADSORPTION RATIO	44.9
SC (UMHOS/CM AT 25 C)	2200.0
SC (UMHOS/CM AT 25 C) (FLD)	2194.0
TDS (MEASURED AT 180 C)	1360.0
WATER TEMPERATURE (FLD)	15.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	507.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	870.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	440.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.004
IRON (FE) DIS	<0.05
LEAD (PB) DIS	0.0006
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	08/28/2012
SAMPLE TIME	17:22
LAB	EL
LAB NUMBER	2080488004
SAMPLE NUMBER	OCC-1208-303
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.35
PH (FLD)	8.15
PH	8.2
SODIUM ADSORPTION RATIO	51.5
SC (UMHOS/CM AT 25 C)	1350.0
SC (UMHOS/CM AT 25 C) (FLD)	1325.0
TDS (MEASURED AT 180 C)	802.0
WATER TEMPERATURE (FLD)	17.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	327.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	<2.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.08
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	09/18/2012
SAMPLE TIME	08:00
LAB	EL
LAB NUMBER	2090326005
SAMPLE NUMBER	OCC-1209-516
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	143.06
PH (FLD)	7.47
PH	8.2
SODIUM ADSORPTION RATIO	48.3
SC (UMHOS/CM AT 25 C)	2490.0
SC (UMHOS/CM AT 25 C) (FLD)	2250.0
TDS (MEASURED AT 180 C)	1510.0
WATER TEMPERATURE (FLD)	9.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	3.0
SODIUM (NA) DIS	581.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	910.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	25.0
SULFATE (SO4)	340.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	4.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.041
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.18
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.034
IRON (FE) DIS	0.07
LEAD (PB) DIS	0.0007
MANGANESE (MN) DIS	0.142
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	08/29/2012
SAMPLE TIME	13:25
LAB	EL
LAB NUMBER	2080488008
SAMPLE NUMBER	OCC-1208-307
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.4
PH (FLD)	8.67
PH	8.5
SODIUM ADSORPTION RATIO	44.3
SC (UMHOS/CM AT 25 C)	1080.0
SC (UMHOS/CM AT 25 C) (FLD)	1060.0
TDS (MEASURED AT 180 C)	607.0
WATER TEMPERATURE (FLD)	19.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	254.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	<2.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	08/28/2012
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	2080488003
SAMPLE NUMBER	OCC-1208-302
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	128.06
PH (FLD)	8.12
PH	8.2
SODIUM ADSORPTION RATIO	51.1
SC (UMHOS/CM AT 25 C)	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	1478.0
TDS (MEASURED AT 180 C)	886.0
WATER TEMPERATURE (FLD)	18.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	368.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	860.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	7.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.096
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	08/28/2012
SAMPLE TIME	13:55
LAB	EL
LAB NUMBER	2080488002
SAMPLE NUMBER	OCC-1208-301
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.92
PH (FLD)	8.14
PH	8.1
SODIUM ADSORPTION RATIO	48.7
SC (UMHOS/CM AT 25 C)	5360.0
SC (UMHOS/CM AT 25 C) (FLD)	5190.0
TDS (MEASURED AT 180 C)	3510.0
WATER TEMPERATURE (FLD)	20.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	25.0
MAGNESIUM (MG) DIS	13.0
SODIUM (NA) DIS	1190.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.23
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.107
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	08/29/2012
SAMPLE TIME	11:55
LAB	EL
LAB NUMBER	2080488007
SAMPLE NUMBER	OCC-1208-306
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.34
PH (FLD)	8.64
PH	8.6
SODIUM ADSORPTION RATIO	41.9
SC (UMHOS/CM AT 25 C)	977.0
SC (UMHOS/CM AT 25 C) (FLD)	962.0
TDS (MEASURED AT 180 C)	531.0
WATER TEMPERATURE (FLD)	20.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	234.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	590.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	09/18/2012
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	2090326011
SAMPLE NUMBER	OCC-1209-522
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	208.21
PH (FLD)	8.13
PH	8.4
SODIUM ADSORPTION RATIO	44.8
SC (UMHOS/CM AT 25 C)	1580.0
SC (UMHOS/CM AT 25 C) (FLD)	1452.0
TDS (MEASURED AT 180 C)	893.0
WATER TEMPERATURE (FLD)	18.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	345.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	340.0
BICARBONATE (HCO3)	370.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	420.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	09/18/2012
SAMPLE TIME	17:10
LAB	EL
LAB NUMBER	2090326012
SAMPLE NUMBER	OCC-1209-523
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.55
PH (FLD)	7.93
PH	8.2
SODIUM ADSORPTION RATIO	49.7
SC (UMHOS/CM AT 25 C)	1900.0
SC (UMHOS/CM AT 25 C) (FLD)	1717.0
TDS (MEASURED AT 180 C)	1110.0
WATER TEMPERATURE (FLD)	17.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	457.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	110.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.051
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-0
SAMPLE DATE	09/18/2012
SAMPLE TIME	18:05
LAB	EL
LAB NUMBER	2090326013
SAMPLE NUMBER	OCC-1209-524
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.98
PH (FLD)	7.87
PH	8.1
SODIUM ADSORPTION RATIO	50.9
SC (UMHOS/CM AT 25 C)	5060.0
SC (UMHOS/CM AT 25 C) (FLD)	4760.0
TDS (MEASURED AT 180 C)	2890.0
WATER TEMPERATURE (FLD)	17.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1150.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	890.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	5.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.078
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	09/18/2012
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	2090326010
SAMPLE NUMBER	OCC-1209-521
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.7
PH (FLD)	8.13
PH	8.5
SODIUM ADSORPTION RATIO	46.5
SC (UMHOS/CM AT 25 C)	971.0
SC (UMHOS/CM AT 25 C) (FLD)	918.0
TDS (MEASURED AT 180 C)	545.0
WATER TEMPERATURE (FLD)	18.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	233.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	510.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	9.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.044
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	09/05/2012
SAMPLE TIME	15:20
LAB	EL
LAB NUMBER	2090100003
SAMPLE NUMBER	OCC-1209-502
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.83
PH (FLD)	8.4
PH	8.3
SODIUM ADSORPTION RATIO	36.5
SC (UMHOS/CM AT 25 C)	1580.0
SC (UMHOS/CM AT 25 C) (FLD)	1650.0
TDS (MEASURED AT 180 C)	1010.0
WATER TEMPERATURE (FLD)	16.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	380.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	24.0
SULFATE (SO4)	380.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	09/05/2012
SAMPLE TIME	18:55
LAB	EL
LAB NUMBER	2090100005
SAMPLE NUMBER	OCC-1209-504
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.27
PH (FLD)	7.5
PH	7.6
SODIUM ADSORPTION RATIO	5.68
SC (UMHOS/CM AT 25 C)	3070.0
SC (UMHOS/CM AT 25 C) (FLD)	3140.0
TDS (MEASURED AT 180 C)	2340.0
WATER TEMPERATURE (FLD)	14.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	180.0
MAGNESIUM (MG) DIS	154.0
SODIUM (NA) DIS	430.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.34
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.081
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	09/05/2012
SAMPLE TIME	19:25
LAB	EL
LAB NUMBER	2090100006
SAMPLE NUMBER	OCC-1209-505
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	75.4
PH (FLD)	7.9
PH	7.9
SODIUM ADSORPTION RATIO	3.52
SC (UMHOS/CM AT 25 C)	2220.0
SC (UMHOS/CM AT 25 C) (FLD)	2310.0
TDS (MEASURED AT 180 C)	1660.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	77.0
MAGNESIUM (MG) DIS	180.0
SODIUM (NA) DIS	247.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	420.0
BICARBONATE (HCO3)	510.0
CARBONATE AS CO3	3.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.28
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.068
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	09/05/2012
SAMPLE TIME	15:15
LAB	EL
LAB NUMBER	2090100004
SAMPLE NUMBER	OCC-1209-503
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	148.91
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	36.1
SC (UMHOS/CM AT 25 C)	1090.0
SC (UMHOS/CM AT 25 C) (FLD)	1156.0
TDS (MEASURED AT 180 C)	661.0
WATER TEMPERATURE (FLD)	18.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	271.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.07
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	09/05/2012
SAMPLE TIME	09:45
LAB	EL
LAB NUMBER	2090100001
SAMPLE NUMBER	OCC-1209-500
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.87
PH (FLD)	8.3
PH	8.3
SODIUM ADSORPTION RATIO	54.6
SC (UMHOS/CM AT 25 C)	1540.0
SC (UMHOS/CM AT 25 C) (FLD)	1622.0
TDS (MEASURED AT 180 C)	941.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	404.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	930.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	43.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.095
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.07
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	09/05/2012
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	2090100002
SAMPLE NUMBER	OCC-1209-501
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.4
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	35.1
SC (UMHOS/CM AT 25 C)	977.0
SC (UMHOS/CM AT 25 C) (FLD)	1025.0
TDS (MEASURED AT 180 C)	597.0
WATER TEMPERATURE (FLD)	20.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	268.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	2.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	1.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.063
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.6
LEAD (PB) DIS	0.0014
MANGANESE (MN) DIS	0.024
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	09/18/2012
SAMPLE TIME	10:00
LAB	EL
LAB NUMBER	2090326006
SAMPLE NUMBER	OCC-1209-517
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	58.67
PH (FLD)	8.11
PH	8.3
SODIUM ADSORPTION RATIO	47.0
SC (UMHOS/CM AT 25 C)	1500.0
SC (UMHOS/CM AT 25 C) (FLD)	1379.0
TDS (MEASURED AT 180 C)	873.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	369.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	810.0
BICARBONATE (HCO3)	900.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	2.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.126
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	09/18/2012
SAMPLE TIME	10:50
LAB	EL
LAB NUMBER	2090326007
SAMPLE NUMBER	OCC-1209-518
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.4
PH (FLD)	7.6
PH	7.9
SODIUM ADSORPTION RATIO	25.1
SC (UMHOS/CM AT 25 C)	5240.0
SC (UMHOS/CM AT 25 C) (FLD)	4820.0
TDS (MEASURED AT 180 C)	3830.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	91.0
MAGNESIUM (MG) DIS	42.0
SODIUM (NA) DIS	1150.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	14.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	4.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.056
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	0.011
IRON (FE) DIS	2.79
LEAD (PB) DIS	0.0032
MANGANESE (MN) DIS	0.066
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	09/18/2012
SAMPLE TIME	11:25
LAB	EL
LAB NUMBER	2090326008
SAMPLE NUMBER	OCC-1209-519
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.63
PH (FLD)	5.73
PH	5.8
SODIUM ADSORPTION RATIO	24.2
SC (UMHOS/CM AT 25 C)	3430.0
SC (UMHOS/CM AT 25 C) (FLD)	3170.0
TDS (MEASURED AT 180 C)	4190.0
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	34.0
MAGNESIUM (MG) DIS	29.0
SODIUM (NA) DIS	791.0
POTASSIUM (K) DIS	9.0
TOTAL ALKALINITY AS CACO3	350.0
BICARBONATE (HCO3)	430.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	13.9
ARSENIC (AS) DIS	0.207
BARIUM (BA) DIS	0.113
BERYLLIUM (BE) DIS	0.003
BORON (B) DIS	0.39
CADMIUM (CD) DIS	0.0004
CHROMIUM (CR) DIS	0.042
COPPER (CU) DIS	0.019
IRON (FE) DIS	55.8
LEAD (PB) DIS	0.0326
MANGANESE (MN) DIS	0.249
MERCURY (HG) DIS	0.00011
MOLYBDENUM (MO) DIS	0.029
NICKEL (NI) DIS	0.06
SELENIUM (SE) DIS	0.008
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.11

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	09/18/2012
SAMPLE TIME	12:10
LAB	EL
LAB NUMBER	2090326009
SAMPLE NUMBER	OCC-1209-520
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	63.6
PH (FLD)	8.02
PH	8.3
SODIUM ADSORPTION RATIO	45.0
SC (UMHOS/CM AT 25 C)	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1307.0
TDS (MEASURED AT 180 C)	800.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	337.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	62.0
FLUORIDE (F)	2.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.123
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	09/06/2012
SAMPLE TIME	12:15
LAB	EL
LAB NUMBER	2090100008
SAMPLE NUMBER	OCC-1209-507
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	192.11
PH (FLD)	8.4
PH	8.2
SODIUM ADSORPTION RATIO	50.3
SC (UMHOS/CM AT 25 C)	1040.0
SC (UMHOS/CM AT 25 C) (FLD)	1103.0
TDS (MEASURED AT 180 C)	647.0
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	277.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	700.0
CARBONATE AS CO3	28.0
SULFATE (SO4)	4.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.108
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	09/06/2012
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	2090100009
SAMPLE NUMBER	OCC-1209-508
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	110.91
PH (FLD)	7.9
PH	8.0
SODIUM ADSORPTION RATIO	39.5
SC (UMHOS/CM AT 25 C)	7090.0
SC (UMHOS/CM AT 25 C) (FLD)	7470.0
TDS (MEASURED AT 180 C)	5240.0
WATER TEMPERATURE (FLD)	15.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	71.0
MAGNESIUM (MG) DIS	33.0
SODIUM (NA) DIS	1610.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	740.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	3400.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	3.6
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.165
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.017
IRON (FE) DIS	3.05
LEAD (PB) DIS	0.0038
MANGANESE (MN) DIS	0.221
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.12

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	09/06/2012
SAMPLE TIME	11:15
LAB	EL
LAB NUMBER	2090100007
SAMPLE NUMBER	OCC-1209-506
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	176.0
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	37.6
SC (UMHOS/CM AT 25 C)	916.0
SC (UMHOS/CM AT 25 C) (FLD)	956.0
TDS (MEASURED AT 180 C)	571.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	237.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.058
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	09/06/2012
SAMPLE TIME	12:55
LAB	EL
LAB NUMBER	2090092016
SAMPLE NUMBER	OCC-1209-715
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.97
PH (FLD)	8.13
PH	7.3
SODIUM ADSORPTION RATIO	7.7
SC (UMHOS/CM AT 25 C)	2800.0
SC (UMHOS/CM AT 25 C) (FLD)	2740.0
TDS (MEASURED AT 180 C)	1970.0
WATER TEMPERATURE (FLD)	11.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	116.0
SODIUM (NA) DIS	455.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	5.7
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.064
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.028
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3	C-3
SAMPLE DATE	09/05/2012	09/05/2012
SAMPLE TIME	13:25	13:26
LAB	EL	EL
LAB NUMBER	2090092006	2090092007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1209-705	OCC-1209-706
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	104.37	
PH (FLD)	7.35	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	6.52	6.59
SC (UMHOS/CM AT 25 C)	3240.0	3250.0
SC (UMHOS/CM AT 25 C) (FLD)	3180.0	
TDS (MEASURED AT 180 C)	2510.0	2390.0
WATER TEMPERATURE (FLD)	13.4	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	112.0	113.0
MAGNESIUM (MG) DIS	172.0	173.0
SODIUM (NA) DIS	471.0	477.0
POTASSIUM (K) DIS	23.0	23.0
TOTAL ALKALINITY AS CACO3	620.0	620.0
BICARBONATE (HCO3)	760.0	760.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1500.0	1500.0
CHLORIDE (CL)	10.0	10.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.015	0.015
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.5	0.5
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	0.002	0.002
IRON (FE) DIS	2.83	2.82
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.416	0.417
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4
SAMPLE DATE	09/05/2012
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	2090092009
SAMPLE NUMBER	OCC-1209-708
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.9
PH (FLD)	7.41
PH	7.6
SODIUM ADSORPTION RATIO	7.34
SC (UMHOS/CM AT 25 C)	3880.0
SC (UMHOS/CM AT 25 C) (FLD)	3860.0
TDS (MEASURED AT 180 C)	3130.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	139.0
MAGNESIUM (MG) DIS	205.0
SODIUM (NA) DIS	582.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	840.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.91
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.356
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	09/06/2012
SAMPLE TIME	13:40
LAB	EL
LAB NUMBER	2090100010
SAMPLE NUMBER	OCC-1209-509
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	74.45
PH (FLD)	8.5
PH	8.3
SODIUM ADSORPTION RATIO	38.9
SC (UMHOS/CM AT 25 C)	1590.0
SC (UMHOS/CM AT 25 C) (FLD)	1643.0
TDS (MEASURED AT 180 C)	955.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	420.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	41.0
SULFATE (SO4)	99.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.182
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	09/18/2012
SAMPLE TIME	12:25
LAB	EL
LAB NUMBER	2090328002
SAMPLE NUMBER	OCC-1209-527
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	62.81
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	41.5
SC (UMHOS/CM AT 25 C)	1150.0
SC (UMHOS/CM AT 25 C) (FLD)	1110.0
TDS (MEASURED AT 180 C)	662.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	278.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	10.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	3.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.095
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	09/18/2012
SAMPLE TIME	13:01
LAB	EL
LAB NUMBER	2090328003
SAMPLE NUMBER	OCC-1209-528
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.39
PH (FLD)	6.76
PH	6.6
SODIUM ADSORPTION RATIO	3.33
SC (UMHOS/CM AT 25 C)	2090.0
SC (UMHOS/CM AT 25 C) (FLD)	1960.0
TDS (MEASURED AT 180 C)	1330.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	138.0
MAGNESIUM (MG) DIS	96.0
SODIUM (NA) DIS	208.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	730.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	600.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.31
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.91
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.094
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	09/18/2012
SAMPLE TIME	13:30
LAB	EL
LAB NUMBER	2090328004
SAMPLE NUMBER	OCC-1209-529
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	54.0
PH (FLD)	8.45
PH	8.5
SODIUM ADSORPTION RATIO	43.8
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1070.0
TDS (MEASURED AT 180 C)	643.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	259.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	440.0
BICARBONATE (HCO3)	480.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	3.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	0.0012
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	09/05/2012
SAMPLE TIME	16:35
LAB	EL
LAB NUMBER	2090092010
SAMPLE NUMBER	OCC-1209-709
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.73
PH (FLD)	8.0
PH	7.8
SODIUM ADSORPTION RATIO	44.1
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1330.0
TDS (MEASURED AT 180 C)	738.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	319.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	730.0
BICARBONATE (HCO3)	850.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.109
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.25
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	09/18/2012
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	2090328001
SAMPLE NUMBER	OCC-1209-526
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.94
PH (FLD)	7.24
PH	7.6
SODIUM ADSORPTION RATIO	12.8
SC (UMHOS/CM AT 25 C)	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3390.0
TDS (MEASURED AT 180 C)	2160.0
WATER TEMPERATURE (FLD)	14.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	77.0
MAGNESIUM (MG) DIS	75.0
SODIUM (NA) DIS	659.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	940.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	910.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	<1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.59
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.08
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	09/06/2012
SAMPLE TIME	11:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1209-725

-- PHYSICAL PARAMETERS --

FLOW	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P2
SAMPLE DATE	08/29/2012
SAMPLE TIME	10:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1208-214

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	09/06/2012
SAMPLE TIME	10:45
LAB	EL
LAB NUMBER	2090092014
SAMPLE NUMBER	OCC-1209-713

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.61
PH	8.0
SODIUM ADSORPTION RATIO	2.26
SC (UMHOS/CM AT 25 C)	625.0
SC (UMHOS/CM AT 25 C) (FLD)	777.0
TDS (MEASURED AT 180 C)	414.0
TOTAL SUSPENDED SOLIDS	28.0
TURBIDITY (NTU)	22.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	41.0
MAGNESIUM (MG) DIS	23.0
SODIUM (NA) DIS	69.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	240.0
BICARBONATE (HCO3)	290.0
CARBONATE AS CO3	5.0
SULFATE (SO4)	100.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.087
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.06
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.12
LEAD (PB) DIS	0.0006
MANGANESE (MN) DIS	0.097
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	09/06/2012
SAMPLE TIME	07:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1209-724

-- PHYSICAL PARAMETERS --

FLOW	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	09/06/2012
SAMPLE TIME	09:40
LAB	EL
LAB NUMBER	2090092013
SAMPLE NUMBER	OCC-1209-712
-- PHYSICAL PARAMETERS --	
PH (FLD)	9.83
PH	9.9
SODIUM ADSORPTION RATIO	20.4
SC (UMHOS/CM AT 25 C)	6480.0
SC (UMHOS/CM AT 25 C) (FLD)	6430.0
TDS (MEASURED AT 180 C)	4960.0
TOTAL SUSPENDED SOLIDS	24.0
TURBIDITY (NTU)	12.0
WATER TEMPERATURE (FLD)	15.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	80.0
MAGNESIUM (MG) DIS	171.0
SODIUM (NA) DIS	1410.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	190.0
BICARBONATE (HCO3)	75.0
CARBONATE AS CO3	76.0
SULFATE (SO4)	3500.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.008
BARIUM (BA) DIS	0.072
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.03
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.003
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	09/06/2012
SAMPLE TIME	14:20
LAB	EL
LAB NUMBER	2090092021
SAMPLE NUMBER	OCC-1209-720
-- PHYSICAL PARAMETERS --	
PH (FLD)	8.54
PH	8.6
SODIUM ADSORPTION RATIO	6.57
SC (UMHOS/CM AT 25 C)	3270.0
SC (UMHOS/CM AT 25 C) (FLD)	3360.0
TDS (MEASURED AT 180 C)	2580.0
TOTAL SUSPENDED SOLIDS	20.0
TURBIDITY (NTU)	3.0
WATER TEMPERATURE (FLD)	23.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	35.0
MAGNESIUM (MG) DIS	233.0
SODIUM (NA) DIS	488.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	49.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.008
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.59
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK
SAMPLE DATE	09/06/2012	09/17/2012
SAMPLE TIME	12:20	15:30
LAB	EL	EL
LAB NUMBER	2090092017	2090326003
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1209-716	OCC-1209-514
-- PHYSICAL PARAMETERS --		
PH	5.6	5.7
SODIUM ADSORPTION RATIO	0.05	0.62
SC (UMHOS/CM AT 25 C)	1.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK
SAMPLE DATE	09/06/2012
SAMPLE TIME	12:40
LAB	EL
LAB NUMBER	2090092018
REMARKS	BLANK
SAMPLE NUMBER	OCC-1209-717

-- PHYSICAL PARAMETERS --	
PH	5.4
SODIUM ADSORPTION RATIO	0.05
SC (UMHOS/CM AT 25 C)	1.0
TDS (MEASURED AT 180 C)	<4.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	<1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	<1.0
POTASSIUM (K) DIS	<1.0
TOTAL ALKALINITY AS CACO3	2.0
BICARBONATE (HCO3)	2.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	<1.0
FLUORIDE (F)	<0.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	<0.005
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	<0.01
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	08/29/2012
SAMPLE TIME	09:23
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
OTHER INFO	Fld Pars Only
SAMPLE NUMBER	OCC-1208-213

-- PHYSICAL PARAMETERS --

FLOW	NO MEAS
PH (FLD)	7.36
SC (UMHOS/CM AT 25 C) (FLD)	5170.0
WATER TEMPERATURE (FLD)	17.9

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	08/29/2012
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	2080485011
SAMPLE NUMBER	OCC-1208-210
-- PHYSICAL PARAMETERS --	
PH (FLD)	7.34
PH	7.4
SODIUM ADSORPTION RATIO	9.86
SC (UMHOS/CM AT 25 C)	9200.0
SC (UMHOS/CM AT 25 C) (FLD)	8620.0
TDS (MEASURED AT 180 C)	7980.0
TOTAL SUSPENDED SOLIDS	10.0
	H
TURBIDITY (NTU)	0.7
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	335.0
CALCIUM (CA) TRC	351.0
MAGNESIUM (MG) DIS	662.0
MAGNESIUM (MG) TRC	701.0
SODIUM (NA) DIS	1350.0
SODIUM (NA) TRC	1420.0
POTASSIUM (K) DIS	28.0
POTASSIUM (K) TRC	28.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	5800.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	11.7
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	1.16
BORON (B) TRC	1.16
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.003
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	08/29/2012
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	2080485011
SAMPLE NUMBER	OCC-1208-210

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.008
SELENIUM (SE) TRC	0.007
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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61	B7-KU	STATE B7-KU	Groundwater		
62	B7-O	STATE B7-O	Groundwater		
63	B7-U	STATE B7-U	Groundwater		
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OTTCRK - Otter Creek Coal 3rd Q ANALYSES SUMMARY REPORT

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82	OCC-1209-528	2090328003	09/18/2012	K-3	69	2090100002	OCC-1209-501	09/05/2012	B9-U
83	OCC-1209-529	2090328004	09/18/2012	K-4	64	2090100003	OCC-1209-502	09/05/2012	B8-KL
46	OCC-1209-530	2090328005	09/18/2012	B1-U	67	2090100004	OCC-1209-503	09/05/2012	B8-U
41	OCC-1209-700	2090092001	09/05/2012	AVF1-2	65	2090100005	OCC-1209-504	09/05/2012	B8-KU
42	OCC-1209-701	2090092002	09/05/2012	AVF2-2	66	2090100006	OCC-1209-505	09/05/2012	B8-O
44	OCC-1209-702	2090092003	09/05/2012	AVF5-1	76	2090100007	OCC-1209-506	09/06/2012	B11-U
35	OCC-1209-703	2090092004	09/05/2012	A1	74	2090100008	OCC-1209-507	09/06/2012	B11-K
45	OCC-1209-704	2090092005	09/05/2012	AVF6-3	75	2090100009	OCC-1209-508	09/06/2012	B11-O
78	OCC-1209-705	2090092006	09/05/2012	C-3	80	2090100010	OCC-1209-509	09/06/2012	K-1

OTTCRK - Otter Creek Coal 3rd Q ANALYSES SUMMARY REPORT

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79	OCC-1209-708	2090092009	09/05/2012	C-4
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39	OCC-1209-710	2090092011	09/05/2012	A6
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90	OCC-1209-712	2090092013	09/06/2012	P5
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93	OCC-1209-717	2090092018	09/06/2012	RINS BLANK
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Otter Creek Coal, LLC
October 2012 to December 2012 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

January 2013

Otter Creek Coal, LLC
October 2012 to December 2012 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 11/14/2012 through 12/06/2012
- Total number of samples taken at existing wells: 59 site samples, 3 field duplicates, 27 field observations, 4 DI and rinsate blanks, for a total of 93 samples.
- Frequency for field duplicates was 1 per 20 and 1 per 15 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 8 samples collected.

Violations involving field quality control:

- Boron, Dissolved was detected in DI Blanks OCC-1211-210A and OCC-1211-232. Affected samples are flagged with validation qualifier UJ1. Turbidity, Boron, TRC, and Cadmium, Dissolved were detected in DI Blank OCC-1212-404. However, per statistical analyses, the associated data was not affected and not qualified. Beryllium, Dissolved and Boron, TRC were detected in Rinsate Blank OCC-1212-409. However, per statistical analyses, the associated data was not affected and not qualified.
- Sample OCC-1212-402 and its duplicate OCC-1212-403, the RPD for the analyte Turbidity was 38.24% and was flagged with validation qualifier J4D for affected samples.
- Sample OCC-1211-235 and its duplicate OCC-1211-236, the RPD for the analyte Iron, Dissolved was 35.29% (PRDL) and was flagged with validation qualifiers J4D and UJ4D.

Violations involving laboratory quality control:

- For batches H12110252, H12120120, and H12120005, the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- H12120005-001 and H12120005-002 were analyzed outside of the Total Dissolved Solids (TDS) suggested holding time. A laboratory qualifier "H" was placed on these samples. A validation qualifier "J3" was placed on these samples.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 100%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the Analytical parameters, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.
- Per the Analytical Parameters, Acidity, Total as $CaCO_3$ should be tested for if pH<6.0. The samples that had pH<6.0 were not tested for that particular analyte.
- The laboratory flagged batch H12120120 with qualifier "L" for the analyte Turbidity, as the reporting limit was the lowest available reporting limit for the analytical method used.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary Of Flagged Data
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.
L	-	The reporting limit was the lowest available reporting limit for the analytical method used.

SITE CODE	A1	A1			
SAMPLE DATE	11/16/20	11/16/20			
LAB	EL	EL			
LAB NUMBER	2110252012	2110252013	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1211-211A	OCC-1211-212A	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.8	7.8	0.00%	x	
SODIUM ADSORPTION RATIO	9.11	9.3	2.06%	0.02	
SC (UMHOS/CM AT 25 C)	2420.0	2420.0	0.00%	x	
TDS (MEASURED AT 180 C)	1520.0	1500.0	1.32%	x	
CALCIUM (CA) DIS	43.0	42.0	2.35%	x	
MAGNESIUM (MG) DIS	72.0	71.0	1.40%	x	
POTASSIUM (K) DIS	24.0	24.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	730.0	730.0	0.00%	x	
BICARBONATE (HCO3)	850.0	850.0	0.00%	x	
CARBONATE AS CO3	19.0	20.0	5.13%	x	
SULFATE (SO4)	580	580	0.00%	x	
CHLORIDE (CL)	76	76	0.00%	x	
FLUORIDE (F)	2.6	2.6	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	1.3	1.32	1.53%	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ARSENIC (AS) DIS	0.045	0.044	2.25%	x	
BARIUM (BA) DIS	0.022	0.021	4.65%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.4	0.4	0.00%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	0.01	0.01	0.00%	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	<0.05	<0.05	UDL	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	<0.005	<0.005	UDL	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	0.011	0.011	0.00%	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	0.005	0.006	18.18%	x	
VANADIUM (V) DIS	0.3	0.3	0.00%	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	B7-KL	B7-KL			
SAMPLE DATE	11/30/20	11/30/20			
LAB	EL	EL			
LAB NUMBER	2120005026	2120005027	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1211-235	OCC-1211-236	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.4	8.4	0.00%	x	
SODIUM ADSORPTION RATIO	44.0	43.1	2.07%	0.02	
SC (UMHOS/CM AT 25 C)	1520.0	1510.0	0.66%	x	
TDS (MEASURED AT 180 C)	951.0	961.0	1.05%	x	
CALCIUM (CA) DIS	3.0	3.0	0.00%	x	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	x	
POTASSIUM (K) DIS	2.0	2.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	340.0	340.0	0.00%	x	
BICARBONATE (HCO3)	370.0	380.0	2.67%	x	
CARBONATE AS CO3	23.0	22.0	4.44%	x	
SULFATE (SO4)	410.0	410.0	0.00%	x	
CHLORIDE (CL)	6.0	6.0	0.00%	x	
FLUORIDE (F)	0.9	0.5	57.14% *	x	SEE RPD
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	x	
BARIUM (BA) DIS	0.012	0.012	0.00%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.1	0.09	10.53%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	0.1	0.07	35.29% *	x	SEE RPD
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	0.008	0.007	13.33%	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.1	<0.1	UDL	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	SW-2	SW-2			
SAMPLE DATE	12/06/20	12/06/20			
LAB	EL	EL			
LAB NUMBER	2120120003	2120120004	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1212-402	OCC-1212-403	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.4	8.4	0.00%	x	
SODIUM ADSORPTION RATIO	5.19	5.1	1.75%	0.02	
SC (UMHOS/CM AT 25 C)	3720.0	3740.0	0.54%	x	
TDS (MEASURED AT 180 C)	2870.0	2870.0	0.00%	x	
TOTAL SUSPENDED SOLIDS	52.0	52.0	0.00%	x	
TURBIDITY (NTU)	7.8	11.5	38.34% *	x	SEE RPD
CALCIUM (CA) DIS	136.0	135.0	0.74%	x	
CALCIUM (CA) TRC	135	134	0.74%	x	
MAGNESIUM (MG) DIS	261.0	261.0	0.00%	x	
MAGNESIUM (MG) TRC	250	246	1.61%	x	
SODIUM (NA) DIS	449	441	1.80%	x	
SODIUM (NA) TRC	465	449	3.50%	x	
POTASSIUM (K) DIS	19.0	19.0	0.00%	x	
POTASSIUM (K) TRC	20	19	5.13%	x	
TOTAL ALKALINITY AS CACO3	590.0	590.0	0.00%	x	
BICARBONATE (HCO3)	620.0	620.0	0.00%	x	
CARBONATE AS CO3	48.0	49.0	2.06%	x	
SULFATE (SO4)	1700.0	1700.0	0.00%	x	
CHLORIDE (CL)	13.0	14.0	7.41%	x	
FLUORIDE (F)	0.6	0.6	0.00%	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ALUMINUM (AL) TRC	0.6	0.6	0.00%	x	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	x	
ARSENIC (AS) TRC	<0.003	<0.003	UDL	x	
BARIUM (BA) DIS	0.016	0.016	0.00%	x	
BARIUM (BA) TRC	0.021	0.02	4.88%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BERYLLIUM (BE) TRC	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.31	0.31	0.00%	x	
BORON (B) TRC	0.32	0.32	0.00%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CADMIUM (CD) TRC	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
CHROMIUM (CR) TRC	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) TRC	<0.001	<0.001	UDL	x	
IRON (FE) DIS	<0.05	<0.05	UDL	x	
IRON (FE) TRC	0.61	0.58	5.04%	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
LEAD (PB) TRC	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	0.047	0.046	2.15%	x	
MANGANESE (MN) TRC	0.06	0.059	1.68%	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MERCURY (HG) TRC	<0.00005	<0.00005	UDL	<0.00005	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
MOLYBDENUM (MO) TRC	0.005	0.005	0.00%	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
NICKEL (NI) TRC	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	0.001	<0.001	0.00%	x	
SELENIUM (SE) TRC	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.1	<0.1	UDL	x	
VANADIUM (V) TRC	<0.1	<0.1	UDL	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	
ZINC (ZN) TRC	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B8-KL	OCC-1211-200	2110252001	11/14/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B8-O	OCC-1211-201	2110252002	11/15/20	IRON (FE) DIS	0.12	J4D	PRDL		DUPLICATE
B8-KU	OCC-1211-202	2110252003	11/15/20	IRON (FE) DIS	1.3	J4D	PRDL		DUPLICATE
B8-U	OCC-1211-203	2110252004	11/15/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
AVF3-2	OCC-1211-204	2110252005	11/15/20	IRON (FE) DIS	1.76	J4D	PRDL		DUPLICATE
A6	OCC-1211-205	2110252006	11/15/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
C-2	OCC-1211-206	2110252007	11/15/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
AVF5-1	OCC-1211-207	2110252008	11/16/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
AVF2-2	OCC-1211-208	2110252009	11/16/20	IRON (FE) DIS	4.53	J4D	PRDL		DUPLICATE
AVF1-2	OCC-1211-209	2110252010	11/16/20	IRON (FE) DIS	1.64	J4D	PRDL		DUPLICATE
B2-U	OCC-1211-210	2120005001	11/26/20	IRON (FE) DIS	0.05	J4D	PRDL		DUPLICATE
B2-K	OCC-1211-211	2120005002	11/26/20	IRON (FE) DIS	0.23	J4D	PRDL		DUPLICATE
A1	OCC-1211-211A	2110252012	11/16/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B4-K	OCC-1211-212	2120005003	11/26/20	IRON (FE) DIS	0.5	J4D	PRDL		DUPLICATE
B4-O	OCC-1211-213	2120005004	11/27/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B4-U	OCC-1211-214	2120005005	11/27/20	IRON (FE) DIS	0.18	J4D	PRDL		DUPLICATE
B3-K	OCC-1211-215	2120005006	11/27/20	IRON (FE) DIS	1.11	J4D	PRDL		DUPLICATE
B3-U	OCC-1211-216	2120005007	11/27/20	IRON (FE) DIS	0.11	J4D	PRDL		DUPLICATE
B6-O	OCC-1211-217	2120005008	11/27/20	IRON (FE) DIS	0.15	J4D	PRDL		DUPLICATE
B6-K	OCC-1211-218	2120005009	11/27/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B6-U	OCC-1211-219	2120005010	11/27/20	IRON (FE) DIS	0.11	J4D	PRDL		DUPLICATE
B5-K	OCC-1211-220	2120005011	11/28/20	IRON (FE) DIS	0.09	J4D	PRDL		DUPLICATE
B5-U	OCC-1211-221	2120005012	11/28/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B11-K	OCC-1211-222	2120005013	11/28/20	IRON (FE) DIS	0.07	J4D	PRDL		DUPLICATE
B11-O	OCC-1211-223	2120005014	11/28/20	IRON (FE) DIS	0.06	J4D	PRDL		DUPLICATE
B11-U	OCC-1211-224	2120005015	11/28/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
B10-O	OCC-1211-225	2120005016	11/29/20	IRON (FE) DIS	36.4	J4D	PRDL		DUPLICATE
B10-U	OCC-1211-226	2120005017	11/29/20	IRON (FE) DIS	0.05	J4D	PRDL		DUPLICATE
B10-KU	OCC-1211-227	2120005018	11/29/20	IRON (FE) DIS	0.6	J4D	PRDL		DUPLICATE
B10-KL	OCC-1211-228	2120005019	11/29/20	IRON (FE) DIS	0.12	J4D	PRDL		DUPLICATE
B9-K	OCC-1211-229	2120005020	11/29/20	IRON (FE) DIS	0.12	J4D	PRDL		DUPLICATE

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B9-U	OCC-1211-230	2120005021	11/29/20	IRON (FE) DIS	0.06	J4D	PRDL		DUPLICATE
B5-O	OCC-1211-231	2120005022	11/29/20	IRON (FE) DIS	15.6	J4D	PRDL		DUPLICATE
B7-O	OCC-1211-233	2120005024	11/30/20	IRON (FE) DIS	0.18	J4D	PRDL		DUPLICATE
B7-KU	OCC-1211-234	2120005025	11/30/20	IRON (FE) DIS	0.13	J4D	PRDL		DUPLICATE
B7-KL	OCC-1211-235	2120005026	11/30/20	IRON (FE) DIS	0.1	J4D	PRDL		DUPLICATE
B7-U	OCC-1211-237	2120005028	11/30/20	IRON (FE) DIS	0.09	J4D	PRDL		DUPLICATE
A4	OCC-1211-300	2110239001	11/15/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
A3	OCC-1211-301	2110239002	11/15/20	IRON (FE) DIS	2.45	J4D	PRDL		DUPLICATE
A7	OCC-1211-302	2110239003	11/15/20	IRON (FE) DIS	5.45	J4D	PRDL		DUPLICATE
K-3	OCC-1211-303	2110239004	11/15/20	IRON (FE) DIS	1.02	J4D	PRDL		DUPLICATE
B1-U	OCC-1212-250	2120120012	12/05/20	IRON (FE) DIS	0.16	J4D	PRDL		DUPLICATE
AVF6-3	OCC-1212-251	2120120013	12/05/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
C-3	OCC-1212-252	2120120014	12/05/20	IRON (FE) DIS	3.74	J4D	PRDL		DUPLICATE
A5	OCC-1212-253	2120120015	12/05/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
K-5	OCC-1212-254	2120120016	12/05/20	IRON (FE) DIS	0.24	J4D	PRDL		DUPLICATE
C-4	OCC-1212-255	2120120017	12/05/20	IRON (FE) DIS	1.48	J4D	PRDL		DUPLICATE
K-1	OCC-1212-256	2120120018	12/05/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
K-4	OCC-1212-257	2120120019	12/05/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
K-6	OCC-1212-258	2120120020	12/05/20	IRON (FE) DIS	0.53	J4D	PRDL		DUPLICATE
K-2	OCC-1212-259	2120120021	12/05/20	IRON (FE) DIS	<0.05	UJ4D	PRDL		DUPLICATE
P5	OCC-1212-400	2120120001	12/06/20	TURBIDITY (NTU)	36.4	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
P3	OCC-1212-401	2120120002	12/06/20	TURBIDITY (NTU)	42.8	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
SW-2	OCC-1212-402	2120120003	12/06/20	TURBIDITY (NTU)	7.8	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
FORTUNE SP	OCC-1212-405	2120120006	12/06/20	TURBIDITY (NTU)	0.3	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
SW-16	OCC-1212-406	2120120007	12/06/20	TURBIDITY (NTU)	5.4	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
SW-22	OCC-1212-407	2120120008	12/06/20	TURBIDITY (NTU)	12.2	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
P6	OCC-1212-408	2120120009	12/06/20	TURBIDITY (NTU)	15.8	J4D	38.34		DUPLICATE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		
SW-1A	OCC-1212-410	2120120011	12/06/20	TURBIDITY (NTU)	6.5	J4D	38.34		DUPLICATE

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FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
				IRON (FE) DIS	<0.05	UJ4D	PRDL		

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

TABLE 3. SUMMARY OF FLAGGED DATA
OTTER CREEK COAL
DATE RANGE: 11/14/2012 -

DataMan Program

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B10-U	OCC-1211-226	2120005017	11/29/20	BORON (B) DIS	0.15	UJ1			BLANK
B10-KL	OCC-1211-228	2120005019	11/29/20	BORON (B) DIS	0.1	UJ1			BLANK
B9-K	OCC-1211-229	2120005020	11/29/20	BORON (B) DIS	0.12	UJ1			BLANK
B9-U	OCC-1211-230	2120005021	11/29/20	BORON (B) DIS	0.11	UJ1			BLANK
B5-O	OCC-1211-231	2120005022	11/29/20	BORON (B) DIS	0.18	UJ1			BLANK
P5	OCC-1212-400	2120120001	12/06/20	BORON (B) TRC	0.03	UJ1			BLANK
P3	OCC-1212-401	2120120002	12/06/20	BORON (B) TRC	0.04	UJ1			BLANK

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

TABLE 3. SUMMARY OF FLAGGED DATA
OTTER CREEK COAL
DATE RANGE: / / -

DataMan Program

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B2-U	OCC-1211-210	2120005001	11/26/20	TDS (MEASURED AT 180 C)	711.0	H,J3			HOLD TIME
B2-K	OCC-1211-211	2120005002	11/26/20	TDS (MEASURED AT 180 C)	3280.0	H,J3			HOLD TIME

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	RINS BLANK
SAMPLE DATE	11/16/2012	11/29/2012	12/06/2012	12/06/2012
SAMPLE TIME	11:00	17:45	10:25	14:30
LAB	EL	EL	EL	EL
LAB NUMBER	2110252011	2120005023	2120120005	2120120010
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1211-210A	OCC-1211-232	OCC-1212-404	OCC-1212-409
-- PHYSICAL PARAMETERS --				
PH	5.5	5.3	5.4	5.4
SODIUM ADSORPTION RATIO	0.03	0.04	<0.01	0.05
SC (UMHOS/CM AT 25 C)	1.0	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0	<4.0
TURBIDITY (NTU)			0.2	<0.2
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	<1.0	<1.0	<0.1	<0.1
CALCIUM (CA) TRC			<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0	<1.0
SODIUM (NA) DIS			<1.0	<1.0
SODIUM (NA) TRC			<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<0.003
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0		
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<1.0
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.01	<1.0
ALUMINUM (AL) TRC			<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<1.0	<0.005
ARSENIC (AS) TRC			<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.003	<0.001
BARIUM (BA) TRC			<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.005	0.05
BERYLLIUM (BE) TRC			<0.001	<0.001
BORON (B) DIS	0.04	0.04	<0.001	<0.00008
BORON (B) TRC			0.04	0.05
CADMIUM (CD) DIS	<0.00008	<0.00008	0.04	<0.001
CADMIUM (CD) TRC			<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.00008	<0.001
CHROMIUM (CR) TRC			<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.05
COPPER (CU) TRC			<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05	<0.001	<0.0005
IRON (FE) TRC			<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.05	<0.005
LEAD (PB) TRC			<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.0005	<0.005
MANGANESE (MN) TRC			<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MERCURY (HG) TRC			<0.00005	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	RINS BLANK
SAMPLE DATE	11/16/2012	11/29/2012	12/06/2012	12/06/2012
SAMPLE TIME	11:00	17:45	10:25	14:30
LAB	EL	EL	EL	EL
LAB NUMBER	2110252011	2120005023	2120120005	2120120010
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1211-210A	OCC-1211-232	OCC-1212-404	OCC-1212-409
-- METALS & MINOR CONSTITUENTS --				
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.01
MOLYBDENUM (MO) TRC			<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.005	<0.001
NICKEL (NI) TRC			<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.01	<0.1
SELENIUM (SE) TRC			<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.001	<0.01
VANADIUM (V) TRC			<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.1	<0.01
ZINC (ZN) TRC			<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	11/16/2012	9.11	SODIUM ADSORPTION RATIO	08/23/2011-09/05/2012	5	7.81	8.3480	8.98	1.75	HIGHEST
		1520.0	TDS (MEASURED AT 180 C)	08/23/2011-09/05/2012	5	1610.0	1854.0000	2180.0	1.49	LOWEST
		43.0	CALCIUM (CA) DIS	08/23/2011-09/05/2012	5	47.0	59.8000	80.0	1.31	LOWEST
		730.0	TOTAL ALKALINITY AS CACO3	08/23/2011-09/05/2012	5	580.0	638.0000	690.0	2.07	HIGHEST
		850.0	BICARBONATE (HCO3)	08/23/2011-09/05/2012	5	710.0	770.0000	840.0	1.63	HIGHEST
		19.0	CARBONATE AS CO3	08/23/2011-09/05/2012	5	<1.0		17.0		HIGHEST
		580.0	SULFATE (SO4)	08/23/2011-09/05/2012	5	650.0	850.0000	1100.0	1.53	LOWEST
		76.0	CHLORIDE (CL)	08/23/2011-09/05/2012	5	41.0	54.4000	70.0	1.86	HIGHEST
		1.3	NITRATE + NITRITE AS N	08/23/2011-09/05/2012	5	0.96	1.0660	1.19	2.40	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.045	ARSENIC (AS) DIS	08/23/2011-09/05/2012	5	0.03	0.0338	0.04	2.49	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	0.2	0.2400	0.3	1.10	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
A1	11/16/2012	9.3	SODIUM ADSORPTION RATIO	08/23/2011-09/05/2012	5	7.81	8.3480	8.98	2.19	HIGHEST
		1500.0	TDS (MEASURED AT 180 C)	08/23/2011-09/05/2012	5	1610.0	1854.0000	2180.0	1.58	LOWEST
		42.0	CALCIUM (CA) DIS	08/23/2011-09/05/2012	5	47.0	59.8000	80.0	1.39	LOWEST
		730.0	TOTAL ALKALINITY AS CACO3	08/23/2011-09/05/2012	5	580.0	638.0000	690.0	2.07	HIGHEST
		850.0	BICARBONATE (HCO3)	08/23/2011-09/05/2012	5	710.0	770.0000	840.0	1.63	HIGHEST
		20.0	CARBONATE AS CO3	08/23/2011-09/05/2012	5	<1.0		17.0		HIGHEST
		580.0	SULFATE (SO4)	08/23/2011-09/05/2012	5	650.0	850.0000	1100.0	1.53	LOWEST
		76.0	CHLORIDE (CL)	08/23/2011-09/05/2012	5	41.0	54.4000	70.0	1.86	HIGHEST
		1.32	NITRATE + NITRITE AS N	08/23/2011-09/05/2012	5	0.96	1.0660	1.19	2.60	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.044	ARSENIC (AS) DIS	08/23/2011-09/05/2012	5	0.03	0.0338	0.04	2.27	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		0.006	SELENIUM (SE) DIS	08/23/2011-09/05/2012	5	0.005	0.0052	0.006	1.79	HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	0.2	0.2400	0.3	1.10	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
A3	11/15/2012	5.59	SODIUM ADSORPTION RATIO	08/24/2011-09/06/2012	5	5.19	5.3040	5.54	1.95	HIGHEST
		21.0	POTASSIUM (K) DIS	08/24/2011-09/06/2012	5	19.0	19.8000	20.0	2.68	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	08/24/2011-09/06/2012	5	620.0	624.0000	630.0	1.10	HIGHEST
		770.0	BICARBONATE (HCO3)	08/24/2011-09/06/2012	5	750.0	756.0000	770.0	1.57	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		0.005	ARSENIC (AS) DIS	08/24/2011-09/06/2012	5	0.004	0.0042	0.005	1.79	HIGHEST
		0.015	BARIUM (BA) DIS	08/24/2011-09/06/2012	5	0.014	0.0142	0.015	1.79	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.55	BORON (B) DIS	08/24/2011-09/06/2012	5	0.47	0.4880	0.51	4.18	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		0.266	MANGANESE (MN) DIS	08/24/2011-09/06/2012	5	0.245	0.2542	0.266	1.57	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-09/06/2012	5	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
A4	11/15/2012	2250.0	TDS (MEASURED AT 180 C)	06/22/2011-09/06/2012	5	2270.0	2328.0000	2420.0	1.39	LOWEST
		192.0	MAGNESIUM (MG) DIS	06/22/2011-09/06/2012	5	178.0	183.2000	186.0	2.63	HIGHEST
		16.0	POTASSIUM (K) DIS	06/22/2011-09/06/2012	5	14.0	15.0000	16.0	1.41	HIGHEST
		550.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/06/2012	5	520.0	536.0000	550.0	1.23	HIGHEST
		670.0	BICARBONATE (HCO3)	06/22/2011-09/06/2012	5	640.0	652.0000	670.0	1.38	HIGHEST
		0.05	NITRATE + NITRITE AS N	06/22/2011-09/06/2012	5	0.06	0.0820	0.12	1.19	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.48	BORON (B) DIS	06/22/2011-09/06/2012	5	0.42	0.4320	0.44	5.74	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-09/06/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		1.32	MANGANESE (MN) DIS	06/22/2011-09/06/2012	5	1.26	1.2880	1.32	1.48	HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-09/06/2012	5	0.007	0.0070	0.007		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
A5	12/05/2012	6.31	SODIUM ADSORPTION RATIO	08/25/2011-09/06/2012	5	5.28	5.6960	6.17	1.58	HIGHEST
		2530.0	TDS (MEASURED AT 180 C)	08/25/2011-09/06/2012	5	2740.0	3144.0000	3390.0	2.08	LOWEST
		153.0	CALCIUM (CA) DIS	08/25/2011-09/06/2012	5	172.0	191.0000	208	2.13	LOWEST
		180.0	MAGNESIUM (MG) DIS	08/25/2011-09/06/2012	5	190.0	216.6000	240.0	1.55	LOWEST
		750.0	BICARBONATE (HCO3)	08/25/2011-09/06/2012	5	760.0	795.6000	830.0	1.44	LOWEST
		31.0	CARBONATE AS CO3	08/25/2011-09/06/2012	5	<1.0		<4.0		HIGHEST
		1300.0	SULFATE (SO4)	08/25/2011-09/06/2012	5	1600.0	1802.0000	2010.0	3.11	LOWEST
		18.0	CHLORIDE (CL)	08/25/2011-09/06/2012	5	9.0	11.8000	13.0	3.77	HIGHEST
		0.5	FLUORIDE (F)	08/25/2011-09/06/2012	5	0.4	0.4800	0.5	0.45	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-09/06/2012	5	0.001	0.0016	0.003	0.67	LOWEST
		<0.0005	LEAD (PB) DIS	08/25/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
A6	11/15/2012	770.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/05/2012	5	750.0	756.0000	770.0	1.57	HIGHEST
		940.0	BICARBONATE (HCO3)	06/22/2011-09/05/2012	5	910.0	924.0000	940.0	1.40	HIGHEST
		14.0	CHLORIDE (CL)	06/22/2011-09/05/2012	5	15.0	21.8000	28.0	1.34	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		0.009	MOLYBDENUM (MO) DIS	06/22/2011-09/05/2012	5	0.008	0.0088	0.009	0.45	HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	VANADIUM (V) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
A7	11/15/2012	2640.0	TDS (MEASURED AT 180 C)	08/24/2011-09/06/2012	5	2700.0	2904.0000	3060.0	1.96	LOWEST
		21.0	POTASSIUM (K) DIS	08/24/2011-09/06/2012	5	19.0	19.6000	20.0	2.56	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	08/24/2011-09/06/2012	5	610.0	618.0000	630.0	1.43	HIGHEST
		770.0	BICARBONATE (HCO3)	08/24/2011-09/06/2012	5	740.0	750.0000	770.0	1.63	HIGHEST
		1700.0	SULFATE (SO4)	08/24/2011-09/06/2012	5	1600.0	1640.0000	1700.0	1.10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-09/06/2012	5	0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	08/24/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		0.019	BARIUM (BA) DIS	08/24/2011-09/06/2012	5	0.017	0.0178	0.019	1.43	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.44	BORON (B) DIS	08/24/2011-09/06/2012	5	0.37	0.3920	0.41	3.24	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-09/06/2012	5	0.005	0.0050	0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
AVF1-2	11/16/2012	68.0	MAGNESIUM (MG) DIS	06/23/2011-09/05/2012	5	65.0	65.6000	67.0	2.68	HIGHEST
		17.0	POTASSIUM (K) DIS	06/23/2011-09/05/2012	5	14.0	15.6000	16.0	1.57	HIGHEST
		520.0	TOTAL ALKALINITY AS CACO3	06/23/2011-09/05/2012	5	450.0	498.0000	520.0	0.77	HIGHEST
		7.0	CARBONATE AS CO3	06/23/2011-09/05/2012	5	<1.0		6.0		HIGHEST
		500.0	SULFATE (SO4)	06/23/2011-09/05/2012	5	390.0	440.0000	500.0	1.34	HIGHEST
		1.3	FLUORIDE (F)	06/23/2011-09/05/2012	5	1.4	1.4400	1.5	2.56	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-09/05/2012	5	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		0.192	MANGANESE (MN) DIS	06/23/2011-09/05/2012	5	0.188	0.1888	0.191	2.45	HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/23/2011-09/05/2012	5	0.009	0.0098	0.01	0.45	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
AVF2-2	11/16/2012	6.16	SODIUM ADSORPTION RATIO	06/23/2011-09/05/2012	4	5.83	5.9525	6.04	2.14	HIGHEST
		3340.0	SC (UMHOS/CM AT 25 C)	06/23/2011-09/05/2012	4	3060.0	3202.5000	3330.0	1.04	HIGHEST
		186.0	MAGNESIUM (MG) DIS	06/23/2011-09/05/2012	4	162.0	170.0000	185	1.56	HIGHEST
		23.0	POTASSIUM (K) DIS	06/23/2011-09/05/2012	4	20.0	20.5000	21.0	4.33	HIGHEST
		1500.0	SULFATE (SO4)	06/23/2011-09/05/2012	4	1400.0	1450.0000	1500.0	0.87	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-09/05/2012	4	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-09/05/2012	4	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-09/05/2012	4	0.003	0.0033	0.004	1.50	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-09/05/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-09/05/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-09/05/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-09/05/2012	4	<0.001		<0.001		HIGHEST
		4.53	IRON (FE) DIS	06/23/2011-09/05/2012	4	4.19	4.2975	4.42	2.33	HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-09/05/2012	4	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-09/05/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-09/05/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/05/2012	4	<0.1		<0.1		HIGHEST

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		<0.01	ZINC (ZN) DIS	06/23/2011-09/05/2012	4	<0.01		<0.01		HIGHEST
AVF3-2	11/15/2012	3700.0	TDS (MEASURED AT 180 C)	06/22/2011-09/05/2012	5	3900.0	4088.0000	4220.0	2.60	LOWEST
		320.0	MAGNESIUM (MG) DIS	06/22/2011-09/05/2012	5	296.0	307.0000	316.0	1.66	HIGHEST
		25.0	POTASSIUM (K) DIS	06/22/2011-09/05/2012	5	23.0	23.8000	24.0	2.68	HIGHEST
		720.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/05/2012	5	690.0	702.0000	710.0	2.15	HIGHEST
		870.0	BICARBONATE (HCO3)	06/22/2011-09/05/2012	5	850.0	856.0000	870.0	1.57	HIGHEST
		0.6	FLUORIDE (F)	06/22/2011-09/05/2012	5	0.6	0.6000	0.6		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/22/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		1.68	MANGANESE (MN) DIS	06/22/2011-09/05/2012	5	1.58	1.6300	1.66	1.67	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
AVF5-1	11/16/2012	78.0	CALCIUM (CA) DIS	06/23/2011-09/05/2012	5	66.0	72.0000	75.0	1.63	HIGHEST
		84.0	MAGNESIUM (MG) DIS	06/23/2011-09/05/2012	5	74.0	75.6000	78.0	4.62	HIGHEST
		14.0	POTASSIUM (K) DIS	06/23/2011-09/05/2012	5	12.0	12.8000	13.0	2.68	HIGHEST
		450.0	TOTAL ALKALINITY AS CACO3	06/23/2011-09/05/2012	5	430.0	432.0000	440.0	4.02	HIGHEST
		540.0	BICARBONATE (HCO3)	06/23/2011-09/05/2012	5	520.0	528.0000	540.0	1.43	HIGHEST
		470.0	SULFATE (SO4)	06/23/2011-09/05/2012	5	380.0	424.0000	460.0	1.51	HIGHEST
		1.4	FLUORIDE (F)	06/23/2011-09/05/2012	5	1.5	1.6000	2.0	0.89	LOWEST
		0.95	NITRATE + NITRITE AS N	06/23/2011-09/05/2012	5	0.57	0.6820	0.88	2.30	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-09/05/2012	5	NR		<0.001		HIGHEST
		0.63	BORON (B) DIS	06/23/2011-09/05/2012	5	0.57	0.6040	0.63	1.19	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/23/2011-09/05/2012	5	0.007	0.0074	0.008	1.10	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
AVF6-3	12/05/2012	6.81	SODIUM ADSORPTION RATIO	08/24/2011-09/05/2012	5	6.14	6.3940	6.53	2.51	HIGHEST
		3030.0	SC (UMHOS/CM AT 25 C)	08/24/2011-09/05/2012	5	2500.0	2794.0000	3020.0	1.04	HIGHEST
		139.0	MAGNESIUM (MG) DIS	08/24/2011-09/05/2012	5	126.0	131.2000	134.0	2.33	HIGHEST
		22.0	POTASSIUM (K) DIS	08/24/2011-09/05/2012	5	20.0	20.6000	21.0	2.56	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	08/24/2011-09/05/2012	5	590.0	612.0000	630.0	1.89	HIGHEST
		670.0	BICARBONATE (HCO3)	08/24/2011-09/05/2012	5	720.0	740.0000	760.0	4.95	LOWEST
		54.0	CARBONATE AS CO3	08/24/2011-09/05/2012	5	<1.0		14.0		HIGHEST
		17.0	CHLORIDE (CL)	08/24/2011-09/05/2012	5	7.0	10.0000	13.0	3.13	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		0.47	BORON (B) DIS	08/24/2011-09/05/2012	5	0.4	0.4360	0.45	1.64	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		0.182	MANGANESE (MN) DIS	08/24/2011-09/05/2012	5	0.164	0.1670	0.174	3.69	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		0.004	SELENIUM (SE) DIS	08/24/2011-09/05/2012	5	0.004	0.0040	0.004		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/05/2012	5	<0.1		<0.1		HIGHEST

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B1-U	12/05/2012	103.0	MAGNESIUM (MG) DIS	06/23/2011-09/18/2012	5	93.0	96.6000	99.0	2.78	HIGHEST
		20.0	POTASSIUM (K) DIS	06/23/2011-09/18/2012	5	17.0	18.6000	19.0	1.57	HIGHEST
		300.0	TOTAL ALKALINITY AS CACO3	06/23/2011-09/18/2012	5	280.0	286.0000	290.0	2.56	HIGHEST
		320.0	BICARBONATE (HCO3)	06/23/2011-09/18/2012	5	340.0	350.0000	360.0	4.24	LOWEST
		23.0	CARBONATE AS CO3	06/23/2011-09/18/2012	5	<1.0		<4.0		HIGHEST
		5.0	CHLORIDE (CL)	06/23/2011-09/18/2012	5	6.0	6.5000	7.0	3.00	LOWEST
		0.47	NITRATE + NITRITE AS N	06/23/2011-09/18/2012	5	<0.01	0.1500	0.25	3.24	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-09/18/2012	5	<0.00005		<0.00005		HIGHEST
		0.019	MOLYBDENUM (MO) DIS	06/23/2011-09/18/2012	5	0.017	0.0180	0.019	1.41	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/23/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B2-K	11/26/2012	10.0	CHLORIDE (CL)	06/29/2011-09/06/2012	5	11.0	13.2000	15.0	1.95	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/29/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		0.037	MANGANESE (MN) DIS	06/29/2011-09/06/2012	5	0.042	0.0594	0.082	1.48	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
B2-U	11/26/2012	1200.0	SC (UMHOS/CM AT 25 C)	06/29/2011-09/06/2012	5	1080.0	1142.0000	1200.0	1.13	HIGHEST
		2.0	CALCIUM (CA) DIS	06/29/2011-09/06/2012	5	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-09/06/2012	5	<1.0		<1.0		HIGHEST
		650.0	TOTAL ALKALINITY AS CACO3	06/29/2011-09/06/2012	5	618.0	629.6000	640.0	1.94	HIGHEST
		720.0	BICARBONATE (HCO3)	06/29/2011-09/06/2012	5	690.0	703.0000	720.0	1.41	HIGHEST
		37.0	CARBONATE AS CO3	06/29/2011-09/06/2012	5	28.0	31.8000	35.0	1.59	HIGHEST
		30.0	CHLORIDE (CL)	06/29/2011-09/06/2012	5	32.0	33.0000	34.0	4.24	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-09/06/2012	5	<0.1		0.1		HIGHEST
		0.063	BARIUM (BA) DIS	06/29/2011-09/06/2012	5	0.045	0.0554	0.061	1.22	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
B3-K	11/27/2012	72.0	MAGNESIUM (MG) DIS	08/24/2011-09/17/2012	5	67.0	70.0000	72.0	1.07	HIGHEST
		9.0	POTASSIUM (K) DIS	08/24/2011-09/17/2012	5	10.0	10.2000	11.0	2.68	LOWEST
		900.0	TOTAL ALKALINITY AS CACO3	08/24/2011-09/17/2012	5	830.0	862.0000	890.0	1.25	HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1100.0	BICARBONATE (HCO3)	08/24/2011-09/17/2012	5	1000.0	1060.0000	1100.0	0.73	HIGHEST
		0.2	FLUORIDE (F)	08/24/2011-09/17/2012	5	0.2	0.2000	0.2		HIGHEST
		0.04	NITRATE + NITRITE AS N	08/24/2011-09/17/2012	5	<0.01	0.0200	0.04	1.63	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-09/17/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		0.6	BORON (B) DIS	08/24/2011-09/17/2012	5	0.63	0.6500	0.67	2.67	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/17/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/17/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-09/17/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/17/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/17/2012	5	<0.1		<0.1		HIGHEST
		0.09	ZINC (ZN) DIS	08/24/2011-09/17/2012	5	0.01	0.0260	0.08	2.10	HIGHEST
B3-U	11/27/2012	<1.0	MAGNESIUM (MG) DIS	08/24/2011-09/17/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-09/17/2012	5	1.0	1.0000	1.0		HIGHEST
		42.0	CARBONATE AS CO3	08/24/2011-09/17/2012	5	<4.0	27.2000	36.0	1.12	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-09/17/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-09/17/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/17/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-09/17/2012	5	<0.0005		<0.0005		HIGHEST
		0.015	MANGANESE (MN) DIS	08/24/2011-09/17/2012	5	0.017	0.0264	0.042	1.14	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/17/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-09/17/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/17/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/17/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/17/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-09/17/2012	5	<0.01		<0.01		HIGHEST
B4-K	11/26/2012	27.7	SODIUM ADSORPTION RATIO	08/24/2011-08/28/2012	5	20.2	25.1800	26.9	0.90	HIGHEST
		3550.0	TDS (MEASURED AT 180 C)	08/24/2011-08/28/2012	5	3590.0	3764.0000	4010.0	1.20	LOWEST
		36.0	MAGNESIUM (MG) DIS	08/24/2011-08/28/2012	5	37.0	46.2000	69.0	0.77	LOWEST
		8.0	POTASSIUM (K) DIS	08/24/2011-08/28/2012	5	7.0	7.8000	8.0	0.45	HIGHEST
		810.0	TOTAL ALKALINITY AS CACO3	08/24/2011-08/28/2012	5	720.0	764.0000	780.0	1.83	HIGHEST
		970.0	BICARBONATE (HCO3)	08/24/2011-08/28/2012	5	880.0	922.0000	950.0	1.40	HIGHEST
		1900.0	SULFATE (SO4)	08/24/2011-08/28/2012	5	2000.0	2060.0000	2200.0	1.79	LOWEST
		10.0	CHLORIDE (CL)	08/24/2011-08/28/2012	5	11.0	13.8000	16.0	1.98	LOWEST
		0.4	FLUORIDE (F)	08/24/2011-08/28/2012	5	0.4	0.4000	0.4		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.5	IRON (FE) DIS	08/24/2011-08/28/2012	5	0.06	0.3040	0.48	1.03	HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-08/28/2012	5	<0.0005		<0.0005		HIGHEST
		0.059	MANGANESE (MN) DIS	08/24/2011-08/28/2012	5	0.067	0.0980	0.128	1.60	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
B4-O	11/27/2012	4.05	SODIUM ADSORPTION RATIO	08/24/2011-08/29/2012	5	3.83	3.8840	3.92	4.94	HIGHEST
		1100.0	TOTAL ALKALINITY AS CACO3	08/24/2011-08/29/2012	5	1000.0	1080.0000	1100.0	0.45	HIGHEST
		1400.0	BICARBONATE (HCO3)	08/24/2011-08/29/2012	5	1300.0	1360.0000	1400.0	0.73	HIGHEST

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		12.0	CHLORIDE (CL)	08/24/2011-08/29/2012	5	17.0	17.6000	19.0	6.26	LOWEST
		0.04	NITRATE + NITRITE AS N	08/24/2011-08/29/2012	5	<0.01	0.0120	0.02	6.26	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
		0.013	BARIUM (BA) DIS	08/24/2011-08/29/2012	5	0.014	0.0358	0.088	0.77	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-08/29/2012	5	<0.0005		<0.0005		HIGHEST
		0.052	MANGANESE (MN) DIS	08/24/2011-08/29/2012	5	0.059	0.3374	0.819	0.95	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-08/29/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-08/29/2012	5	0.01	0.0140	0.02	0.73	LOWEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
		0.02	ZINC (ZN) DIS	08/24/2011-08/29/2012	5	<0.01		0.02		HIGHEST
B4-U	11/27/2012	1520.0	TDS (MEASURED AT 180 C)	08/25/2011-08/29/2012	5	1330.0	1404.0000	1520.0	1.59	HIGHEST
		7.0	CALCIUM (CA) DIS	08/25/2011-08/29/2012	5	6.0	6.6000	7.0	0.73	HIGHEST
		35.0	CARBONATE AS CO3	08/25/2011-08/29/2012	5	<1.0	17.4000	32.0	1.25	HIGHEST
		16.0	CHLORIDE (CL)	08/25/2011-08/29/2012	5	17.0	18.2000	19.0	2.63	LOWEST
		0.03	NITRATE + NITRITE AS N	08/25/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/25/2011-08/29/2012	5	0.14	0.1420	0.15	2.68	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-08/29/2012	5	0.001	0.0020	0.004	0.71	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/29/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
B5-K	11/28/2012	53.4	SODIUM ADSORPTION RATIO	06/23/2011-08/28/2012	5	31.6	48.1200	53.4	0.57	HIGHEST
		1350.0	SC (UMHOS/CM AT 25 C)	06/23/2011-08/28/2012	5	1200.0	1272.0000	1350.0	1.20	HIGHEST
		826.0	TDS (MEASURED AT 180 C)	06/23/2011-08/28/2012	5	740.0	783.2000	815.0	1.49	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-08/28/2012	5	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-08/28/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-08/28/2012	5	2.0	2.0000	2.0		HIGHEST
		790.0	TOTAL ALKALINITY AS CACO3	06/23/2011-08/28/2012	5	700.0	732.0000	760.0	2.09	HIGHEST
		890.0	BICARBONATE (HCO3)	06/23/2011-08/28/2012	5	820.0	840.0000	880.0	1.77	HIGHEST
		39.0	CARBONATE AS CO3	06/23/2011-08/28/2012	5	17.0	27.2000	36.0	1.71	HIGHEST
		10.0	CHLORIDE (CL)	06/23/2011-08/28/2012	5	11.0	14.2000	19.0	1.35	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		0.1	ALUMINUM (AL) DIS	06/23/2011-08/28/2012	5	0.3	0.4200	0.6	2.45	LOWEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		0.089	BARIUM (BA) DIS	06/23/2011-08/28/2012	5	0.072	0.0758	0.08	3.78	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	06/23/2011-08/28/2012	5	0.16	0.1680	0.18	2.15	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-08/28/2012	5	<0.0005		<0.0005		HIGHEST
		0.014	MANGANESE (MN) DIS	06/23/2011-08/28/2012	5	0.015	0.0188	0.021	2.10	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
B5-O	11/29/2012	37.7	SODIUM ADSORPTION RATIO	06/23/2011-09/18/2012	5	43.6	48.1600	53	3.02	LOWEST
		1310.0	TDS (MEASURED AT 180 C)	06/23/2011-09/18/2012	5	1510.0	1730.0000	2030.0	2.03	LOWEST
		10.0	CALCIUM (CA) DIS	06/23/2011-09/18/2012	5	4.0	5.6000	7.0	3.86	HIGHEST
		6.0	MAGNESIUM (MG) DIS	06/23/2011-09/18/2012	5	2.0	2.6000	3.0	6.21	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		7.0	POTASSIUM (K) DIS	06/23/2011-09/18/2012	5	3.0	3.4000	4.0	6.57	HIGHEST
		920.0	TOTAL ALKALINITY AS CACO3	06/23/2011-09/18/2012	5	790.0	850.0000	920.0	1.11	HIGHEST
		1100.0	BICARBONATE (HCO3)	06/23/2011-09/18/2012	5	930.0	1010.0000	1100.0	1.07	HIGHEST
		310.0	SULFATE (SO4)	06/23/2011-09/18/2012	5	320.0	344.0000	370.0	1.87	LOWEST
		36.0	CHLORIDE (CL)	06/23/2011-09/18/2012	5	40.0	43.0000	47.0	1.91	LOWEST
		4.1	FLUORIDE (F)	06/23/2011-09/18/2012	5	4.0	4.0200	4.1	1.79	HIGHEST
		0.6	NITRATE + NITRITE AS N	06/23/2011-09/18/2012	5	<0.01		0.13		HIGHEST
		14.7	ALUMINUM (AL) DIS	06/23/2011-09/18/2012	5	<0.1	0.3600	0.6	> 10	HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		0.182	BARIUM (BA) DIS	06/23/2011-09/18/2012	5	0.032	0.0356	0.041	> 10	HIGHEST
		0.001	BERYLLIUM (BE) DIS	06/23/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.00029	CADMIUM (CD) DIS	06/23/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		0.022	CHROMIUM (CR) DIS	06/23/2011-09/18/2012	5	<0.001		0.003		HIGHEST
		15.6	IRON (FE) DIS	06/23/2011-09/18/2012	5	0.07	0.2100	0.28	> 10	HIGHEST
		0.0137	LEAD (PB) DIS	06/23/2011-09/18/2012	5	0.0005		0.0007		HIGHEST
		0.38	MANGANESE (MN) DIS	06/23/2011-09/18/2012	5	0.098	0.1700	0.221	4.14	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-09/18/2012	5	<0.00005		<0.00005		HIGHEST
		0.02	NICKEL (NI) DIS	06/23/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		0.09	ZINC (ZN) DIS	06/23/2011-09/18/2012	5	<0.01		0.05		HIGHEST
B5-U	11/28/2012	45.2	SODIUM ADSORPTION RATIO	06/23/2011-08/29/2012	5	43.3	44.2600	45.1	1.23	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-08/29/2012	5	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-08/29/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/23/2011-08/29/2012	5	1.0	1.0000	1.0		HIGHEST
		580.0	TOTAL ALKALINITY AS CACO3	06/23/2011-08/29/2012	5	560.0	570.0000	580.0	1.41	HIGHEST
		39.0	CARBONATE AS CO3	06/23/2011-08/29/2012	5	25.0	31.0000	36.0	1.51	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-08/29/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-08/29/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-08/29/2012	5	<0.0005		<0.0005		HIGHEST
		0.009	MANGANESE (MN) DIS	06/23/2011-08/29/2012	5	0.007	0.0074	0.008	2.92	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-08/29/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-08/29/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
B6-K	11/27/2012	3.0	CALCIUM (CA) DIS	08/25/2011-08/28/2012	5	2.0	2.6000	3.0	0.73	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-08/28/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-08/28/2012	5	2.0	2.0000	2.0		HIGHEST
		870.0	TOTAL ALKALINITY AS CACO3	08/25/2011-08/28/2012	5	850.0	852.0000	860.0	4.02	HIGHEST
		42.0	CARBONATE AS CO3	08/25/2011-08/28/2012	5	23.0	29.6000	35.0	2.66	HIGHEST
		6.0	CHLORIDE (CL)	08/25/2011-08/28/2012	5	7.0	7.2000	8.0	2.68	LOWEST
		<1.0	FLUORIDE (F)	08/25/2011-08/28/2012	5	0.9	0.9400	1.0	1.10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		0.095	BARIUM (BA) DIS	08/25/2011-08/28/2012	5	0.096	0.1008	0.111	0.94	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/28/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
B6-O	11/27/2012	5420.0	SC (UMHOS/CM AT 25 C)	08/25/2011-08/28/2012	5	4550.0	4998.0000	5380.0	1.05	HIGHEST
		3920.0	TDS (MEASURED AT 180 C)	08/25/2011-08/28/2012	5	1570.0	3252.0000	3910.0	0.70	HIGHEST
		7.0	POTASSIUM (K) DIS	08/25/2011-08/28/2012	5	6.0	6.6000	7.0	0.73	HIGHEST
		1300.0	TOTAL ALKALINITY AS CACO3	08/25/2011-08/28/2012	5	1290.0	1298.0000	1300.0	0.45	HIGHEST
		1600.0	BICARBONATE (HCO3)	08/25/2011-08/28/2012	5	1400.0	1492.0000	1560.0	1.87	HIGHEST
		11.0	CHLORIDE (CL)	08/25/2011-08/28/2012	5	13.0	14.4000	16.0	2.53	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		0.068	MANGANESE (MN) DIS	08/25/2011-08/28/2012	5	0.107	0.1596	0.195	2.64	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		0.14	ZINC (ZN) DIS	08/25/2011-08/28/2012	5	<0.01		0.03		HIGHEST
B6-U	11/27/2012	2.0	CALCIUM (CA) DIS	08/25/2011-08/29/2012	5	1.0	1.6000	2.0	0.73	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-08/29/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-08/29/2012	5	1.0	1.0000	1.0		HIGHEST
		550.0	TOTAL ALKALINITY AS CACO3	08/25/2011-08/29/2012	5	517.0	533.4000	540.0	1.64	HIGHEST
		35.0	CARBONATE AS CO3	08/25/2011-08/29/2012	5	26.0	30.0000	32.0	2.04	HIGHEST
		<1.0	SULFATE (SO4)	08/25/2011-08/29/2012	5	<1.0		<1.0		HIGHEST
		9.0	CHLORIDE (CL)	08/25/2011-08/29/2012	5	10.0	10.4000	11.0	2.56	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-08/29/2012	5	<0.003		<0.003		HIGHEST
		0.024	BARIUM (BA) DIS	08/25/2011-08/29/2012	5	0.019	0.0216	0.023	1.43	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/29/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	08/25/2011-08/29/2012	5	0.005	0.0062	0.008	0.73	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/29/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/29/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/29/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-08/29/2012	5	<0.01		<0.01		HIGHEST
B7-KL	11/30/2012	<1.0	MAGNESIUM (MG) DIS	06/21/2011-09/18/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-09/18/2012	5	2.0	2.0000	2.0		HIGHEST
		23.0	CARBONATE AS CO3	06/21/2011-09/18/2012	5	5.0	14.4000	20.0	1.37	HIGHEST
		410.0	SULFATE (SO4)	06/21/2011-09/18/2012	5	420.0	426.2000	431.0	2.85	LOWEST
		6.0	CHLORIDE (CL)	06/21/2011-09/18/2012	5	7.0	7.2000	8.0	2.68	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/21/2011-09/18/2012	5	0.09	0.0960	0.1	0.73	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B7-KL	11/30/2012	<1.0	MAGNESIUM (MG) DIS	06/21/2011-09/18/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-09/18/2012	5	2.0	2.0000	2.0		HIGHEST
		22.0	CARBONATE AS CO3	06/21/2011-09/18/2012	5	5.0	14.4000	20.0	1.21	HIGHEST
		410.0	SULFATE (SO4)	06/21/2011-09/18/2012	5	420.0	426.2000	431.0	2.85	LOWEST
		6.0	CHLORIDE (CL)	06/21/2011-09/18/2012	5	7.0	7.2000	8.0	2.68	LOWEST
		0.5	FLUORIDE (F)	06/21/2011-09/18/2012	5	0.9	0.9800	1.0	> 10	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B7-KU	11/30/2012	1680.0	SC (UMHOS/CM AT 25 C)	06/21/2011-09/18/2012	5	1820.0	2202.0000	3410.0	0.77	LOWEST
		1090.0	TDS (MEASURED AT 180 C)	06/21/2011-09/18/2012	5	1110.0	1480.0000	2550.0	0.64	LOWEST
		52.0	CARBONATE AS CO3	06/21/2011-09/18/2012	5	27.0	33.4000	44.0	2.22	HIGHEST
		84.0	SULFATE (SO4)	06/21/2011-09/18/2012	5	110.0	327.4000	1000.0	0.64	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		0.051	BARIUM (BA) DIS	06/21/2011-09/18/2012	5	0.024	0.0396	0.051	1.15	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-09/18/2012	5	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B7-O	11/30/2012	10.0	MAGNESIUM (MG) DIS	06/21/2011-09/18/2012	5	10.0	10.0000	10.0		HIGHEST
		920.0	TOTAL ALKALINITY AS CACO3	06/21/2011-09/18/2012	5	875.0	897.0000	920.0	1.40	HIGHEST
		36.0	CARBONATE AS CO3	06/21/2011-09/18/2012	5	9.0	19.4000	32.0	1.58	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.17	BORON (B) DIS	06/21/2011-09/18/2012	5	0.15	0.1620	0.17	0.96	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.18	IRON (FE) DIS	06/21/2011-09/18/2012	5	0.05	0.1180	0.16	1.52	HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		0.054	MANGANESE (MN) DIS	06/21/2011-09/18/2012	5	0.065	0.0860	0.124	1.36	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-09/18/2012	5	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B7-U	11/30/2012	44.3	SODIUM ADSORPTION RATIO	06/21/2011-09/18/2012	5	46.1	48.7200	53.7	1.33	LOWEST
		935.0	SC (UMHOS/CM AT 25 C)	06/21/2011-09/18/2012	5	971.0	1716.0000	4290.0	0.54	LOWEST
		40.0	CARBONATE AS CO3	06/21/2011-09/18/2012	5	<4.0	24.8000	35.0	1.18	HIGHEST
		8.0	CHLORIDE (CL)	06/21/2011-09/18/2012	5	9.0	10.0000	12.0	1.63	LOWEST
		4.4	FLUORIDE (F)	06/21/2011-09/18/2012	5	1.0	1.7200	2.0	6.37	HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NITRATE + NITRITE AS N	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-09/18/2012	5	0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B8-KL	11/14/2012	8.7	PH	08/23/2011-09/05/2012	5	8.2	8.3800	8.6	1.95	HIGHEST
		520.0	TOTAL ALKALINITY AS CACO3	08/23/2011-09/05/2012	5	470.0	503.6000	520.0	0.81	HIGHEST
		17.0	CHLORIDE (CL)	08/23/2011-09/05/2012	5	10.0	13.0000	16.0	1.63	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	08/23/2011-09/05/2012	5	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B8-KU	11/15/2012	1200.0	SULFATE (SO4)	08/23/2011-09/05/2012	5	1300.0	1402.0000	1510.0	1.97	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B8-O	11/15/2012	8.3	PH	08/23/2011-09/05/2012	5	7.7	7.9000	8.2	1.89	HIGHEST
		2410.0	SC (UMHOS/CM AT 25 C)	08/23/2011-09/05/2012	5	2060.0	2212.0000	2300.0	2.10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-09/05/2012	5	0.01	0.0920	0.4	0.48	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.014	BARIUM (BA) DIS	08/23/2011-09/05/2012	5	0.015	0.0170	0.02	1.41	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	0.01	0.0140	0.03	0.45	LOWEST
		<0.1	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B8-U	11/15/2012	40.9	SODIUM ADSORPTION RATIO	08/24/2011-09/05/2012	5	15.4	30.9000	37.6	1.09	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-09/05/2012	5	1.0	3.0000	9.0	0.59	LOWEST
		40.0	CHLORIDE (CL)	08/24/2011-09/05/2012	5	37.0	39.0000	40.0	0.71	HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NITRATE + NITRITE AS N	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	08/24/2011-09/05/2012	5	0.004	0.0082	0.018	0.90	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-09/05/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B9-K	11/29/2012	1.0	MAGNESIUM (MG) DIS	08/23/2011-09/05/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-09/05/2012	5	2.0	2.0000	2.0		HIGHEST
		950.0	TOTAL ALKALINITY AS CACO3	08/23/2011-09/05/2012	5	840.0	910.0000	940.0	0.98	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/23/2011-09/05/2012	5	970.0	1014.0000	1100.0	1.73	HIGHEST
		48.0	CARBONATE AS CO3	08/23/2011-09/05/2012	5	29.0	40.8000	48.0	0.98	HIGHEST
		20.0	CHLORIDE (CL)	08/23/2011-09/05/2012	5	21.0	21.8000	23.0	2.15	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		0.099	BARIUM (BA) DIS	08/23/2011-09/05/2012	5	0.087	0.0912	0.095	2.33	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-09/05/2012	5	0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B9-U	11/29/2012	<1.0	MAGNESIUM (MG) DIS	08/24/2011-09/05/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-09/05/2012	5	1.0	1.0000	1.0		HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	08/24/2011-09/05/2012	5	500.0	544.0000	560.0	0.64	HIGHEST
		36.0	CARBONATE AS CO3	08/24/2011-09/05/2012	5	21.0	27.6000	33.0	1.69	HIGHEST
		22.0	CHLORIDE (CL)	08/24/2011-09/05/2012	5	23.0	24.8000	26.0	2.15	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-09/05/2012	5	0.2	0.6400	1.5	1.04	LOWEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		0.06	IRON (FE) DIS	08/24/2011-09/05/2012	5	0.07	0.3080	0.6	1.07	LOWEST
		0.012	MANGANESE (MN) DIS	08/24/2011-09/05/2012	5	0.013	0.0188	0.026	1.17	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-09/05/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
B10-KL	11/29/2012	<1.0	MAGNESIUM (MG) DIS	06/22/2011-09/18/2012	5	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-09/18/2012	5	2.0	2.0000	2.0		HIGHEST
		820.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/18/2012	5	810.0	812.0000	820.0	1.79	HIGHEST
		46.0	CARBONATE AS CO3	06/22/2011-09/18/2012	5	31.0	38.0000	44.0	1.73	HIGHEST
		2.6	FLUORIDE (F)	06/22/2011-09/18/2012	5	2.9	2.9800	3.0	8.50	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.016	MANGANESE (MN) DIS	06/22/2011-09/18/2012	5	0.017	0.0234	0.041	0.74	LOWEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
B10-KU	11/29/2012	4090.0	TDS (MEASURED AT 180 C)	03/10/2011-09/18/2012	6	3660.0	3833.3333	3900	2.90	HIGHEST
		1200.0	TOTAL ALKALINITY AS CACO3	03/10/2011-09/18/2012	6	1180	1196.6667	1200.0	0.41	HIGHEST
		15.0	CARBONATE AS CO3	03/10/2011-09/18/2012	6	<1.0		14.0		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-09/18/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	6	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-09/18/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-09/18/2012	6	0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-09/18/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-09/18/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-09/18/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-09/18/2012	6	<0.1		<0.1		HIGHEST
B10-O	11/29/2012	30.0	MAGNESIUM (MG) DIS	06/22/2011-09/18/2012	5	24.0	27.2000	30.0	1.17	HIGHEST
		1200.0	SULFATE (SO4)	06/22/2011-09/18/2012	5	1200.0	1200.0000	1200.0		HIGHEST
		10.0	CHLORIDE (CL)	06/22/2011-09/18/2012	5	11.0	12.6000	15.0	1.43	LOWEST
		0.003	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	5	<0.001	0.0018	0.003	1.43	HIGHEST
		0.43	BORON (B) DIS	06/22/2011-09/18/2012	5	0.03	0.2960	0.39	0.89	HIGHEST
		0.019	COPPER (CU) DIS	06/22/2011-09/18/2012	5	0.002	0.0104	0.019	1.10	HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
B10-U	11/29/2012	<1.0	MAGNESIUM (MG) DIS	03/10/2011-09/18/2012	6	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	03/10/2011-09/18/2012	6	2.0	2.0000	2.0		HIGHEST
		39.0	CARBONATE AS CO3	03/10/2011-09/18/2012	6	<4.0	20.9333	32.0	1.67	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-09/18/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-09/18/2012	6	<0.003		<0.003		HIGHEST
		0.128	BARIUM (BA) DIS	03/10/2011-09/18/2012	6	0.11	0.1200	0.126	1.34	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	6	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-09/18/2012	6	<0.00008		<0.000080		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-09/18/2012	6	<0.001		<0.0010		HIGHEST
		<0.0005	LEAD (PB) DIS	03/10/2011-09/18/2012	6	<0.0005		<0.00050		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-09/18/2012	6	NA		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-09/18/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-09/18/2012	6	<0.01		<0.010		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-09/18/2012	6	<0.001		<0.0010		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-09/18/2012	6	<0.1		<0.10		HIGHEST
		<0.01	ZINC (ZN) DIS	03/10/2011-09/18/2012	6	<0.01		<0.010		HIGHEST
B11-K	11/28/2012	<1.0	MAGNESIUM (MG) DIS	06/22/2011-09/06/2012	5	<1.0		<1.0		HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/06/2012	5	580.0	618.0000	640.0	0.96	HIGHEST
		34.0	CARBONATE AS CO3	06/22/2011-09/06/2012	5	18.0	25.0000	29.0	1.88	HIGHEST
		3.0	SULFATE (SO4)	06/22/2011-09/06/2012	5	4.0	11.0000	28.0	0.82	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		0.116	BARIUM (BA) DIS	06/22/2011-09/06/2012	5	0.088	0.1000	0.108	1.91	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	06/22/2011-09/06/2012	5	0.13	0.1320	0.14	2.68	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	VANADIUM (V) DIS	06/22/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
B11-O	11/28/2012	6330.0	TDS (MEASURED AT 180 C)	06/23/2011-09/06/2012	5	5240.0	5652.0000	5910.0	2.55	HIGHEST
		75.0	CALCIUM (CA) DIS	06/23/2011-09/06/2012	5	68	71.6000	74.0	1.48	HIGHEST
		<10.0	CHLORIDE (CL)	06/23/2011-09/06/2012	5	13.0	16.8000	21.0	1.80	LOWEST
		0.56	NITRATE + NITRITE AS N	06/23/2011-09/06/2012	5	<0.01	0.0560	0.14	8.80	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.193	MANGANESE (MN) DIS	06/23/2011-09/06/2012	5	0.214	0.2436	0.320	1.16	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-09/06/2012	5	0.01	0.0160	0.02	1.10	LOWEST
		<0.1	VANADIUM (V) DIS	06/23/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
B11-U	11/28/2012	38.0	SODIUM ADSORPTION RATIO	06/24/2011-09/06/2012	5	34.1	36.6200	37.6	0.97	HIGHEST
		2.0	CALCIUM (CA) DIS	06/24/2011-09/06/2012	5	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-09/06/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-09/06/2012	5	1.0	1.0000	1.0		HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	06/24/2011-09/06/2012	5	500.0	538.0000	550.0	1.01	HIGHEST
		39.0	CARBONATE AS CO3	06/24/2011-09/06/2012	5	<4.0	25.2000	36.0	1.09	HIGHEST
		7.0	CHLORIDE (CL)	06/24/2011-09/06/2012	5	8.0	8.4000	9.0	2.56	LOWEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		0.061	BARIUM (BA) DIS	06/24/2011-09/06/2012	5	0.056	0.0580	0.06	2.12	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-09/06/2012	5	0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
C-2	11/15/2012	7.95	SODIUM ADSORPTION RATIO	06/29/2011-09/06/2012	5	7.28	7.5800	7.79	1.91	HIGHEST
		3050.0	SC (UMHOS/CM AT 25 C)	06/29/2011-09/06/2012	5	2480.0	2792.0000	3000.0	1.16	HIGHEST
		74.0	CALCIUM (CA) DIS	06/29/2011-09/06/2012	5	68.0	70.8000	73.0	1.48	HIGHEST
		122.0	MAGNESIUM (MG) DIS	06/29/2011-09/06/2012	5	111.0	114.2000	116.0	3.60	HIGHEST
		1000.0	SULFATE (SO4)	06/29/2011-09/06/2012	5	820.0	918.0000	1000.0	1.09	HIGHEST
		22.0	CHLORIDE (CL)	06/29/2011-09/06/2012	5	24.0	25.8000	29.0	1.98	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/29/2011-09/06/2012	5	0.003	0.0036	0.004	0.73	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.38	BORON (B) DIS	06/29/2011-09/06/2012	5	0.39	0.4100	0.45	1.28	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	06/29/2011-09/06/2012	5	0.002	0.0024	0.003	1.10	HIGHEST
		<0.05	IRON (FE) DIS	06/29/2011-09/06/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
C-3	12/05/2012	6.63	SODIUM ADSORPTION RATIO	06/22/2011-09/05/2012	5	6.35	6.4440	6.56	2.04	HIGHEST
		186.0	MAGNESIUM (MG) DIS	06/22/2011-09/05/2012	5	169.0	174.4000	180.0	2.40	HIGHEST
		24.0	POTASSIUM (K) DIS	06/22/2011-09/05/2012	5	21.0	22.2000	23.0	2.15	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/05/2012	5	620.0	622.0000	630.0	4.02	HIGHEST
		690.0	BICARBONATE (HCO3)	06/22/2011-09/05/2012	5	760.0	762.0000	770.0	> 10	LOWEST
		45.0	CARBONATE AS CO3	06/22/2011-09/05/2012	5	<1.0		<4.0		HIGHEST
		20.0	CHLORIDE (CL)	06/22/2011-09/05/2012	5	10.0	12.0000	14.0	5.06	HIGHEST
		0.8	FLUORIDE (F)	06/22/2011-09/05/2012	5	0.7	0.7800	0.8	0.45	HIGHEST

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.01	NITRATE + NITRITE AS N	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		0.016	BARIUM (BA) DIS	06/22/2011-09/05/2012	5	0.015	0.0152	0.016	1.79	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) DIS	06/22/2011-09/05/2012	5	0.001	0.0014	0.002	1.10	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
C-4	12/05/2012	142.0	CALCIUM (CA) DIS	06/22/2011-09/05/2012	5	125.0	135.2000	139.0	1.11	HIGHEST
		230.0	MAGNESIUM (MG) DIS	06/22/2011-09/05/2012	5	205.0	212.2000	217.0	3.74	HIGHEST
		21.0	POTASSIUM (K) DIS	06/22/2011-09/05/2012	5	19.0	19.6000	20.0	2.56	HIGHEST
		720.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/05/2012	5	690.0	696.0000	710.0	2.68	HIGHEST
		760.0	BICARBONATE (HCO3)	06/22/2011-09/05/2012	5	840.0	848.0000	860.0	> 10	LOWEST
		62.0	CARBONATE AS CO3	06/22/2011-09/05/2012	5	<1.0		<4.0		HIGHEST
		36.0	CHLORIDE (CL)	06/22/2011-09/05/2012	5	12.0	15.2000	17.0	> 10	HIGHEST
		<1.0	FLUORIDE (F)	06/22/2011-09/05/2012	5	0.7	0.7200	0.8	6.26	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		0.024	BARIUM (BA) DIS	06/22/2011-09/05/2012	5	0.022	0.0226	0.024	1.57	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		0.36	BORON (B) DIS	06/22/2011-09/05/2012	5	0.33	0.3440	0.35	1.79	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		0.392	MANGANESE (MN) DIS	06/22/2011-09/05/2012	5	0.348	0.3612	0.378	2.71	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
FORTUNE	12/06/2012	9.04	SODIUM ADSORPTION RATIO	10/27/2010-08/29/2012	5	9.86	10.7320	12.2	1.89	LOWEST
		70.0	TOTAL SUSPENDED SOLIDS	10/25/2011-08/29/2012	5	NR	26.7500	70.0	1.50	HIGHEST
		657.0	MAGNESIUM (MG) TRC	10/27/2010-08/29/2012	5	684.0	738.8000	875.0	1.04	LOWEST
		1300.0	SODIUM (NA) TRC	10/27/2010-08/29/2012	5	1420	1582.0000	1950.0	1.33	LOWEST
		860.0	TOTAL ALKALINITY AS CACO3	10/27/2010-08/29/2012	5	760.0	806.0000	820.0	2.07	HIGHEST
		38.0	CARBONATE AS CO3	10/27/2010-08/29/2012	5	<1.0		<5.0		HIGHEST
		5400.0	SULFATE (SO4)	10/27/2010-08/29/2012	5	5800.0	5892.0000	6000.0	6.75	LOWEST
		15.0	CHLORIDE (CL)	10/27/2010-08/29/2012	5	19.1	27.4200	32.0	2.27	LOWEST
		16.1	NITRATE + NITRITE AS N	10/27/2010-08/29/2012	5	0.35	8.1180	12.1	1.61	HIGHEST
		<0.1	ALUMINUM (AL) DIS	10/27/2010-08/29/2012	5	<0.030		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/27/2010-08/29/2012	5	<0.030		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/27/2010-08/29/2012	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/27/2010-08/29/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-08/29/2012	5	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-08/29/2012	5	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/27/2010-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-08/29/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/27/2010-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/27/2010-08/29/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	10/27/2010-08/29/2012	5	<0.05		<0.05		HIGHEST
		<0.05	IRON (FE) TRC	10/27/2010-08/29/2012	5	<0.05		<0.05		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	10/27/2010-08/29/2012	5	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/27/2010-08/29/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	10/27/2010-08/29/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MANGANESE (MN) TRC	10/27/2010-08/29/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/27/2010-08/29/2012	5	0.0033		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-08/29/2012	5	0.0036		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/27/2010-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-08/29/2012	5	<0.01		<0.01		HIGHEST
		0.024	SELENIUM (SE) DIS	10/27/2010-08/29/2012	5	0.0021	0.0098	0.014	2.91	HIGHEST
		0.023	SELENIUM (SE) TRC	10/27/2010-08/29/2012	5	0.0015	0.0091	0.014	2.75	HIGHEST
		<0.1	VANADIUM (V) DIS	10/27/2010-08/29/2012	5	<0.0001		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-08/29/2012	5	0.00042		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/27/2010-08/29/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/27/2010-08/29/2012	5	<0.01		<0.01		HIGHEST
K-1	12/05/2012	42.1	SODIUM ADSORPTION RATIO	06/22/2011-09/06/2012	5	36.1	38.9200	41.6	1.63	HIGHEST
		2.0	MAGNESIUM (MG) DIS	06/22/2011-09/06/2012	5	2.0	2.0000	2.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-09/06/2012	5	2.0	2.0000	2.0		HIGHEST
		860.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/06/2012	5	820.0	826.0000	830.0	6.21	HIGHEST
		880.0	BICARBONATE (HCO3)	06/22/2011-09/06/2012	5	920.0	932.0000	950.0	3.99	LOWEST
		79.0	CARBONATE AS CO3	06/22/2011-09/06/2012	5	28.0	38.0000	43.0	6.83	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-09/06/2012	5	0.09	0.0920	0.1	1.79	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-09/06/2012	5	0.05	0.0600	0.07	1.00	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
K-2	12/05/2012	42.9	SODIUM ADSORPTION RATIO	06/22/2011-09/18/2012	5	39.2	40.8600	41.8	1.82	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-09/18/2012	5	<1.0		<1.0		HIGHEST
		650.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/18/2012	5	594.0	608.8000	620.0	3.52	HIGHEST
		61.0	CARBONATE AS CO3	06/22/2011-09/18/2012	5	22.0	31.4000	40.0	3.77	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		0.103	BARIUM (BA) DIS	06/22/2011-09/18/2012	5	0.09	0.0922	0.096	3.56	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	6	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-09/18/2012	5	0.09	0.0960	0.1	0.73	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-09/18/2012	5	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
K-3	11/15/2012	132.0	CALCIUM (CA) DIS	06/22/2011-09/18/2012	5	136.0	146.2000	173.0	0.93	LOWEST
		580.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/18/2012	5	600.0	617.0000	640.0	2.15	LOWEST
		710.0	BICARBONATE (HCO3)	06/22/2011-09/18/2012	5	730.0	751.6000	770.0	2.28	LOWEST

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OTTER CREEK COAL Statistical Summary

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		10.0	CHLORIDE (CL)	06/22/2011-09/18/2012	5	11.0	12.0000	13.0	2.00	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.39	BORON (B) DIS	06/22/2011-09/18/2012	5	0.29	0.3140	0.34	3.67	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/18/2012	5	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		0.091	MANGANESE (MN) DIS	06/22/2011-09/18/2012	5	0.094	0.1748	0.336	0.79	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
K-4	12/05/2012	44.0	SODIUM ADSORPTION RATIO	06/22/2011-09/18/2012	5	32.2	39.6400	43.8	1.00	HIGHEST
		2.0	CALCIUM (CA) DIS	06/22/2011-09/18/2012	5	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-09/18/2012	5	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-09/18/2012	5	1.0	1.0000	1.0		HIGHEST
		460.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/18/2012	5	430.0	442.0000	450.0	2.15	HIGHEST
		470.0	BICARBONATE (HCO3)	06/22/2011-09/18/2012	5	480.0	494.4000	510.0	1.79	LOWEST
		41.0	CARBONATE AS CO3	06/22/2011-09/18/2012	5	15.0	23.0000	29.0	2.92	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	06/22/2011-09/18/2012	5	0.1	0.1100	0.12	1.41	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-09/18/2012	5	0.05	0.1080	0.16	1.07	LOWEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-09/18/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
K-5	12/05/2012	3.0	CALCIUM (CA) DIS	06/22/2011-09/05/2012	5	2.0	2.0000	2.0		HIGHEST
		1.0	MAGNESIUM (MG) DIS	06/22/2011-09/05/2012	5	1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-09/05/2012	5	2.0	2.0000	2.0		HIGHEST
		760.0	TOTAL ALKALINITY AS CACO3	06/22/2011-09/05/2012	5	670.0	720.0000	750.0	1.33	HIGHEST
		55.0	CARBONATE AS CO3	06/22/2011-09/05/2012	5	12.0	20.2000	27.0	6.18	HIGHEST
		5.0	SULFATE (SO4)	06/22/2011-09/05/2012	5	<1.0		<2.0		HIGHEST
		1.4	FLUORIDE (F)	06/22/2011-09/05/2012	5	1.3	1.3800	1.4	0.45	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/05/2012	5	<0.003		<0.003		HIGHEST
		0.117	BARIUM (BA) DIS	06/22/2011-09/05/2012	5	0.096	0.1028	0.109	3.05	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		0.18	BORON (B) DIS	06/22/2011-09/05/2012	5	0.16	0.1600	0.16		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/05/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/05/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/05/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/05/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/05/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/05/2012	5	<0.01		<0.01		HIGHEST
K-6	12/05/2012	990.0	BICARBONATE (HCO3)	06/22/2011-09/18/2012	5	1100.0	1150.0000	1200.0	3.20	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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Datatst2 v2.0 9/93

Hydrometrics, Inc. 01/30/20

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		61.0	CARBONATE AS CO3	06/22/2011-09/18/2012	5	<1.0		11.0		HIGHEST
		850.0	SULFATE (SO4)	06/22/2011-09/18/2012	5	880.0	1018.0000	1200.0	1.26	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-09/18/2012	5	<0.01		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-09/18/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-09/18/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-09/18/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		0.53	IRON (FE) DIS	06/22/2011-09/18/2012	5	0.59	0.7320	0.89	1.42	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-09/18/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-09/18/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-09/18/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-09/18/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-09/18/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-09/18/2012	5	<0.01		<0.01		HIGHEST
P3	12/06/2012	239.0	TOTAL SUSPENDED SOLIDS	10/27/2010-09/06/2012	6	12.0	49.5000	144.0	3.75	HIGHEST
		42.8	TURBIDITY (NTU)	10/27/2010-09/06/2012	6	6.7	20.7833	39.8	1.61	HIGHEST
		1.3	ALUMINUM (AL) TRC	10/27/2010-05/03/2012	5	0.1	0.3082	0.541	5.78	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-09/06/2012	5	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/21/2011-05/03/2012	5	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-05/03/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.002	CHROMIUM (CR) TRC	10/27/2010-05/03/2012	5	<0.001		<0.001		HIGHEST
		0.005	COPPER (CU) TRC	10/27/2010-05/03/2012	5	0.0023	0.0041	0.005	0.72	HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-09/06/2012	5	0.06	0.2980	1.12	0.54	LOWEST
		6.04	IRON (FE) TRC	10/27/2010-05/03/2012	5	0.32	0.7264	1.26	> 10	HIGHEST
		0.0023	LEAD (PB) TRC	10/27/2010-05/03/2012	5	<0.0005		0.0013		HIGHEST
		0.009	MANGANESE (MN) DIS	06/24/2011-09/06/2012	5	0.01	0.1116	0.299	0.88	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-05/03/2012	5	0.0025		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-05/03/2012	5	<0.010		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	10/27/2010-05/03/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/03/2012	5	0.0017		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		0.02	ZINC (ZN) TRC	10/27/2010-05/03/2012	5	<0.010		0.01		HIGHEST
P5	12/06/2012	7860.0	SC (UMHOS/CM AT 25 C)	10/27/2010-09/06/2012	6	1970.0	4778.3333	7150	1.44	HIGHEST
		180.0	TOTAL SUSPENDED SOLIDS	10/27/2010-09/06/2012	6	<4.0	17.8167	42.0	> 10	HIGHEST
		36.4	TURBIDITY (NTU)	06/24/2011-09/06/2012	5	0.9	10.7000	35.6	1.76	HIGHEST
		1590.0	SODIUM (NA) DIS	06/24/2011-09/06/2012	5	293.0	817.6000	1410.0	1.55	HIGHEST
		330.0	TOTAL ALKALINITY AS CACO3	10/27/2010-09/06/2012	6	120.0	189.6667	300.0	2.02	HIGHEST
		340.0	BICARBONATE (HCO3)	10/27/2010-09/06/2012	6	42.0	161.0000	330.0	1.64	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		0.005	ARSENIC (AS) TRC	10/27/2010-05/03/2012	5	<0.003		0.0033		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-05/03/2012	5	NR		<0.001		HIGHEST
		0.03	BORON (B) TRC	10/27/2010-05/03/2012	5	0.0383	0.0737	0.10	1.53	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.004	CHROMIUM (CR) TRC	10/27/2010-05/03/2012	5	<0.001		0.004		HIGHEST
		0.001	COPPER (CU) DIS	06/24/2011-09/06/2012	5	0.002	0.0032	0.007	1.01	LOWEST
		3.72	IRON (FE) TRC	10/27/2010-05/03/2012	5	<0.05	0.6620	1.740	4.02	HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		0.0025	LEAD (PB) TRC	10/27/2010-05/03/2012	5	<0.0005		0.0011		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00005	MERCURY (HG) DIS	06/24/2011-09/06/2012	5	<0.00005		<0.00005		HIGHEST
		0.011	MOLYBDENUM (MO) DIS	06/24/2011-09/06/2012	5	<0.005		0.009		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/03/2012	5	0.0043		<0.1		HIGHEST
P6	12/06/2012	3320.0	SC (UMHOS/CM AT 25 C)	06/24/2011-09/06/2012	5	2750.0	3048.0000	3270.0	1.24	HIGHEST
		40.0	TOTAL SUSPENDED SOLIDS	06/24/2011-09/06/2012	5	<4.0	11.2000	20.0	4.72	HIGHEST
		15.8	TURBIDITY (NTU)	06/24/2011-09/06/2012	5	0.9	4.2400	13.2	2.28	HIGHEST
		129.0	CALCIUM (CA) DIS	06/24/2011-09/06/2012	5	35.0	80.4000	127.0	1.33	HIGHEST
		217.0	MAGNESIUM (MG) TRC	06/24/2011-05/03/2012	4	192.0	196.7500	203	4.36	HIGHEST
		395.0	SODIUM (NA) TRC	06/24/2011-05/03/2012	4	368	375.2500	383.0	2.99	HIGHEST
		660.0	TOTAL ALKALINITY AS CACO3	06/24/2011-09/06/2012	5	430.0	528.0000	560.0	2.38	HIGHEST
		690.0	BICARBONATE (HCO3)	06/24/2011-09/06/2012	5	510.0	606.0000	680.0	1.16	HIGHEST
		53.0	CARBONATE AS CO3	06/24/2011-09/06/2012	5	<1.0	18.4000	49.0	1.71	HIGHEST
		0.6	FLUORIDE (F)	06/24/2011-09/06/2012	5	0.5	0.5600	0.6	0.73	HIGHEST
		0.02	NITRATE + NITRITE AS N	06/24/2011-09/06/2012	5	<0.01		0.02		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		1.0	ALUMINUM (AL) TRC	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/24/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		0.019	BARIUM (BA) DIS	06/24/2011-09/06/2012	5	0.007	0.0102	0.019	1.77	HIGHEST
		0.025	BARIUM (BA) TRC	06/24/2011-05/03/2012	4	0.008	0.0110	0.019	2.61	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-09/06/2012	5	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-05/03/2012	4	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/24/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.001	CHROMIUM (CR) TRC	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) TRC	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-09/06/2012	5	<0.05		<0.05		HIGHEST
		0.95	IRON (FE) TRC	06/24/2011-05/03/2012	4	0.05	0.1000	0.19	> 10	HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		0.0007	LEAD (PB) TRC	06/24/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-09/06/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/24/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-1A	12/06/2012	7.17	SODIUM ADSORPTION RATIO	10/26/2011-08/29/2012	4	7.31	7.7900	8.3	1.52	LOWEST
		28.0	TOTAL SUSPENDED SOLIDS	10/26/2011-08/29/2012	4	10.0	15.7500	28.0	1.48	HIGHEST
		6.5	TURBIDITY (NTU)	10/26/2011-08/29/2012	4	1.2	3.0750	6.3	1.49	HIGHEST
		99.0	CALCIUM (CA) TRC	10/26/2011-08/29/2012	4	100.0	109.2500	128.0	0.78	LOWEST
		209.0	MAGNESIUM (MG) TRC	10/26/2011-08/29/2012	4	219.0	242.5000	260	1.65	LOWEST
		537.0	SODIUM (NA) TRC	10/26/2011-08/29/2012	4	629.0	676.5000	723.0	2.68	LOWEST
		87.0	CARBONATE AS CO3	10/26/2011-08/29/2012	4	<1.0		19.0		HIGHEST
		86.0	CHLORIDE (CL)	10/26/2011-08/29/2012	4	13.0	15.2500	21.0	> 10	HIGHEST
		<0.1	ALUMINUM (AL) DIS	10/26/2011-08/29/2012	4	<0.1		<0.1		HIGHEST
		0.2	ALUMINUM (AL) TRC	10/26/2011-08/29/2012	4	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/26/2011-08/29/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/26/2011-08/29/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/26/2011-08/29/2012	4	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/26/2011-08/29/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/26/2011-08/29/2012	4	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/26/2011-08/29/2012	4	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.05	COPPER (CU) DIS	10/26/2011-08/29/2012	4	0.001		<0.001		HIGHEST
		0.001	COPPER (CU) TRC	10/26/2011-08/29/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	10/26/2011-08/29/2012	4	0.08	0.1625	0.24	1.42	LOWEST
		<0.0005	LEAD (PB) DIS	10/26/2011-08/29/2012	4	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/26/2011-08/29/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	10/26/2011-08/29/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/26/2011-08/29/2012	4	0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/26/2011-08/29/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/26/2011-08/29/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/26/2011-08/29/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	10/26/2011-08/29/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/26/2011-08/29/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/26/2011-08/29/2012	4	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/26/2011-08/29/2012	4	<0.01		<0.01		HIGHEST
SW-2	12/06/2012	<0.1	ALUMINUM (AL) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-05/03/2012	4	0.001	0.0015	0.002	0.87	LOWEST
		0.06	MANGANESE (MN) TRC	06/15/2011-05/03/2012	4	0.063	0.2648	0.595	0.85	LOWEST
		0.005	MOLYBDENUM (MO) TRC	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/15/2011-09/06/2012	5	0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-05/03/2012	4	0.001	0.0010	<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-2	12/06/2012	<0.1	ALUMINUM (AL) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-09/06/2012	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-05/03/2012	4	0.001	0.0015	0.002	0.87	LOWEST
		0.059	MANGANESE (MN) TRC	06/15/2011-05/03/2012	4	0.063	0.2648	0.595	0.85	LOWEST
		0.005	MOLYBDENUM (MO) TRC	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-09/06/2012	5	0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-05/03/2012	4	0.001	0.0010	<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-16	12/06/2012	<0.003	ARSENIC (AS) DIS	06/15/2011-09/06/2012	5	<0.003		0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	COPPER (CU) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-05/03/2012	4	<0.001	0.0010	0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/15/2011-09/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-05/03/2012	4	<0.001	0.0010	0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
SW-22	12/06/2012	8.5	PH	06/15/2011-09/06/2012	5	8.1	8.3800	8.5	0.73	HIGHEST
		2620.0	TDS (MEASURED AT 180 C)	06/15/2011-09/06/2012	5	2700.0	2968.0000	3130.0	2.05	LOWEST
		610.0	BICARBONATE (HCO3)	06/15/2011-09/06/2012	5	640.0	670.0000	690.0	3.21	LOWEST
		44.0	CARBONATE AS CO3	06/15/2011-09/06/2012	5	<1.0	30.4000	44.0	0.80	HIGHEST
		0.4	ALUMINUM (AL) TRC	06/15/2011-05/03/2012	4	0.1	0.1250	0.2	5.50	HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		0.021	BARIUM (BA) DIS	06/15/2011-09/06/2012	5	0.023	0.0502	0.093	1.04	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-09/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.0005	LEAD (PB) TRC	06/15/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-09/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-05/03/2012	4	<0.001	0.0010	0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-09/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-09/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-05/03/2012	4	<0.01		<0.01		HIGHEST

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Q4 2012

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14	A6	GNP A6	Groundwater		
15	A7	A7	Groundwater		
16	AVF1-1	AVF1-1	Groundwater		
17	AVF1-2	AVF1-2	Groundwater		
18	AVF1-3	AVF1-3	Groundwater		
19	AVF2-1	AVF2-1	Groundwater		
20	AVF2-2	AVF2-2	Groundwater		
21	AVF2-3	AVF2-3	Groundwater		
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27	AVF3-3	GNP AVF3-3	Groundwater		
28	AVF3-4	AVF3-4	Groundwater		
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35	AVF6-2	AVF6-2	Groundwater		
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37	AVF6-4	AVF6-4	Groundwater		
38	AVF6-5	AVF6-5	Groundwater		
39	B1-K	B1-K	Groundwater		
40	B1-U	GNP B1-U	Groundwater		
41	B2-K	B2-K	Groundwater		
42	B2-O	B2-O	Groundwater		
43	B2-U	B2-U	Groundwater		
44	B3-K	STATE B3-K	Groundwater		
45	B3-U	STATE B3-U	Groundwater		
46	B4-K	STATE B4-K	Groundwater		
47	B4-O	STATE B4-O	Groundwater		
48	B4-U	STATE B4-U	Groundwater		
49	B5-K	GNP B5-K	Groundwater		
50	B5-O	GNP B5-O	Groundwater		
51	B5-U	GNP B5-U	Groundwater		
52	B6-K	STATE B6-K	Groundwater		
53	B6-O	STATE B6-O	Groundwater		
54	B6-U	STATE B6-U	Groundwater		
55	B7-KL	STATE B7-KL	Groundwater		
56	B7-KU	STATE B7-KU	Groundwater		
57	B7-O	STATE B7-O	Groundwater		
58	B7-U	STATE B7-U	Groundwater		
59	B8-KL	STATE B8-KL	Groundwater		
60	B8-KU	STATE B8-KU	Groundwater		
61	B8-O	STATE B8-O	Groundwater		
62	B8-U	STATE B8-U	Groundwater		
63	B9-K	STATE B9-K	Groundwater		
64	B9-U	STATE B9-U	Groundwater		
65	B10-KL	B10-KL	Groundwater		
66	B10-KU	B10-KU	Groundwater		
67	B10-O	B10-O	Groundwater		
68	B10-U	B10-U - Well Battery 10 Underburden	Groundwater		
69	B11-K	GNP B11-K	Groundwater		
70	B11-O	GNP B11-O	Groundwater		
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86	P4	STATE P4 Pond Water Quality Stage	POND		
87	P5	P5 Shorty Creek Resv. Upgradient Pond Water	POND		
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93	RINS BLANK	RINS BLANK	Quality Control		
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3	SW-2	SW-2 Otter Crk Dwngradient, upstream of 3 Mi	Surface Water		
5	SW-16	GNP SW-16 Otter Creek Adj to proposed mine si	Surface Water		
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91	OCC-1211-210A	2110252011	11/16/2012DI BLANK
41	OCC-1211-211	2120005002	11/26/2012B2-K
9	OCC-1211-211A	2110252012	11/16/2012A1
46	OCC-1211-212	2120005003	11/26/2012B4-K
9	OCC-1211-212A	2110252013	11/16/2012A1
47	OCC-1211-213	2120005004	11/27/2012B4-O
48	OCC-1211-214	2120005005	11/27/2012B4-U
44	OCC-1211-215	2120005006	11/27/2012B3-K
45	OCC-1211-216	2120005007	11/27/2012B3-U
53	OCC-1211-217	2120005008	11/27/2012B6-O
52	OCC-1211-218	2120005009	11/27/2012B6-K
54	OCC-1211-219	2120005010	11/27/2012B6-U
49	OCC-1211-220	2120005011	11/28/2012B5-K
51	OCC-1211-221	2120005012	11/28/2012B5-U
69	OCC-1211-222	2120005013	11/28/2012B11-K
70	OCC-1211-223	2120005014	11/28/2012B11-O
71	OCC-1211-224	2120005015	11/28/2012B11-U
67	OCC-1211-225	2120005016	11/29/2012B10-O
68	OCC-1211-226	2120005017	11/29/2012B10-U
66	OCC-1211-227	2120005018	11/29/2012B10-KU
65	OCC-1211-228	2120005019	11/29/2012B10-KL
63	OCC-1211-229	2120005020	11/29/2012B9-K
64	OCC-1211-230	2120005021	11/29/2012B9-U
50	OCC-1211-231	2120005022	11/29/2012B5-O
91	OCC-1211-232	2120005023	11/29/2012DI BLANK
57	OCC-1211-233	2120005024	11/30/2012B7-O
56	OCC-1211-234	2120005025	11/30/2012B7-KU
55	OCC-1211-235	2120005026	11/30/2012B7-KL
55	OCC-1211-236	2120005027	11/30/2012B7-KL
58	OCC-1211-237	2120005028	11/30/2012B7-U
42	OCC-1211-260		11/26/2012B2-O
72	OCC-1211-261		11/27/2012C-1
10	OCC-1211-262		11/27/2012A2
39	OCC-1211-263		11/27/2012B1-C
25	OCC-1211-264		11/15/2012AVF3-1
27	OCC-1211-265		11/15/2012AVF3-3
28	OCC-1211-266		11/15/2012AVF3-4
38	OCC-1211-267		11/15/2012AVF6-5
37	OCC-1211-268		11/15/2012AVF6-4
34	OCC-1211-269		11/15/2012AVF6-1
35	OCC-1211-270		11/15/2012AVF6-2
30	OCC-1211-271		11/16/2012AVF5-2
31	OCC-1211-272		11/16/2012AVF5-3
32	OCC-1211-273		11/16/2012AVF5-4
33	OCC-1211-274		11/16/2012AVF5-5
22	OCC-1211-275		11/16/2012AVF2-4
23	OCC-1211-276		11/16/2012AVF2-5
19	OCC-1211-277		11/16/2012AVF2-1
24	OCC-1211-278		11/16/2012AVF2-6
21	OCC-1211-279		11/16/2012AVF2-3
16	OCC-1211-280		11/16/2012AVF1-1
18	OCC-1211-281		11/16/2012AVF1-3
12	OCC-1211-300	2110239001	11/15/2012A4
11	OCC-1211-301	2110239002	11/15/2012A3
15	OCC-1211-302	2110239003	11/15/2012A7
78	OCC-1211-303	2110239004	11/15/2012K-3
40	OCC-1212-250	2120120012	12/05/2012B1-U
36	OCC-1212-251	2120120013	12/05/2012AVF6-3
74	OCC-1212-252	2120120014	12/05/2012C-3

+---------- LAB NUMBER ORDER ----------+

Page	Lab ##	Sample Number	Date Site Code
25		OCC-1211-264	11/15/2012AVF3-1
27		OCC-1211-265	11/15/2012AVF3-3
28		OCC-1211-266	11/15/2012AVF3-4
34		OCC-1211-269	11/15/2012AVF6-1
35		OCC-1211-270	11/15/2012AVF6-2
37		OCC-1211-268	11/15/2012AVF6-4
38		OCC-1211-267	11/15/2012AVF6-5
16		OCC-1211-280	11/16/2012AVF1-1
18		OCC-1211-281	11/16/2012AVF1-3
19		OCC-1211-277	11/16/2012AVF2-1
21		OCC-1211-279	11/16/2012AVF2-3
22		OCC-1211-275	11/16/2012AVF2-4
23		OCC-1211-276	11/16/2012AVF2-5
24		OCC-1211-278	11/16/2012AVF2-6
30		OCC-1211-271	11/16/2012AVF5-2
31		OCC-1211-272	11/16/2012AVF5-3
32		OCC-1211-273	11/16/2012AVF5-4
33		OCC-1211-274	11/16/2012AVF5-5
42		OCC-1211-260	11/26/2012B2-O
10		OCC-1211-262	11/27/2012A2
39		OCC-1211-263	11/27/2012B1-C
72		OCC-1211-261	11/27/2012C-1
26	2110252005	OCC-1211-204	11/15/2012AVF3-2
14	2110252006	OCC-1211-205	11/15/2012A6
73	2110252007	OCC-1211-206	11/15/2012C-2
29	2110252008	OCC-1211-207	11/16/2012AVF5-1
20	2110252009	OCC-1211-208	11/16/2012AVF2-2
17	2110252010	OCC-1211-209	11/16/2012AVF1-2
91	2110252011	OCC-1211-210A	11/16/2012DI BLANK
9	2110252012	OCC-1211-211A	11/16/2012A1
9	2110252013	OCC-1211-212A	11/16/2012A1
43	2120005001	OCC-1211-210	11/26/2012B2-U
41	2120005002	OCC-1211-211	11/26/2012B2-K
46	2120005003	OCC-1211-212	11/26/2012B4-K
47	2120005004	OCC-1211-213	11/27/2012B4-O
48	2120005005	OCC-1211-214	11/27/2012B4-U
44	2120005006	OCC-1211-215	11/27/2012B3-K
45	2120005007	OCC-1211-216	11/27/2012B3-U
53	2120005008	OCC-1211-217	11/27/2012B6-O
52	2120005009	OCC-1211-218	11/27/2012B6-K
54	2120005010	OCC-1211-219	11/27/2012B6-U
49	2120005011	OCC-1211-220	11/28/2012B5-K
51	2120005012	OCC-1211-221	11/28/2012B5-U
69	2120005013	OCC-1211-222	11/28/2012B11-K
70	2120005014	OCC-1211-223	11/28/2012B11-O
71	2120005015	OCC-1211-224	11/28/2012B11-U
67	2120005016	OCC-1211-225	11/29/2012B10-O
68	2120005017	OCC-1211-226	11/29/2012B10-U
66	2120005018	OCC-1211-227	11/29/2012B10-KU
65	2120005019	OCC-1211-228	11/29/2012B10-KL
63	2120005020	OCC-1211-229	11/29/2012B9-K
64	2120005021	OCC-1211-230	11/29/2012B9-U
50	2120005022	OCC-1211-231	11/29/2012B5-O
91	2120005023	OCC-1211-232	11/29/2012DI BLANK
57	2120005024	OCC-1211-233	11/30/2012B7-O
56	2120005025	OCC-1211-234	11/30/2012B7-KU
55	2120005026	OCC-1211-235	11/30/2012B7-KL
55	2120005027	OCC-1211-236	11/30/2012B7-KL
58	2120005028	OCC-1211-237	11/30/2012B7-U
12	2110239001	OCC-1211-300	11/15/2012A4
11	2110239002	OCC-1211-301	11/15/2012A3
15	2110239003	OCC-1211-302	11/15/2012A7
78	2110239004	OCC-1211-303	11/15/2012K-3
59	2110252001	OCC-1211-200	11/14/2012B8-KL
61	2110252002	OCC-1211-201	11/15/2012B8-O
60	2110252003	OCC-1211-202	11/15/2012B8-KU
62	2110252004	OCC-1211-203	11/15/2012B8-U
91		OCC-1212-411	12/06/2012COAL CREEK
82		OCC-1212-413	12/06/2012P1
83		OCC-1212-414	12/06/2012P2
86		OCC-1212-412	12/05/2012P4

SPRING ST

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	12/06/2012
SAMPLE TIME	15:15
LAB	EL
LAB NUMBER	2120120011
SAMPLE NUMBER	OCC-1212-410

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	8.24
PH	8.0
SODIUM ADSORPTION RATIO	7.17
SC (UMHOS/CM AT 25 C)	3800.0
SC (UMHOS/CM AT 25 C) (FLD)	3616.0
TDS (MEASURED AT 180 C)	2790.0
TOTAL SUSPENDED SOLIDS	28.0
TURBIDITY (NTU)	6.5
	J4D
WATER TEMPERATURE (FLD)	2.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	100.0
CALCIUM (CA) TRC	99.0
MAGNESIUM (MG) DIS	220.0
MAGNESIUM (MG) TRC	209.0
SODIUM (NA) DIS	559.0
SODIUM (NA) TRC	537.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	810.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	87.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	86.0
FLUORIDE (F)	1.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.17
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.022
BARIUM (BA) TRC	0.025
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.62
BORON (B) TRC	0.63
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.05
COPPER (CU) TRC	0.001
IRON (FE) DIS	<0.05
	UJ4D
IRON (FE) TRC	0.39

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	12/06/2012
SAMPLE TIME	15:15
LAB	EL
LAB NUMBER	2120120011
SAMPLE NUMBER	OCC-1212-410

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.134
MANGANESE (MN) TRC	0.145
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2
SAMPLE DATE	12/06/2012	12/06/2012
SAMPLE TIME	10:10	10:15
LAB	EL	EL
LAB NUMBER	2120120003	2120120004
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1212-402	OCC-1212-403
-- PHYSICAL PARAMETERS --		
FLOW	NO MEAS	
PH (FLD)	8.69	
PH	8.4	8.4
SODIUM ADSORPTION RATIO	5.19	5.1
SC (UMHOS/CM AT 25 C)	3720.0	3740.0
SC (UMHOS/CM AT 25 C) (FLD)	3557.0	
TDS (MEASURED AT 180 C)	2870.0	2870.0
TOTAL SUSPENDED SOLIDS	52.0	52.0
TURBIDITY (NTU)	7.8	11.5
	J4D	
WATER TEMPERATURE (FLD)	0.7	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	136.0	135.0
CALCIUM (CA) TRC	135.0	134.0
MAGNESIUM (MG) DIS	261.0	261.0
MAGNESIUM (MG) TRC	250.0	246.0
SODIUM (NA) DIS	449.0	441.0
SODIUM (NA) TRC	465.0	449.0
POTASSIUM (K) DIS	19.0	19.0
POTASSIUM (K) TRC	20.0	19.0
TOTAL ALKALINITY AS CACO3	590.0	590.0
BICARBONATE (HCO3)	620.0	620.0
CARBONATE AS CO3	48.0	49.0
SULFATE (SO4)	1700.0	1700.0
CHLORIDE (CL)	13.0	14.0
FLUORIDE (F)	0.6	0.6
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.6	0.6
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.016	0.016
BARIUM (BA) TRC	0.021	0.02
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.31	0.31
BORON (B) TRC	0.32	0.32
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
	UJ4D	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2
SAMPLE DATE	12/06/2012	12/06/2012
SAMPLE TIME	10:10	10:15
LAB	EL	EL
LAB NUMBER	2120120003	2120120004
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1212-402	OCC-1212-403
-- METALS & MINOR CONSTITUENTS --		
IRON (FE) TRC	0.61	0.58
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	<0.0005	<0.0005
MANGANESE (MN) DIS	0.047	0.046
MANGANESE (MN) TRC	0.06	0.059
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TRC	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	0.005	0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	12/06/2012
SAMPLE TIME	12:50
LAB	EL
LAB NUMBER	2120120007
SAMPLE NUMBER	OCC-1212-406

-- PHYSICAL PARAMETERS --

FLOW	
PH (FLD)	8.77
PH	8.4
SODIUM ADSORPTION RATIO	5.37
SC (UMHOS/CM AT 25 C)	3690.0
SC (UMHOS/CM AT 25 C) (FLD)	3934.0
TDS (MEASURED AT 180 C)	2780.0
TOTAL SUSPENDED SOLIDS	16.0
TURBIDITY (NTU)	5.4
	J4D
WATER TEMPERATURE (FLD)	0.9

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	134.0
CALCIUM (CA) TRC	131.0
MAGNESIUM (MG) DIS	248.0
MAGNESIUM (MG) TRC	236.0
SODIUM (NA) DIS	455.0
SODIUM (NA) TRC	439.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	19.0
TOTAL ALKALINITY AS CACO3	590.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	54.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.6

-- NUTRIENTS --

NITRATE + NITRITE AS N	0.01

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.015
BARIUM (BA) TRC	0.017
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.33
BORON (B) TRC	0.34
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
	UJ4D
IRON (FE) TRC	0.25

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	12/06/2012
SAMPLE TIME	12:50
LAB	EL
LAB NUMBER	2120120007
SAMPLE NUMBER	OCC-1212-406

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.084
MANGANESE (MN) TRC	0.091
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	0.00008
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	12/06/2012
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	2120120008
SAMPLE NUMBER	OCC-1212-407

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	8.93
PH	8.5
SODIUM ADSORPTION RATIO	5.16
SC (UMHOS/CM AT 25 C)	3590.0
SC (UMHOS/CM AT 25 C) (FLD)	2068.0
TDS (MEASURED AT 180 C)	2620.0
TOTAL SUSPENDED SOLIDS	44.0
TURBIDITY (NTU)	12.2
	J4D
WATER TEMPERATURE (FLD)	2.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	140.0
CALCIUM (CA) TRC	139.0
MAGNESIUM (MG) DIS	246.0
MAGNESIUM (MG) TRC	237.0
SODIUM (NA) DIS	438.0
SODIUM (NA) TRC	430.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	19.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.4
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.021
BARIUM (BA) TRC	0.027
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.32
BORON (B) TRC	0.32
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
	UJ4D
IRON (FE) TRC	0.62

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	12/06/2012
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	2120120008
SAMPLE NUMBER	OCC-1212-407

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0005
MANGANESE (MN) DIS	0.278
MANGANESE (MN) TRC	0.299
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1	A1
SAMPLE DATE	11/16/2012	11/16/2012
SAMPLE TIME	10:55	10:57
LAB	EL	EL
LAB NUMBER	2110252012	2110252013
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1211-211A	OCC-1211-212A
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	8.99	
PH (FLD)	7.75	
PH	7.8	7.8
SODIUM ADSORPTION RATIO	9.11	9.3
SC (UMHOS/CM AT 25 C)	2420.0	2420.0
SC (UMHOS/CM AT 25 C) (FLD)	2265.0	
TDS (MEASURED AT 180 C)	1520.0	1500.0
WATER TEMPERATURE (FLD)	12.2	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	43.0	42.0
MAGNESIUM (MG) DIS	72.0	71.0
POTASSIUM (K) DIS	24.0	24.0
TOTAL ALKALINITY AS CACO3	730.0	730.0
BICARBONATE (HCO3)	850.0	850.0
CARBONATE AS CO3	19.0	20.0
SULFATE (SO4)	580.0	580.0
CHLORIDE (CL)	76.0	76.0
FLUORIDE (F)	2.6	2.6
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	1.3	1.32
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	0.045	0.044
BARIUM (BA) DIS	0.022	0.021
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.4	0.4
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	0.01	0.01
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
	UJ4D	
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.011	0.011
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	0.005	0.006
VANADIUM (V) DIS	0.3	0.3
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A2
SAMPLE DATE	11/27/2012
SAMPLE TIME	08:16
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1211-262

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	51.15

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	11/15/2012
SAMPLE TIME	09:57
LAB	EL
LAB NUMBER	2110239002
SAMPLE NUMBER	OCC-1211-301
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.35
PH (FLD)	7.5
PH	7.7
SODIUM ADSORPTION RATIO	5.59
SC (UMHOS/CM AT 25 C)	3390.0
SC (UMHOS/CM AT 25 C) (FLD)	3400.0
TDS (MEASURED AT 180 C)	2440.0
WATER TEMPERATURE (FLD)	10.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	126.0
MAGNESIUM (MG) DIS	197.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.55
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.45
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.266
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	11/15/2012
SAMPLE TIME	09:18
LAB	EL
LAB NUMBER	2110239001
SAMPLE NUMBER	OCC-1211-300
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.09
PH (FLD)	7.3
PH	7.7
SODIUM ADSORPTION RATIO	4.89
SC (UMHOS/CM AT 25 C)	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	3120.0
TDS (MEASURED AT 180 C)	2250.0
WATER TEMPERATURE (FLD)	9.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	119.0
MAGNESIUM (MG) DIS	192.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.48
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.32
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	12/05/2012
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	2120120015
SAMPLE NUMBER	OCC-1212-253

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.18
PH (FLD)	7.56
PH	7.4
SODIUM ADSORPTION RATIO	6.31
SC (UMHOS/CM AT 25 C)	3470.0
SC (UMHOS/CM AT 25 C) (FLD)	3371.0
TDS (MEASURED AT 180 C)	2530.0
WATER TEMPERATURE (FLD)	9.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	153.0
MAGNESIUM (MG) DIS	180.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.11
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	11/15/2012
SAMPLE TIME	15:10
LAB	EL
LAB NUMBER	2110252006
SAMPLE NUMBER	OCC-1211-205
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.22
PH (FLD)	7.37
PH	7.6
SODIUM ADSORPTION RATIO	9.27
SC (UMHOS/CM AT 25 C)	5600.0
SC (UMHOS/CM AT 25 C) (FLD)	5210.0
TDS (MEASURED AT 180 C)	4470.0
WATER TEMPERATURE (FLD)	10.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	159.0
MAGNESIUM (MG) DIS	309.0
POTASSIUM (K) DIS	27.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2600.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.1
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	11/15/2012
SAMPLE TIME	10:50
LAB	EL
LAB NUMBER	2110239003
SAMPLE NUMBER	OCC-1211-302
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.36
PH (FLD)	7.5
PH	7.7
SODIUM ADSORPTION RATIO	6.88
SC (UMHOS/CM AT 25 C)	3870.0
SC (UMHOS/CM AT 25 C) (FLD)	3920.0
TDS (MEASURED AT 180 C)	2640.0
WATER TEMPERATURE (FLD)	9.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	129.0
MAGNESIUM (MG) DIS	199.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.44
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.45
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.548
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-1
SAMPLE DATE	11/16/2012
SAMPLE TIME	08:16
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-280

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	10.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	11/16/2012
SAMPLE TIME	08:41
LAB	EL
LAB NUMBER	2110252010
SAMPLE NUMBER	OCC-1211-209
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.32
PH (FLD)	7.6
PH	7.7
SODIUM ADSORPTION RATIO	5.26
SC (UMHOS/CM AT 25 C)	1730.0
SC (UMHOS/CM AT 25 C) (FLD)	1614.0
TDS (MEASURED AT 180 C)	1120.0
WATER TEMPERATURE (FLD)	10.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	55.0
MAGNESIUM (MG) DIS	68.0
POTASSIUM (K) DIS	17.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	7.0
SULFATE (SO4)	500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.58
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.64
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.192
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-3
SAMPLE DATE	11/16/2012
SAMPLE TIME	08:56
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-281

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	6.17

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-1
SAMPLE DATE	11/16/2012
SAMPLE TIME	07:30
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-277

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	6.35

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	11/16/2012
SAMPLE TIME	07:53
LAB	EL
LAB NUMBER	2110252009
SAMPLE NUMBER	OCC-1211-208
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.24
PH (FLD)	7.52
PH	7.6
SODIUM ADSORPTION RATIO	6.16
SC (UMHOS/CM AT 25 C)	3340.0
SC (UMHOS/CM AT 25 C) (FLD)	3090.0
TDS (MEASURED AT 180 C)	2470.0
WATER TEMPERATURE (FLD)	8.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	106.0
MAGNESIUM (MG) DIS	186.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.51
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.53
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.762
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-3
SAMPLE DATE	11/16/2012
SAMPLE TIME	07:50
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-279

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	6.48

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-4
SAMPLE DATE	11/16/2012
SAMPLE TIME	07:10
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-275

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	7.89

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-5
SAMPLE DATE	11/16/2012
SAMPLE TIME	07:12
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-276

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	8.34

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-6
SAMPLE DATE	11/16/2012
SAMPLE TIME	08:00
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-278

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	8.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-1
SAMPLE DATE	11/15/2012
SAMPLE TIME	13:42
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-264

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	10.56

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	11/15/2012
SAMPLE TIME	14:27
LAB	EL
LAB NUMBER	2110252005
SAMPLE NUMBER	OCC-1211-204
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	11.04
PH (FLD)	7.29
PH	7.5
SODIUM ADSORPTION RATIO	6.5
SC (UMHOS/CM AT 25 C)	4880.0
SC (UMHOS/CM AT 25 C) (FLD)	4541.0
TDS (MEASURED AT 180 C)	3700.0
WATER TEMPERATURE (FLD)	10.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	189.0
MAGNESIUM (MG) DIS	320.0
POTASSIUM (K) DIS	25.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	870.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2400.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.76
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.68
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-3
SAMPLE DATE	11/15/2012
SAMPLE TIME	13:49
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-265

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	23.49

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-4
SAMPLE DATE	11/15/2012
SAMPLE TIME	15:22
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-266

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	8.36

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	11/16/2012
SAMPLE TIME	06:39
LAB	EL
LAB NUMBER	2110252008
SAMPLE NUMBER	OCC-1211-207
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.63
PH (FLD)	7.4
PH	7.5
SODIUM ADSORPTION RATIO	3.06
SC (UMHOS/CM AT 25 C)	1550.0
SC (UMHOS/CM AT 25 C) (FLD)	1437.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	8.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	78.0
MAGNESIUM (MG) DIS	84.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	470.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.95
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.63
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.06
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-2
SAMPLE DATE	11/16/2012
SAMPLE TIME	06:48
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-271

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	18.14

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-3
SAMPLE DATE	11/16/2012
SAMPLE TIME	06:50
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-272

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	18.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-4
SAMPLE DATE	11/16/2012
SAMPLE TIME	06:53
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-273

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	22.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-5
SAMPLE DATE	11/16/2012
SAMPLE TIME	06:55
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-274

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	25.68

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-1
SAMPLE DATE	11/15/2012
SAMPLE TIME	16:39
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-269

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	14.37

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-2
SAMPLE DATE	11/15/2012
SAMPLE TIME	16:41
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-270

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	14.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	12/05/2012
SAMPLE TIME	10:13
LAB	EL
LAB NUMBER	2120120013
SAMPLE NUMBER	OCC-1212-251
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.77
PH (FLD)	7.75
PH	7.6
SODIUM ADSORPTION RATIO	6.81
SC (UMHOS/CM AT 25 C)	3030.0
SC (UMHOS/CM AT 25 C) (FLD)	2934.0
TDS (MEASURED AT 180 C)	2170.0
WATER TEMPERATURE (FLD)	10.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	100.0
MAGNESIUM (MG) DIS	139.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	54.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.87
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.47
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.182
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-4
SAMPLE DATE	11/15/2012
SAMPLE TIME	16:33
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-268

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	22.98

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-5
SAMPLE DATE	11/15/2012
SAMPLE TIME	16:30
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
SAMPLE NUMBER	OCC-1211-267

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	12.57

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-C	SAMPLE DATE	11/27/2012
SAMPLE TIME	11:26		
LAB	HYDRO		
LAB NUMBER			
REMARKS	NO SAMPLE		
SAMPLE NUMBER	OCC-1211-263		

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	39.11

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	12/05/2012
SAMPLE TIME	09:18
LAB	EL
LAB NUMBER	2120120012
SAMPLE NUMBER	OCC-1212-250
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	39.78
PH (FLD)	7.62
PH	7.7
SODIUM ADSORPTION RATIO	1.84
SC (UMHOS/CM AT 25 C)	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1379.0
TDS (MEASURED AT 180 C)	959.0
WATER TEMPERATURE (FLD)	10.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	65.0
MAGNESIUM (MG) DIS	103.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	300.0
BICARBONATE (HCO3)	320.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	500.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.47
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.029
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.019
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	11/26/2012
SAMPLE TIME	12:53
LAB	EL
LAB NUMBER	2120005002
SAMPLE NUMBER	OCC-1211-211
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.61
PH (FLD)	7.78
PH	8.2
SODIUM ADSORPTION RATIO	53.8
SC (UMHOS/CM AT 25 C)	4740.0
SC (UMHOS/CM AT 25 C) (FLD)	4561.0
TDS (MEASURED AT 180 C)	3280.0
	H
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	21.0
MAGNESIUM (MG) DIS	8.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	33.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.037
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-O
SAMPLE DATE	11/26/2012
SAMPLE TIME	11:34
LAB	HYDRO
LAB NUMBER	
SAMPLE NUMBER	OCC-1211-260

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	11/26/2012
SAMPLE TIME	11:48
LAB	EL
LAB NUMBER	2120005001
SAMPLE NUMBER	OCC-1211-210
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.92
PH (FLD)	8.59
PH	8.4
SODIUM ADSORPTION RATIO	46.0
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1152.0
TDS (MEASURED AT 180 C)	711.0
	H
WATER TEMPERATURE (FLD)	16.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	720.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	30.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.063
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	11/27/2012
SAMPLE TIME	09:11
LAB	EL
LAB NUMBER	2120005006
SAMPLE NUMBER	OCC-1211-215
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.31
PH (FLD)	6.56
PH	7.4
SODIUM ADSORPTION RATIO	23.7
SC (UMHOS/CM AT 25 C)	6680.0
SC (UMHOS/CM AT 25 C) (FLD)	6310.0
TDS (MEASURED AT 180 C)	5270.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	166.0
MAGNESIUM (MG) DIS	72.0
POTASSIUM (K) DIS	9.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	36.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.6
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.005
IRON (FE) DIS	1.11
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.124
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	11/27/2012
SAMPLE TIME	10:41
LAB	EL
LAB NUMBER	2120005007
SAMPLE NUMBER	OCC-1211-216
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	196.15
PH (FLD)	8.58
PH	8.4
SODIUM ADSORPTION RATIO	42.0
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1116.0
TDS (MEASURED AT 180 C)	712.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	730.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.066
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.11
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	11/26/2012
SAMPLE TIME	14:52
LAB	EL
LAB NUMBER	2120005003
SAMPLE NUMBER	OCC-1211-212
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.14
PH (FLD)	7.33
PH	7.9
SODIUM ADSORPTION RATIO	27.7
SC (UMHOS/CM AT 25 C)	5180.0
SC (UMHOS/CM AT 25 C) (FLD)	4971.0
TDS (MEASURED AT 180 C)	3550.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	36.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	810.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	10.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.01
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.5
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.059
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	11/27/2012
SAMPLE TIME	07:15
LAB	EL
LAB NUMBER	2120005004
SAMPLE NUMBER	OCC-1211-213
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.54
PH (FLD)	6.8
PH	7.1
SODIUM ADSORPTION RATIO	4.05
SC (UMHOS/CM AT 25 C)	4360.0
SC (UMHOS/CM AT 25 C) (FLD)	4067.0
TDS (MEASURED AT 180 C)	3600.0
WATER TEMPERATURE (FLD)	10.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	159.0
MAGNESIUM (MG) DIS	411.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.052
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	11/27/2012
SAMPLE TIME	07:56
LAB	EL
LAB NUMBER	2120005005
SAMPLE NUMBER	OCC-1211-214
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.44
PH (FLD)	8.25
PH	8.3
SODIUM ADSORPTION RATIO	44.8
SC (UMHOS/CM AT 25 C)	2210.0
SC (UMHOS/CM AT 25 C) (FLD)	2113.0
TDS (MEASURED AT 180 C)	1520.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	2.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	700.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	480.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.18
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	11/28/2012
SAMPLE TIME	07:59
LAB	EL
LAB NUMBER	2120005011
SAMPLE NUMBER	OCC-1211-220
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.45
PH (FLD)	8.1
PH	8.2
SODIUM ADSORPTION RATIO	53.4
SC (UMHOS/CM AT 25 C)	1350.0
SC (UMHOS/CM AT 25 C) (FLD)	1234.0
TDS (MEASURED AT 180 C)	826.0
WATER TEMPERATURE (FLD)	13.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	790.0
BICARBONATE (HCO3)	890.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.089
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	11/29/2012
SAMPLE TIME	15:10
LAB	EL
LAB NUMBER	2120005022
SAMPLE NUMBER	OCC-1211-231
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	143.58
PH (FLD)	8.03
PH	8.0
SODIUM ADSORPTION RATIO	37.7
SC (UMHOS/CM AT 25 C)	2390.0
SC (UMHOS/CM AT 25 C) (FLD)	2323.0
TDS (MEASURED AT 180 C)	1310.0
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	10.0
MAGNESIUM (MG) DIS	6.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	920.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	310.0
CHLORIDE (CL)	36.0
FLUORIDE (F)	4.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.6
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	14.7
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.182
BERYLLIUM (BE) DIS	0.001
BORON (B) DIS	0.18
	UJ1
CADMIUM (CD) DIS	0.00029
CHROMIUM (CR) DIS	0.022
COPPER (CU) DIS	0.022
IRON (FE) DIS	15.6
	J4D
LEAD (PB) DIS	0.0137
MANGANESE (MN) DIS	0.38
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.02
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.09

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	11/28/2012
SAMPLE TIME	09:12
LAB	EL
LAB NUMBER	2120005012
SAMPLE NUMBER	OCC-1211-221
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.54
PH (FLD)	8.7
PH	8.4
SODIUM ADSORPTION RATIO	45.2
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1024.0
TDS (MEASURED AT 180 C)	623.0
WATER TEMPERATURE (FLD)	16.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	23.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.072
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.009
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	11/27/2012
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	2120005009
SAMPLE NUMBER	OCC-1211-218

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	128.28
PH (FLD)	8.12
PH	8.2
SODIUM ADSORPTION RATIO	50.6
SC (UMHOS/CM AT 25 C)	1480.0
SC (UMHOS/CM AT 25 C) (FLD)	1420.0
TDS (MEASURED AT 180 C)	930.0
WATER TEMPERATURE (FLD)	14.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	870.0
BICARBONATE (HCO3)	980.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	8.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	<1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.095
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	11/27/2012
SAMPLE TIME	12:40
LAB	EL
LAB NUMBER	2120005008
SAMPLE NUMBER	OCC-1211-217
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.88
PH (FLD)	7.81
PH	8.2
SODIUM ADSORPTION RATIO	49.6
SC (UMHOS/CM AT 25 C)	5420.0
SC (UMHOS/CM AT 25 C) (FLD)	4974.0
TDS (MEASURED AT 180 C)	3920.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	28.0
MAGNESIUM (MG) DIS	14.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1600.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.22
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	0.15
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.068
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.14

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	11/27/2012
SAMPLE TIME	16:40
LAB	EL
LAB NUMBER	2120005010
SAMPLE NUMBER	OCC-1211-219

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.23
PH (FLD)	8.62
PH	8.4
SODIUM ADSORPTION RATIO	44.2
SC (UMHOS/CM AT 25 C)	960.0
SC (UMHOS/CM AT 25 C) (FLD)	915.0
TDS (MEASURED AT 180 C)	606.0
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	590.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.11
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL	B7-KL
SAMPLE DATE	11/30/2012	11/30/2012
SAMPLE TIME	10:17	10:19
LAB	EL	EL
LAB NUMBER	2120005026	2120005027
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1211-235	OCC-1211-236
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	208.63	
PH (FLD)	8.65	
PH	8.4	8.4
SODIUM ADSORPTION RATIO	44.0	43.1
SC (UMHOS/CM AT 25 C)	1520.0	1510.0
SC (UMHOS/CM AT 25 C) (FLD)	1502.0	
TDS (MEASURED AT 180 C)	951.0	961.0
WATER TEMPERATURE (FLD)	15.8	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	3.0	3.0
MAGNESIUM (MG) DIS	<1.0	<1.0
POTASSIUM (K) DIS	2.0	2.0
TOTAL ALKALINITY AS CACO3	340.0	340.0
BICARBONATE (HCO3)	370.0	380.0
CARBONATE AS CO3	23.0	22.0
SULFATE (SO4)	410.0	410.0
CHLORIDE (CL)	6.0	6.0
FLUORIDE (F)	0.9	0.5
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.012	0.012
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.1	0.09
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.1	0.07
	J4D	
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.008	0.007
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	11/30/2012
SAMPLE TIME	08:55
LAB	EL
LAB NUMBER	2120005025
SAMPLE NUMBER	OCC-1211-234
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.54
PH (FLD)	8.34
PH	8.3
SODIUM ADSORPTION RATIO	48.0
SC (UMHOS/CM AT 25 C)	1680.0
SC (UMHOS/CM AT 25 C) (FLD)	1630.0
TDS (MEASURED AT 180 C)	1090.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	880.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	52.0
SULFATE (SO4)	84.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.051
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.13
	J4D
LEAD (PB) DIS	0.0006
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	11/30/2012
SAMPLE TIME	07:56
LAB	EL
LAB NUMBER	2120005024
SAMPLE NUMBER	OCC-1211-233
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.84
PH (FLD)	7.77
PH	8.2
SODIUM ADSORPTION RATIO	51.2
SC (UMHOS/CM AT 25 C)	4890.0
SC (UMHOS/CM AT 25 C) (FLD)	4806.0
TDS (MEASURED AT 180 C)	3460.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	21.0
MAGNESIUM (MG) DIS	10.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	920.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.18
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.054
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	11/30/2012
SAMPLE TIME	10:58
LAB	EL
LAB NUMBER	2120005028
SAMPLE NUMBER	OCC-1211-237
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.64
PH (FLD)	8.79
PH	8.4
SODIUM ADSORPTION RATIO	44.3
SC (UMHOS/CM AT 25 C)	935.0
SC (UMHOS/CM AT 25 C) (FLD)	927.0
TDS (MEASURED AT 180 C)	573.0
WATER TEMPERATURE (FLD)	16.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	9.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	4.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.081
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	11/14/2012
SAMPLE TIME	14:46
LAB	EL
LAB NUMBER	2110252001
SAMPLE NUMBER	OCC-1211-200
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.92
PH (FLD)	8.48
PH	8.7
SODIUM ADSORPTION RATIO	38.2
SC (UMHOS/CM AT 25 C)	1590.0
SC (UMHOS/CM AT 25 C) (FLD)	1521.0
TDS (MEASURED AT 180 C)	966.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	25.0
SULFATE (SO4)	310.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	11/15/2012
SAMPLE TIME	09:14
LAB	EL
LAB NUMBER	2110252003
SAMPLE NUMBER	OCC-1211-202
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.34
PH (FLD)	6.94
PH	7.6
SODIUM ADSORPTION RATIO	5.89
SC (UMHOS/CM AT 25 C)	3290.0
SC (UMHOS/CM AT 25 C) (FLD)	3061.0
TDS (MEASURED AT 180 C)	2440.0
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	154.0
MAGNESIUM (MG) DIS	159.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.3
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.085
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	11/15/2012
SAMPLE TIME	08:18
LAB	EL
LAB NUMBER	2110252002
SAMPLE NUMBER	OCC-1211-201
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	75.57
PH (FLD)	7.34
PH	8.3
SODIUM ADSORPTION RATIO	3.75
SC (UMHOS/CM AT 25 C)	2410.0
SC (UMHOS/CM AT 25 C) (FLD)	2243.0
TDS (MEASURED AT 180 C)	1710.0
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	172.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	430.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.007
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.067
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	11/15/2012
SAMPLE TIME	10:15
LAB	EL
LAB NUMBER	2110252004
SAMPLE NUMBER	OCC-1211-203
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	148.83
PH (FLD)	8.66
PH	8.5
SODIUM ADSORPTION RATIO	40.9
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1069.0
TDS (MEASURED AT 180 C)	673.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.073
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	11/29/2012
SAMPLE TIME	12:03
LAB	EL
LAB NUMBER	2120005020
SAMPLE NUMBER	OCC-1211-229

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.87
PH (FLD)	8.33
PH	8.2
SODIUM ADSORPTION RATIO	56.5
SC (UMHOS/CM AT 25 C)	1620.0
SC (UMHOS/CM AT 25 C) (FLD)	1554.0
TDS (MEASURED AT 180 C)	985.0
WATER TEMPERATURE (FLD)	13.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	950.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	48.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.099
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.058
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	11/29/2012
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	2120005021
SAMPLE NUMBER	OCC-1211-230
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.39
PH (FLD)	8.67
PH	8.3
SODIUM ADSORPTION RATIO	42.0
SC (UMHOS/CM AT 25 C)	1020.0
SC (UMHOS/CM AT 25 C) (FLD)	998.0
TDS (MEASURED AT 180 C)	606.0
WATER TEMPERATURE (FLD)	16.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.051
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	11/29/2012
SAMPLE TIME	10:20
LAB	EL
LAB NUMBER	2120005019
SAMPLE NUMBER	OCC-1211-228
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	58.57
PH (FLD)	8.44
PH	8.3
SODIUM ADSORPTION RATIO	43.8
SC (UMHOS/CM AT 25 C)	1440.0
SC (UMHOS/CM AT 25 C) (FLD)	1384.0
TDS (MEASURED AT 180 C)	863.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	46.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	26.0
FLUORIDE (F)	2.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.122
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	11/29/2012
SAMPLE TIME	09:01
LAB	EL
LAB NUMBER	2120005018
SAMPLE NUMBER	OCC-1211-227
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.18
PH (FLD)	7.21
PH	7.8
SODIUM ADSORPTION RATIO	25.0
SC (UMHOS/CM AT 25 C)	5100.0
SC (UMHOS/CM AT 25 C) (FLD)	4941.0
TDS (MEASURED AT 180 C)	4090.0
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	94.0
MAGNESIUM (MG) DIS	42.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	15.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.26
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.6
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.043
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	11/29/2012
SAMPLE TIME	07:45
LAB	EL
LAB NUMBER	2120005016
SAMPLE NUMBER	OCC-1211-225
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.31
PH (FLD)	5.65
PH	5.8
SODIUM ADSORPTION RATIO	22.5
SC (UMHOS/CM AT 25 C)	3310.0
SC (UMHOS/CM AT 25 C) (FLD)	3046.0
TDS (MEASURED AT 180 C)	4010.0
WATER TEMPERATURE (FLD)	9.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	35.0
MAGNESIUM (MG) DIS	30.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	350.0
BICARBONATE (HCO3)	430.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.57
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	6.1
ARSENIC (AS) DIS	0.205
BARIUM (BA) DIS	0.106
BERYLLIUM (BE) DIS	0.003
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.0001
CHROMIUM (CR) DIS	0.018
COPPER (CU) DIS	0.019
IRON (FE) DIS	36.4
	J4D
LEAD (PB) DIS	0.0248
MANGANESE (MN) DIS	0.146
MERCURY (HG) DIS	0.00014
MOLYBDENUM (MO) DIS	0.026
NICKEL (NI) DIS	0.04
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	11/29/2012
SAMPLE TIME	08:11
LAB	EL
LAB NUMBER	2120005017
SAMPLE NUMBER	OCC-1211-226
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	65.79
PH (FLD)	8.51
PH	8.3
SODIUM ADSORPTION RATIO	45.0
SC (UMHOS/CM AT 25 C)	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1327.0
TDS (MEASURED AT 180 C)	820.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	59.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.128
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	11/28/2012
SAMPLE TIME	11:23
LAB	EL
LAB NUMBER	2120005013
SAMPLE NUMBER	OCC-1211-222

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	192.01
PH (FLD)	8.28
PH	8.2
SODIUM ADSORPTION RATIO	49.5
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1052.0
TDS (MEASURED AT 180 C)	670.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	3.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.116
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	11/28/2012
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	2120005014
SAMPLE NUMBER	OCC-1211-223
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	110.98
PH (FLD)	7.61
PH	7.8
SODIUM ADSORPTION RATIO	41.3
SC (UMHOS/CM AT 25 C)	7530.0
SC (UMHOS/CM AT 25 C) (FLD)	7150.0
TDS (MEASURED AT 180 C)	6330.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	40.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	740.0
BICARBONATE (HCO3)	900.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3100.0
CHLORIDE (CL)	<10.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.56
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.028
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.193
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.08

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	11/28/2012
SAMPLE TIME	14:20
LAB	EL
LAB NUMBER	2120005015
SAMPLE NUMBER	OCC-1211-224

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.91
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	38.0
SC (UMHOS/CM AT 25 C)	967.0
SC (UMHOS/CM AT 25 C) (FLD)	933.0
TDS (MEASURED AT 180 C)	584.0
WATER TEMPERATURE (FLD)	17.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.061
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	11/27/2012
SAMPLE TIME	10:54
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1211-261

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	151.6

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	11/15/2012
SAMPLE TIME	15:38
LAB	EL
LAB NUMBER	2110252007
SAMPLE NUMBER	OCC-1211-206
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	42.04
PH (FLD)	7.33
PH	7.5
SODIUM ADSORPTION RATIO	7.95
SC (UMHOS/CM AT 25 C)	3050.0
SC (UMHOS/CM AT 25 C) (FLD)	2841.0
TDS (MEASURED AT 180 C)	2100.0
WATER TEMPERATURE (FLD)	10.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	122.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	660.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	5.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.056
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.025
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.027
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	12/05/2012
SAMPLE TIME	10:51
LAB	EL
LAB NUMBER	2120120014
SAMPLE NUMBER	OCC-1212-252

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.37
PH (FLD)	7.85
PH	7.6
SODIUM ADSORPTION RATIO	6.63
SC (UMHOS/CM AT 25 C)	3470.0
SC (UMHOS/CM AT 25 C) (FLD)	3380.0
TDS (MEASURED AT 180 C)	2510.0
WATER TEMPERATURE (FLD)	12.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	112.0
MAGNESIUM (MG) DIS	186.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	690.0
CARBONATE AS CO3	45.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.5
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	3.74
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.494
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4
SAMPLE DATE	12/05/2012
SAMPLE TIME	14:02
LAB	EL
LAB NUMBER	2120120017
SAMPLE NUMBER	OCC-1212-255
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.16
PH (FLD)	7.75
PH	7.6
SODIUM ADSORPTION RATIO	7.44
SC (UMHOS/CM AT 25 C)	4170.0
SC (UMHOS/CM AT 25 C) (FLD)	4056.0
TDS (MEASURED AT 180 C)	3040.0
WATER TEMPERATURE (FLD)	12.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	142.0
MAGNESIUM (MG) DIS	230.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	62.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	36.0
FLUORIDE (F)	<1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.36
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.48
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.392
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	12/05/2012
SAMPLE TIME	14:51
LAB	EL
LAB NUMBER	2120120018
SAMPLE NUMBER	OCC-1212-256
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	74.35
PH (FLD)	8.7
PH	8.4
SODIUM ADSORPTION RATIO	42.1
SC (UMHOS/CM AT 25 C)	1630.0
SC (UMHOS/CM AT 25 C) (FLD)	1582.0
TDS (MEASURED AT 180 C)	995.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	860.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	79.0
SULFATE (SO4)	83.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.172
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	12/05/2012
SAMPLE TIME	17:03
LAB	EL
LAB NUMBER	2120120021
SAMPLE NUMBER	OCC-1212-259
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	63.0
PH (FLD)	8.91
PH	8.5
SODIUM ADSORPTION RATIO	42.9
SC (UMHOS/CM AT 25 C)	1120.0
SC (UMHOS/CM AT 25 C) (FLD)	1083.0
TDS (MEASURED AT 180 C)	665.0
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	61.0
SULFATE (SO4)	10.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.103
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	11/15/2012
SAMPLE TIME	12:05
LAB	EL
LAB NUMBER	2110239004
SAMPLE NUMBER	OCC-1211-303
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.57
PH (FLD)	7.0
PH	6.7
SODIUM ADSORPTION RATIO	3.2
SC (UMHOS/CM AT 25 C)	1960.0
SC (UMHOS/CM AT 25 C) (FLD)	1940.0
TDS (MEASURED AT 180 C)	1330.0
WATER TEMPERATURE (FLD)	13.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	132.0
MAGNESIUM (MG) DIS	91.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	570.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.027
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.02
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.091
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	12/05/2012
SAMPLE TIME	16:03
LAB	EL
LAB NUMBER	2120120019
SAMPLE NUMBER	OCC-1212-257
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	54.0
PH (FLD)	8.94
PH	8.5
SODIUM ADSORPTION RATIO	44.0
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1034.0
TDS (MEASURED AT 180 C)	653.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	460.0
BICARBONATE (HCO3)	470.0
CARBONATE AS CO3	41.0
SULFATE (SO4)	110.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
	UJ4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	12/05/2012
SAMPLE TIME	13:19
LAB	EL
LAB NUMBER	2120120016
SAMPLE NUMBER	OCC-1212-254
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.71
PH (FLD)	8.1
PH	7.8
SODIUM ADSORPTION RATIO	42.6
SC (UMHOS/CM AT 25 C)	1290.0
SC (UMHOS/CM AT 25 C) (FLD)	1288.0
TDS (MEASURED AT 180 C)	764.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	55.0
SULFATE (SO4)	5.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.117
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.18
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.24
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	12/05/2012
SAMPLE TIME	16:33
LAB	EL
LAB NUMBER	2120120020
SAMPLE NUMBER	OCC-1212-258
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.0
PH (FLD)	7.34
PH	7.6
SODIUM ADSORPTION RATIO	13.2
SC (UMHOS/CM AT 25 C)	3350.0
SC (UMHOS/CM AT 25 C) (FLD)	3247.0
TDS (MEASURED AT 180 C)	2180.0
WATER TEMPERATURE (FLD)	11.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	75.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	920.0
BICARBONATE (HCO3)	990.0
CARBONATE AS CO3	61.0
SULFATE (SO4)	850.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.22
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.53
	J4D
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.096
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	12/06/2012
SAMPLE TIME	09:55
LAB	HYDRO
LAB NUMBER	
SAMPLE NUMBER	OCC-1212-413

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P2
SAMPLE DATE	12/06/2012
SAMPLE TIME	11:00
LAB	HYDRO
LAB NUMBER	
SAMPLE NUMBER	OCC-1212-414

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	12/06/2012
SAMPLE TIME	09:25
LAB	EL
LAB NUMBER	2120120002
SAMPLE NUMBER	OCC-1212-401

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	7.7
PH	7.7
SODIUM ADSORPTION RATIO	2.45
SC (UMHOS/CM AT 25 C)	928.0
SC (UMHOS/CM AT 25 C) (FLD)	992.0
TDS (MEASURED AT 180 C)	611.0
TOTAL SUSPENDED SOLIDS	239.0
TURBIDITY (NTU)	42.8
	J4D
WATER TEMPERATURE (FLD)	1.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	55.0
CALCIUM (CA) TRC	54.0
MAGNESIUM (MG) DIS	29.0
MAGNESIUM (MG) TRC	28.0
SODIUM (NA) DIS	90.0
SODIUM (NA) TRC	96.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	16.0
TOTAL ALKALINITY AS CACO3	170.0
BICARBONATE (HCO3)	200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	280.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.3
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.005
BARIUM (BA) DIS	0.084
BARIUM (BA) TRC	0.136
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.04
	UJ1
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.002
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.005
IRON (FE) DIS	<0.05
	UJ4D

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	12/06/2012
SAMPLE TIME	09:25
LAB	EL
LAB NUMBER	2120120002
SAMPLE NUMBER	OCC-1212-401

-- METALS & MINOR CONSTITUENTS --

IRON (FE) TRC	6.04
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0023
MANGANESE (MN) DIS	0.009
MANGANESE (MN) TRC	0.303
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	12/05/2012
SAMPLE TIME	12:00
LAB	HYDRO
LAB NUMBER	
SAMPLE NUMBER	OCC-1212-412

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	12/06/2012
SAMPLE TIME	08:35
LAB	EL
LAB NUMBER	2120120001
SAMPLE NUMBER	OCC-1212-400
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.67
PH	8.7
SODIUM ADSORPTION RATIO	19.2
SC (UMHOS/CM AT 25 C)	7860.0
SC (UMHOS/CM AT 25 C) (FLD)	7070.0
TDS (MEASURED AT 180 C)	6200.0
TOTAL SUSPENDED SOLIDS	180.0
TURBIDITY (NTU)	36.4
	J4D
WATER TEMPERATURE (FLD)	1.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	113.0
CALCIUM (CA) TRC	111.0
MAGNESIUM (MG) DIS	246.0
MAGNESIUM (MG) TRC	216.0
SODIUM (NA) DIS	1590.0
SODIUM (NA) TRC	1530.0
POTASSIUM (K) DIS	21.0
POTASSIUM (K) TRC	21.0
TOTAL ALKALINITY AS CACO3	330.0
BICARBONATE (HCO3)	340.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	4300.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	2.5
ARSENIC (AS) DIS	0.004
ARSENIC (AS) TRC	0.005
BARIUM (BA) DIS	0.031
BARIUM (BA) TRC	0.064
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.03
	UJ1
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00009
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.004
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.006
IRON (FE) DIS	<0.05
	UJ4D

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	12/06/2012
SAMPLE TIME	08:35
LAB	EL
LAB NUMBER	2120120001
SAMPLE NUMBER	OCC-1212-400

-- METALS & MINOR CONSTITUENTS --

IRON (FE)	TRC	3.72
LEAD (PB)	DIS	<0.0005
LEAD (PB)	TRC	0.0025
MANGANESE (MN)	DIS	0.025
MANGANESE (MN)	TRC	0.094
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TRC	<0.00005
MOLYBDENUM (MO)	DIS	0.011
MOLYBDENUM (MO)	TRC	0.011
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	0.01
SELENIUM (SE)	DIS	0.001
SELENIUM (SE)	TRC	0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	12/06/2012
SAMPLE TIME	14:15
LAB	EL
LAB NUMBER	2120120009
SAMPLE NUMBER	OCC-1212-408

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	8.17
PH	8.0
SODIUM ADSORPTION RATIO	5.06
SC (UMHOS/CM AT 25 C)	3320.0
SC (UMHOS/CM AT 25 C) (FLD)	3190.0
TDS (MEASURED AT 180 C)	2450.0
TOTAL SUSPENDED SOLIDS	40.0
TURBIDITY (NTU)	15.8
	J4D
WATER TEMPERATURE (FLD)	4.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	129.0
CALCIUM (CA) TRC	131.0
MAGNESIUM (MG) DIS	217.0
MAGNESIUM (MG) TRC	217.0
SODIUM (NA) DIS	405.0
SODIUM (NA) TRC	395.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	660.0
BICARBONATE (HCO3)	690.0
CARBONATE AS CO3	53.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.0
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.019
BARIUM (BA) TRC	0.025
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.45
BORON (B) TRC	0.45
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	<0.05
	UJ4D
IRON (FE) TRC	0.95

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	12/06/2012
SAMPLE TIME	14:15
LAB	EL
LAB NUMBER	2120120009
SAMPLE NUMBER	OCC-1212-408

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0007
MANGANESE (MN) DIS	0.124
MANGANESE (MN) TRC	0.138
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/16/2012	11/29/2012	12/06/2012
SAMPLE TIME	11:00	17:45	10:25
LAB	EL	EL	EL
LAB NUMBER	2110252011	2120005023	2120120005
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1211-210A	OCC-1211-232	OCC-1212-404
-- PHYSICAL PARAMETERS --			
PH	5.5	5.3	5.4
SODIUM ADSORPTION RATIO	0.03	0.04	<0.01
SC (UMHOS/CM AT 25 C)	1.0	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<0.1
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS			<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	<1.0	<1.0	<1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.01
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<1.0
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.003
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.005
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	0.04	0.04	<0.001
BORON (B) TRC			0.04
CADMIUM (CD) DIS	<0.00008	<0.00008	0.04
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.00008
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.001
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.05
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.0005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TRC			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/16/2012	11/29/2012	12/06/2012
SAMPLE TIME	11:00	17:45	10:25
LAB	EL	EL	EL
LAB NUMBER	2110252011	2120005023	2120120005
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1211-210A	OCC-1211-232	OCC-1212-404
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.005
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.01
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.001
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.1
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK
SAMPLE DATE	12/06/2012
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	2120120010
REMARKS	BLANK
SAMPLE NUMBER	OCC-1212-409

-- PHYSICAL PARAMETERS --	
PH	5.4
SODIUM ADSORPTION RATIO	0.05
SC (UMHOS/CM AT 25 C)	2.0
TDS (MEASURED AT 180 C)	<4.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	<0.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	<0.1
CALCIUM (CA) TRC	<1.0
MAGNESIUM (MG) DIS	<1.0
MAGNESIUM (MG) TRC	<1.0
SODIUM (NA) DIS	<1.0
SODIUM (NA) TRC	<1.0
POTASSIUM (K) DIS	<1.0
POTASSIUM (K) TRC	<1.0
TOTAL ALKALINITY AS CACO3	<1.0
BICARBONATE (HCO3)	<1.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	<0.003
FLUORIDE (F)	<0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<1.0
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<1.0
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.005
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	<0.001
BARIUM (BA) TRC	<0.005
BERYLLIUM (BE) DIS	0.05
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	<0.00008
BORON (B) TRC	0.05
CADMIUM (CD) DIS	<0.001
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.05
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.0005
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TRC	<0.00005
MOLYBDENUM (MO) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK
SAMPLE DATE	12/06/2012
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	2120120010
REMARKS	BLANK
SAMPLE NUMBER	OCC-1212-409

-- METALS & MINOR CONSTITUENTS --

MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.001
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.1
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	12/06/2012
SAMPLE TIME	13:45
LAB	HYDRO
LAB NUMBER	
REMARKS	FIELD PARAMS
SAMPLE NUMBER	OCC-1212-411

-- PHYSICAL PARAMETERS --

FLOW (cfs)	0.001
PH (FLD)	7.7
SC (UMHOS/CM AT 25 C) (FLD)	5390.0
WATER TEMPERATURE (FLD)	7.4

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	12/06/2012
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	2120120006
SAMPLE NUMBER	OCC-1212-405
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	.0015
PH (FLD)	7.52
PH	7.4
SODIUM ADSORPTION RATIO	9.04
SC (UMHOS/CM AT 25 C)	8970.0
SC (UMHOS/CM AT 25 C) (FLD)	8640.0
TDS (MEASURED AT 180 C)	8200.0
TOTAL SUSPENDED SOLIDS	70.0
TURBIDITY (NTU)	0.3
	J4D
WATER TEMPERATURE (FLD)	4.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	346.0
CALCIUM (CA) TRC	355.0
MAGNESIUM (MG) DIS	705.0
MAGNESIUM (MG) TRC	657.0
SODIUM (NA) DIS	1280.0
SODIUM (NA) TRC	1300.0
POTASSIUM (K) DIS	26.0
POTASSIUM (K) TRC	27.0
TOTAL ALKALINITY AS CACO3	860.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	5400.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	16.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.016
BARIUM (BA) TRC	0.017
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	1.09
BORON (B) TRC	1.06
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
	UJ4D
IRON (FE) TRC	<0.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	12/06/2012
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	2120120006
SAMPLE NUMBER	OCC-1212-405

-- METALS & MINOR CONSTITUENTS --

LEAD (PB)	DIS	<0.0005
LEAD (PB)	TRC	<0.0005
MANGANESE (MN)	DIS	<0.005
MANGANESE (MN)	TRC	<0.005
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TRC	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.024
SELENIUM (SE)	TRC	0.023
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

OTTCRK - Otter Creek Coal ANALYSES SUMMARY REPORT

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+---------- LAB NUMBER ORDER ----------+

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Otter Creek Coal, LLC
January 2013 to March 2013 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

April 2013

Otter Creek Coal, LLC
January 2013 to March 2013 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 02/06/2013 through 03/09/2013
- Total number of samples taken at existing wells: 62 site samples, 2 field duplicates, 43 field observations, 4 DI and rinsate blanks, for a total of 111 samples.
- Frequency for field duplicates was 1 per 31 and 1 per 16 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 10 samples collected.

Violations involving field quality control:

- Boron, Dissolved was detected in DI Blanks OCC-1303-213 and OCC-1303-360. Affected samples are flagged with validation qualifier UJ1. Boron, Dissolved was detected in Rinsate Blanks OCC-1303-359 and OCC-1303-232. Affected samples are flagged with validation qualifier UJ1.

Violations involving laboratory quality control:

- For batches H13020128, H13020319, H13030104, H13030123, H13030136, H13030181, and H13030183, the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Samples H13030136-001--005, H13030181-001--002, and H13030183-001—004 were analyzed outside of the Total Dissolved Solids (TDS) suggested holding time. A laboratory qualifier "H" was placed on these samples. A validation qualifier "J3" was placed on these samples.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 100%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the Analytical parameters, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.
- Per the Analytical Parameters, Acidity, Total as $CaCO_3$ should be tested for if pH<6.0. The samples that had pH<6.0 were not tested for that particular analyte.
- The laboratory flagged samples H13020128-001--002 with qualifier "L" for the analyte Turbidity, as the reporting limit was the lowest available reporting limit for the analytical method used.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary Of Flagged Data
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.
L	-	The reporting limit was the lowest available reporting limit for the analytical method used.

SITE CODE	A1	A1			
SAMPLE DATE	03/07/20	03/07/20			
LAB	EL	EL			
LAB NUMBER	3030183003	3030183004	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1303-357	OCC-1303-358	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.9	7.8	1.27%	x	
SODIUM ADSORPTION RATIO	9.08	8.94	1.55%	0.02	
SC (UMHOS/CM AT 25 C)	2380.0	2380.0	0.00%	x	
TDS (MEASURED AT 180 C)	1420.0	1440.0	1.40%	x	
CALCIUM (CA) DIS	40.0	41.0	2.47%	x	
MAGNESIUM (MG) DIS	66.0	68.0	2.99%	x	
SODIUM (NA) DIS	402	401	0.25%	x	
POTASSIUM (K) DIS	21.0	21.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	720.0	720.0	0.00%	x	
BICARBONATE (HCO3)	840.0	830.0	1.20%	x	
CARBONATE AS CO3	22.0	24.0	8.70%	x	
SULFATE (SO4)	510.0	510.0	0.00%	x	
CHLORIDE (CL)	77.0	77.0	0.00%	x	
FLUORIDE (F)	2.7	2.7	0.00%	x	
HYDROXIDE (OH)	<4.0	<4.0	UDL	x	
NITRATE + NITRITE AS N	1.29	1.26	2.35%	x	
ALUMINUM (AL) DIS	<0.1	<0.1	UDL	x	
ARSENIC (AS) DIS	0.04	0.039	2.53%	x	
BARIUM (BA) DIS	0.016	0.017	6.06%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.35	0.36	2.82%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	0.01	0.01	0.00%	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	<0.05	<0.05	UDL	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	<0.005	<0.005	UDL	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	0.011	0.011	0.00%	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	0.005	0.005	0.00%	x	
VANADIUM (V) DIS	0.3	0.3	0.00%	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	B5-U	B5-U			
SAMPLE DATE	03/08/20	03/08/20			
LAB	EL	EL			
LAB NUMBER	3030181006	3030181007	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1303-225	OCC-1303-226	DIFFERENCE	LIMITS	VALIDATION NOTES
PH (FLD)	8.80	8.8	0.00%	5.62	
PH	8.4	8.4	0.00%	x	
SODIUM ADSORPTION RATIO	45.9	45.7	0.44%	0.02	
SC (UMHOS/CM AT 25 C)	1090.0	1090.0	0.00%	x	
SC (UMHOS/CM AT 25 C) (FLD)	1025	1025	0.00%	260	
TDS (MEASURED AT 180 C)	574.0	567.0	1.23%	x	
WATER TEMPERATURE (FLD)	16.0	16.0	0.00%		
CALCIUM (CA) DIS	2.0	2.0	0.00%	x	
MAGNESIUM (MG) DIS	<1.0	<1.0	UDL	x	
SODIUM (NA) DIS	261	258	1.16%	x	
POTASSIUM (K) DIS	1.0	1.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	570.0	580.0	1.74%	x	
BICARBONATE (HCO3)	610.0	600.0	1.65%	x	
CARBONATE AS CO3	46.0	48.0	4.26%	x	
SULFATE (SO4)	<1.0	<1.0	UDL	x	
CHLORIDE (CL)	29.0	28.0	3.51%	x	
FLUORIDE (F)	1.8	1.8	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.1	0.1	0.00%	x	
ARSENIC (AS) DIS	<0.003	<0.003	UDL	x	
BARIUM (BA) DIS	0.074	0.073	1.36%	x	
BERYLLIUM (BE) DIS	<0.001	<0.001	UDL	<0.001	
BORON (B) DIS	0.16	0.16	0.00%	x	
CADMIUM (CD) DIS	<0.00008	<0.00008	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	<0.05	<0.05	UDL	x	
LEAD (PB) DIS	<0.0005	<0.0005	UDL	x	
MANGANESE (MN) DIS	0.009	0.01	10.53%	x	
MERCURY (HG) DIS	<0.00005	<0.00005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.01	<0.01	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.1	<0.1	UDL	x	
ZINC (ZN) DIS	<0.01	<0.01	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

TABLE 3. SUMMARY OF FLAGGED DATA
OTTER CREEK COAL
DATE RANGE: 01/01/2013 -

DataMan Program

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B7-O	OCC-1303-202	3030123001	03/04/20	TDS (MEASURED AT 180 C)	3400.0	J4D			DUPLICATE
B7-KU	OCC-1303-204	3030123002	03/04/20	TDS (MEASURED AT 180 C)	913.0	J4D			DUPLICATE
B7-KL	OCC-1303-205	3030123003	03/04/20	TDS (MEASURED AT 180 C)	845.0	J4D			DUPLICATE
B7-U	OCC-1303-206	3030123004	03/04/20	TDS (MEASURED AT 180 C)	490.0	J4D			DUPLICATE
B9-K	OCC-1303-207	3030123005	03/04/20	TDS (MEASURED AT 180 C)	888.0	J4D			DUPLICATE
B8-KL	OCC-1303-208	3030123006	03/05/20	TDS (MEASURED AT 180 C)	1110.0	J4D			DUPLICATE
				BORON (B) DIS	0.12	UJ1			BLANK
B8-U	OCC-1303-209	3030123007	03/05/20	TDS (MEASURED AT 180 C)	638.0	J4D			DUPLICATE
				BORON (B) DIS	0.13	UJ1			BLANK
B8-KU	OCC-1303-210	3030123008	03/05/20	TDS (MEASURED AT 180 C)	2460.0	J4D			DUPLICATE
B8-O	OCC-1303-211	3030123009	03/05/20	TDS (MEASURED AT 180 C)	1660.0	J4D			DUPLICATE
B11-K	OCC-1303-212	3030123010	03/05/20	TDS (MEASURED AT 180 C)	605.0	J4D			DUPLICATE
				BORON (B) DIS	0.13	UJ1			BLANK
B11-O	OCC-1303-214	3030123012	03/05/20	TDS (MEASURED AT 180 C)	3860.0	J4D			DUPLICATE
				BORON (B) DIS	0.2	UJ1			BLANK
B11-U	OCC-1303-215	3030123013	03/05/20	TDS (MEASURED AT 180 C)	526.0	J4D			DUPLICATE
				BORON (B) DIS	0.11	UJ1			BLANK
B10-O	OCC-1303-216	3030123014	03/06/20	TDS (MEASURED AT 180 C)	3790.0	J4D			DUPLICATE
B10-U	OCC-1303-217	3030123015	03/06/20	TDS (MEASURED AT 180 C)	746.0	J4D			DUPLICATE
B10-KU	OCC-1303-218	3030123016	03/06/20	TDS (MEASURED AT 180 C)	3740.0	J4D			DUPLICATE
B10-KL	OCC-1303-219	3030123017	03/06/20	TDS (MEASURED AT 180 C)	777.0	J4D			DUPLICATE
B2-K	OCC-1303-220	3030181001	03/07/20	TDS (MEASURED AT 180 C)	1950.0	H,J4D			DUPLICATE
				BORON (B) DIS	0.15	UJ1			BLANK
B2-U	OCC-1303-221	3030181002	03/07/20	TDS (MEASURED AT 180 C)	625.0	H,J4D			DUPLICATE
				BORON (B) DIS	0.14	UJ1			BLANK
B6-O	OCC-1303-222	3030181003	03/08/20	TDS (MEASURED AT 180 C)	3620.0	J4D			DUPLICATE
B6-U	OCC-1303-223	3030181004	03/08/20	TDS (MEASURED AT 180 C)	450.0	J4D			DUPLICATE
				BORON (B) DIS	0.12	UJ1			BLANK
B6-K	OCC-1303-224	3030181005	03/08/20	TDS (MEASURED AT 180 C)	721.0	J4D			DUPLICATE
				BORON (B) DIS	0.13	UJ1			BLANK
B5-U	OCC-1303-225	3030181006	03/08/20	TDS (MEASURED AT 180 C)	574.0	J4D			DUPLICATE
				BORON (B) DIS	0.16	UJ1			BLANK
B5-U	OCC-1303-226	3030181007	03/08/20	TDS (MEASURED AT 180 C)	567.0	J4D			DUPLICATE
				BORON (B) DIS	0.16	UJ1			BLANK
B5-K	OCC-1303-227	3030181008	03/08/20	TDS (MEASURED AT 180 C)	740.0	J4D			DUPLICATE
				BORON (B) DIS	0.16	UJ1			BLANK
B5-O	OCC-1303-228	3030181009	03/08/20	TDS (MEASURED AT 180 C)	1310.0	J4D			DUPLICATE
				BORON (B) DIS	0.2	UJ1			BLANK

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B9-U	OCC-1303-229	3030181012	03/08/20	TDS (MEASURED AT 180 C)	569.0	J4D			DUPLICATE
				BORON (B) DIS	0.12	UJ1			BLANK
B3-K	OCC-1303-230	3030181010	03/09/20	TDS (MEASURED AT 180 C)	5330.0	J4D			DUPLICATE
B3-U	OCC-1303-231	3030181011	03/09/20	TDS (MEASURED AT 180 C)	626.0	J4D			DUPLICATE
P3	OCC-1303-325	3030104017	03/05/20	TDS (MEASURED AT 180 C)	275.0	J4D			DUPLICATE
				BORON (B) DIS	0.03	UJ1			BLANK
P1	OCC-1303-328	3030104018	03/05/20	TDS (MEASURED AT 180 C)	4570.0	J4D			DUPLICATE
				BORON (B) DIS	0.03	UJ1			BLANK
P5	OCC-1303-330	3030136001	03/07/20	TDS (MEASURED AT 180 C)	5240.0	H,J4D			DUPLICATE
				BORON (B) DIS	0.02	UJ1			BLANK
SW-2	OCC-1303-331	3030136002	03/07/20	TDS (MEASURED AT 180 C)	2420.0	H,J4D			DUPLICATE
SW-16	OCC-1303-332	3030136003	03/07/20	TDS (MEASURED AT 180 C)	2550.0	H,J4D			DUPLICATE
SW-22	OCC-1303-333	3030136004	03/07/20	TDS (MEASURED AT 180 C)	2580.0	H,J4D			DUPLICATE
P6	OCC-1303-334	3030136005	03/07/20	TDS (MEASURED AT 180 C)	2430.0	H,J4D			DUPLICATE
SW-1A	OCC-1303-335	3030136006	03/07/20	TDS (MEASURED AT 180 C)	3910.0	J4D			DUPLICATE
FORTUNE SP	OCC-1303-336	3030104016	03/05/20	TDS (MEASURED AT 180 C)	7030.0	J4D			DUPLICATE
K-2	OCC-1303-340	3030104001	03/04/20	TDS (MEASURED AT 180 C)	700.0	J4D			DUPLICATE
K-6	OCC-1303-341	3030104002	03/04/20	TDS (MEASURED AT 180 C)	2050.0	J4D			DUPLICATE
K-3	OCC-1303-342	3030104003	03/04/20	TDS (MEASURED AT 180 C)	1330.0	J4D			DUPLICATE
K-4	OCC-1303-343	3030104004	03/04/20	TDS (MEASURED AT 180 C)	572.0	J4D			DUPLICATE
A4	OCC-1303-344	3030104005	03/04/20	TDS (MEASURED AT 180 C)	2060.0	J4D			DUPLICATE
A3	OCC-1303-345	3030104006	03/04/20	TDS (MEASURED AT 180 C)	2200.0	J4D			DUPLICATE
A7	OCC-1303-346	3030104007	03/04/20	TDS (MEASURED AT 180 C)	2880.0	J4D			DUPLICATE
C-3	OCC-1303-347	3030104008	03/04/20	TDS (MEASURED AT 180 C)	2010.0	J4D			DUPLICATE
C-2	OCC-1303-348	3030104009	03/04/20	TDS (MEASURED AT 180 C)	1840.0	J4D			DUPLICATE
AVF2-2	OCC-1303-349	3030104010	03/04/20	TDS (MEASURED AT 180 C)	2020.0	J4D			DUPLICATE
AVF1-2	OCC-1303-350	3030104011	03/05/20	TDS (MEASURED AT 180 C)	1080.0	J4D			DUPLICATE
K-5	OCC-1303-351	3030104012	03/05/20	TDS (MEASURED AT 180 C)	715.0	J4D			DUPLICATE
				BORON (B) DIS	0.17	UJ1			BLANK
C-4	OCC-1303-352	3030104013	03/05/20	TDS (MEASURED AT 180 C)	3220.0	J4D			DUPLICATE
AVF6-3	OCC-1303-353	3030104014	03/05/20	TDS (MEASURED AT 180 C)	1540.0	J4D			DUPLICATE
A5	OCC-1303-354	3030104015	03/05/20	TDS (MEASURED AT 180 C)	2800.0	J4D			DUPLICATE
B1-U	OCC-1303-355	3030183001	03/07/20	TDS (MEASURED AT 180 C)	808.0	H,J4D			DUPLICATE
AVF5-1	OCC-1303-356	3030183002	03/07/20	TDS (MEASURED AT 180 C)	919.0	H,J4D			DUPLICATE

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
A1	OCC-1303-357	3030183003	03/07/20	TDS (MEASURED AT 180 C)	1420.0	H,J4D			DUPLICATE
A1	OCC-1303-358	3030183004	03/07/20	TDS (MEASURED AT 180 C)	1440.0	H,J4D			DUPLICATE

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. RPD: Relative Percent Difference.
>PRDL: QC Values within +/- Contract Detection Limit (+/- 2 times CRDL for Soil) for values <5 times Contract Detection Limit.
FLAGS: A: Anomalous, UJ1: Blank, J2: Standard, J3: Holding Time, J4D: Duplicate Exceedance, J4K: Spike Exceedence, J4S: Split Exceedance, J5: QC Ommission, R: Rejected, T: Frequency Violation. U: In front of flag less than detection limit.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	03/05/2013	03/07/2013	03/07/2013	03/08/2013
SAMPLE TIME	15:14	16:40	17:00	07:30
LAB	EL	EL	EL	EL
LAB NUMBER	3030123011	3030183006	3030183005	3030181013
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1303-213	OCC-1303-360	OCC-1303-359	OCC-1303-232
-- PHYSICAL PARAMETERS --				
PH	5.5	5.9	5.4	5.6
SODIUM ADSORPTION RATIO	0.03	0.04	0.04	0.04
SC (UMHOS/CM AT 25 C)	1.0	2.0	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0	<4.0
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<4.0	<4.0	<1.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	0.04	0.04	0.04	0.04
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01
-- VOLATILE ORGANICS --				
2-BUTANONE (METHYL-ETHYL-KETONE)		0.0		

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

OTTCRK - Otter Creek Coal Table 4 Summary of Blanks

INDEX

Page	Site Code	Site Name	Site Type	Elevation MP	Well Depth
1	DI BLANK	DI BLANK	Quality Control		
1	RINS BLANK	RINS BLANK	Quality Control		

OTTCRK - Otter Creek Coal Table 4 Summary of Blanks

INDEX

+---------- SAMPLE NUMBER ORDER ----------+

Page	Sample Number	Lab ##	Date	Site Code
1	OCC-1303-213	3030123011	03/05/2013	DI BLANK
1	OCC-1303-232	3030181013	03/08/2013	RINS BLANK
1	OCC-1303-359	3030183005	03/07/2013	RINS BLANK
1	OCC-1303-360	3030183006	03/07/2013	DI BLANK

+---------- LAB NUMBER ORDER ----------+

Page	Lab ##	Sample Number	Date	Site Code
1	3030123011	OCC-1303-213	03/05/2013	DI BLANK
1	3030181013	OCC-1303-232	03/08/2013	RINS BLANK
1	3030183005	OCC-1303-359	03/07/2013	RINS BLANK
1	3030183006	OCC-1303-360	03/07/2013	DI BLANK

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	03/07/2013	401.0	SODIUM (NA) DIS	08/23/2011-03/07/2013	7	402	433.0000	484.0	1.15	LOWEST
		24.0	CARBONATE AS CO3	08/23/2011-03/07/2013	7	<1.0		22.0		HIGHEST
		77.0	CHLORIDE (CL)	08/23/2011-03/07/2013	7	41.0	60.7143	77.0	1.13	HIGHEST
		<4.0	HYDROXIDE (OH)	10/18/2011-03/07/2013	6	<1.0		<4.0		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-03/07/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/07/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-03/07/2013	7	0.2	0.2571	0.3	0.80	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
A3	03/04/2013	8.3	PH (FLD)	08/24/2011-11/15/2012	6	7.49	7.5800	7.7	7.21	HIGHEST
		2200.0	TDS (MEASURED AT 180 C)	08/24/2011-11/15/2012	6	2390.0	2505.0000	2660.0	3.17	LOWEST
		13.0	WATER TEMPERATURE (FLD)	08/24/2011-11/15/2012	6	9.4	10.6833	12.9	1.88	HIGHEST
		138.0	CALCIUM (CA) DIS	08/24/2011-11/15/2012	6	124.0	127.0000	132.0	3.41	HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	08/24/2011-11/15/2012	6	620.0	625.0000	630.0	4.56	LOWEST
		730.0	BICARBONATE (HCO3)	08/24/2011-11/15/2012	6	750.0	758.3333	770.0	2.88	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		2.29	IRON (FE) DIS	08/24/2011-11/15/2012	6	2.38	2.4250	2.52	2.57	LOWEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/15/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/15/2012	6	0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
A4	03/04/2013	8.0	PH (FLD)	06/22/2011-11/15/2012	6	7.3	7.5333	7.77	2.39	HIGHEST
		3224.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-11/15/2012	6	2850	2995.0000	3120	2.00	HIGHEST
		2060.0	TDS (MEASURED AT 180 C)	06/22/2011-11/15/2012	6	2250.0	2315.0000	2420.0	4.28	LOWEST
		131.0	CALCIUM (CA) DIS	06/22/2011-11/15/2012	6	107.0	115.0000	121.0	3.29	HIGHEST
		16.0	POTASSIUM (K) DIS	06/22/2011-11/15/2012	6	14.0	15.1667	16.0	1.11	HIGHEST
		1400.0	SULFATE (SO4)	06/22/2011-11/15/2012	6	1200.0	1300.0000	1400.0	1.58	HIGHEST
		8.0	CHLORIDE (CL)	06/22/2011-11/15/2012	6	5.0	6.5000	8.0	1.22	HIGHEST
		0.8	FLUORIDE (F)	06/22/2011-11/15/2012	6	0.7	0.7667	0.8	0.65	HIGHEST
		0.03	NITRATE + NITRITE AS N	06/22/2011-11/15/2012	6	0.05	0.0767	0.12	1.71	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-11/15/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-11/15/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		1.34	MANGANESE (MN) DIS	06/22/2011-11/15/2012	6	1.26	1.2933	1.32	2.00	HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-11/15/2012	6	0.007	0.0070	0.007		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
A5	03/05/2013	7.7	PH (FLD)	08/25/2011-12/05/2012	6	7.26	7.4500	7.61	1.97	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	ALUMINUM (AL) DIS	08/25/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-12/05/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
A6	02/25/2013	7.7	PH (FLD)	06/22/2011-11/15/2012	6	7.33	7.4650	7.61	2.23	HIGHEST
		3930.0	TDS (MEASURED AT 180 C)	06/22/2011-11/15/2012	6	4200.0	4990.0000	6380.0	1.30	LOWEST
		0.3	FLUORIDE (F)	06/22/2011-11/15/2012	6	0.6	0.6333	0.7	6.45	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-11/15/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-11/15/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/22/2011-11/15/2012	6	0.008	0.0088	0.009	2.86	HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
A7	03/04/2013	8.2	PH (FLD)	08/24/2011-11/15/2012	6	7.5	7.6000	7.78	5.49	HIGHEST
		4100.0	SC (UMHOS/CM AT 25 C) (FLD)	08/24/2011-11/15/2012	6	3540	3685.0000	3920	2.65	HIGHEST
		13.1	WATER TEMPERATURE (FLD)	08/24/2011-11/15/2012	6	8.5	9.9000	12.3	2.38	HIGHEST
		144.0	CALCIUM (CA) DIS	08/24/2011-11/15/2012	6	125.0	129.6667	136.0	4.03	HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	08/24/2011-11/15/2012	6	610.0	620.0000	630.0	2.24	LOWEST
		730.0	BICARBONATE (HCO3)	08/24/2011-11/15/2012	6	740.0	753.3333	770.0	1.71	LOWEST
		1800.0	SULFATE (SO4)	08/24/2011-11/15/2012	6	1600.0	1650.0000	1700.0	2.74	HIGHEST
		17.0	CHLORIDE (CL)	08/24/2011-11/15/2012	6	11.0	13.6667	16.0	1.61	HIGHEST
		0.9	FLUORIDE (F)	08/24/2011-11/15/2012	6	0.8	0.8667	0.9	0.65	HIGHEST
		1.05	NITRATE + NITRITE AS N	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		0.2	ALUMINUM (AL) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/15/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/15/2012	6	<0.00005		<0.00005		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/15/2012	6	0.005	0.0050	0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
AVF1-2	03/05/2013	6.9	PH (FLD)	06/23/2011-11/16/2012	6	7.34	7.5483	7.67	5.48	LOWEST
		1990.0	SC (UMHOS/CM AT 25 C) (FLD)	06/23/2011-11/16/2012	6	1490	1664.0000	1799	2.98	HIGHEST
		1080.0	TDS (MEASURED AT 180 C)	06/23/2011-11/16/2012	6	1120.0	1143.3333	1170.0	2.71	LOWEST
		6.6	WATER TEMPERATURE (FLD)	06/23/2011-11/16/2012	6	9.8	11.0000	15.1	2.11	LOWEST
		57.0	CALCIUM (CA) DIS	06/23/2011-11/16/2012	6	51.0	54.6667	57.0	1.13	HIGHEST
		64.0	MAGNESIUM (MG) DIS	06/23/2011-11/16/2012	6	65.0	66.0000	68.0	1.58	LOWEST
		9.0	CHLORIDE (CL)	06/23/2011-11/16/2012	6	7.0	7.3333	8.0	3.23	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-11/16/2012	6	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-11/16/2012	6	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-11/16/2012	6	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-11/16/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-11/16/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-11/16/2012	6	<0.0005		<0.0005		HIGHEST
		0.186	MANGANESE (MN) DIS	06/23/2011-11/16/2012	6	0.188	0.1893	0.192	1.90	LOWEST
		0.01	MOLYBDENUM (MO) DIS	06/23/2011-11/16/2012	6	0.009	0.0098	0.01	0.41	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-11/16/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-11/16/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/16/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-11/16/2012	6	<0.01		<0.01		HIGHEST
AVF2-2	03/04/2013	8.1	PH (FLD)	06/23/2011-11/16/2012	5	NO MEAS	7.4500	7.6	3.97	HIGHEST
		2020.0	TDS (MEASURED AT 180 C)	06/23/2011-11/16/2012	5	2410.0	2520.0000	2750.0	3.63	LOWEST
		11.8	WATER TEMPERATURE (FLD)	06/23/2011-11/16/2012	5	8.9	9.6600	10.7	2.96	HIGHEST
		116.0	CALCIUM (CA) DIS	06/23/2011-11/16/2012	5	100.0	105.2000	109.0	3.30	HIGHEST
		470.0	TOTAL ALKALINITY AS CACO3	06/23/2011-11/16/2012	5	480.0	490.0000	500.0	2.83	LOWEST
		9.0	CHLORIDE (CL)	06/23/2011-11/16/2012	5	6.0	7.8000	9.0	0.92	HIGHEST
		0.34	NITRATE + NITRITE AS N	06/23/2011-11/16/2012	5	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-11/16/2012	5	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-11/16/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-11/16/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-11/16/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-11/16/2012	5	<0.001		<0.001		HIGHEST
		4.16	IRON (FE) DIS	06/23/2011-11/16/2012	5	4.19	4.3440	4.53	1.36	LOWEST
		<0.0005	LEAD (PB) DIS	06/23/2011-11/16/2012	5	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-11/16/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-11/16/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/16/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-11/16/2012	5	<0.01		<0.01		HIGHEST
AVF3-2	02/25/2013	5800.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-11/15/2012	6	4470	4676.8333	5000	4.89	HIGHEST
		840.0	BICARBONATE (HCO3)	06/22/2011-11/15/2012	6	850.0	858.3333	870.0	1.86	LOWEST
		2500.0	SULFATE (SO4)	06/22/2011-11/15/2012	6	2200.0	2333.3333	2500.0	1.61	HIGHEST
		28.0	CHLORIDE (CL)	06/22/2011-11/15/2012	6	17.0	20.5000	25.0	2.60	HIGHEST
		0.6	FLUORIDE (F)	06/22/2011-11/15/2012	6	0.6	0.6000	0.6		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-11/15/2012	6	0.003		<0.003		HIGHEST
		0.024	BARIUM (BA) DIS	06/22/2011-11/15/2012	6	0.021	0.0215	0.023	2.99	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		0.37	BORON (B) DIS	06/22/2011-11/15/2012	6	0.34	0.3500	0.37	1.83	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/15/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
AVF5-1	03/07/2013	3.12	SODIUM ADSORPTION RATIO	06/23/2011-11/16/2012	6	2.93	3.0100	3.1	1.66	HIGHEST
		1590.0	SC (UMHOS/CM AT 25 C)	06/23/2011-11/16/2012	6	1300.0	1461.6667	1560.0	1.25	HIGHEST
		1682.0	SC (UMHOS/CM AT 25 C) (FLD)	06/23/2011-11/16/2012	6	1390	1481.6667	1595	2.54	HIGHEST
		919.0	TDS (MEASURED AT 180 C)	06/23/2011-11/16/2012	6	961.0	1001.1667	1030.0	3.30	LOWEST
		14.0	POTASSIUM (K) DIS	06/23/2011-11/16/2012	6	12.0	13.0000	14.0	1.58	HIGHEST
		450.0	TOTAL ALKALINITY AS CACO3	06/23/2011-11/16/2012	6	430.0	435.0000	450.0	1.79	HIGHEST
		540.0	BICARBONATE (HCO3)	06/23/2011-11/16/2012	6	520.0	530.0000	540.0	1.12	HIGHEST
		8.0	CHLORIDE (CL)	06/23/2011-11/16/2012	6	6.0	6.3333	7.0	3.23	HIGHEST
		<4.0	HYDROXIDE (OH)	01/26/2012-11/16/2012	4	<1.0		<4.0		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-11/16/2012	6	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-11/16/2012	6	NR		<0.001		HIGHEST
		0.63	BORON (B) DIS	06/23/2011-11/16/2012	6	0.57	0.6083	0.63	0.97	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-11/16/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-11/16/2012	6	<0.0005		<0.0005		HIGHEST
		0.05	MANGANESE (MN) DIS	06/23/2011-11/16/2012	6	0.053	0.0572	0.061	2.25	LOWEST
		0.008	MOLYBDENUM (MO) DIS	06/23/2011-11/16/2012	6	0.007	0.0075	0.008	0.91	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-11/16/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/16/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-11/16/2012	6	<0.01		<0.01		HIGHEST
AVF6-3	03/05/2013	12.81	DEPTH TO WATER LEVEL (FEET)	08/24/2011-12/05/2012	6	12.53	12.7217	12.77	0.93	HIGHEST
		7.8	PH (FLD)	08/24/2011-12/05/2012	6	7.46	7.6133	7.75	1.66	HIGHEST
		1540.0	TDS (MEASURED AT 180 C)	08/24/2011-12/05/2012	6	1940.0	2101.6667	2220.0	5.56	LOWEST
		8.9	WATER TEMPERATURE (FLD)	08/24/2011-12/05/2012	6	10.3	11.0500	12.1	2.86	LOWEST
		108.0	CALCIUM (CA) DIS	08/24/2011-12/05/2012	6	98.0	100.5000	104.0	3.62	HIGHEST
		1200.0	SULFATE (SO4)	08/24/2011-12/05/2012	6	1000.0	1100.0000	1200.0	1.12	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		0.008	ARSENIC (AS) DIS	08/24/2011-12/05/2012	6	0.005	0.0060	0.007	3.16	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-12/05/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-12/05/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		0.004	SELENIUM (SE) DIS	08/24/2011-12/05/2012	6	0.004	0.0040	0.004		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
B1-U	03/07/2013	1623.0	SC (UMHOS/CM AT 25 C) (FLD)	06/23/2011-12/05/2012	6	1120	1367.3333	1500	1.97	HIGHEST
		808.0	TDS (MEASURED AT 180 C)	06/23/2011-12/05/2012	6	916.0	966.1667	1010.0	4.48	LOWEST
		67.0	CALCIUM (CA) DIS	06/23/2011-12/05/2012	6	59.0	63.8333	66.0	1.24	HIGHEST
		104.0	MAGNESIUM (MG) DIS	06/23/2011-12/05/2012	6	93.0	97.6667	103.0	1.90	HIGHEST
		550.0	SULFATE (SO4)	06/23/2011-12/05/2012	6	500.0	510.0000	520.0	4.47	HIGHEST
		8.0	CHLORIDE (CL)	06/23/2011-12/05/2012	6	5.0	6.2500	7.0	2.31	HIGHEST
		<4.0	HYDROXIDE (OH)	10/25/2011-12/05/2012	5	<1.0		<4.0		HIGHEST
		0.51	NITRATE + NITRITE AS N	06/23/2011-12/05/2012	6	<0.01	0.2033	0.47	1.94	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-12/05/2012	6	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-12/05/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/23/2011-12/05/2012	6	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
B2-K	03/07/2013	234.24	DEPTH TO WATER LEVEL (FEET)	06/29/2011-11/26/2012	6	234.32	234.6283	234.88	1.94	LOWEST
		4830.0	SC (UMHOS/CM AT 25 C)	06/29/2011-11/26/2012	6	4110.0	4521.6667	4750.0	1.18	HIGHEST
		4436.0	SC (UMHOS/CM AT 25 C) (FLD)	06/29/2011-11/26/2012	6	4561	4707.0000	4960	1.70	LOWEST
		1950.0	TDS (MEASURED AT 180 C)	06/29/2011-11/26/2012	6	3200.0	3281.6667	3380.0	> 10	LOWEST
		16.0	CHLORIDE (CL)	06/29/2011-11/26/2012	6	10.0	12.6667	15.0	1.70	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/29/2011-11/26/2012	6	<0.003		<0.003		HIGHEST
		0.014	BARIUM (BA) DIS	06/29/2011-11/26/2012	6	0.015	0.0183	0.023	1.47	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	06/29/2011-11/26/2012	6	0.16	0.1633	0.18	1.63	LOWEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/29/2011-11/26/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-11/26/2012	6	<0.0005		<0.0005		HIGHEST
		0.031	MANGANESE (MN) DIS	06/29/2011-11/26/2012	6	0.037	0.0557	0.082	1.51	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-11/26/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-11/26/2012	6	<0.01		0.01		HIGHEST
B2-O	03/07/2013	131.51	DEPTH TO WATER LEVEL (FEET)	N /A	2	DRY		DRY		HIGHEST
B2-U	03/07/2013	8.71	PH (FLD)	06/29/2011-11/26/2012	6	7.8	8.4250	8.68	0.86	HIGHEST
		1200.0	SC (UMHOS/CM AT 25 C)	06/29/2011-11/26/2012	6	1080.0	1151.6667	1200.0	0.94	HIGHEST
		1109.0	SC (UMHOS/CM AT 25 C) (FLD)	06/29/2011-11/26/2012	6	1139	1174.8333	1227	1.92	LOWEST
		625.0	TDS (MEASURED AT 180 C)	06/29/2011-11/26/2012	6	636.0	693.5000	725.0	1.98	LOWEST
		2.0	CALCIUM (CA) DIS	06/29/2011-11/26/2012	6	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-11/26/2012	6	<1.0		<1.0		HIGHEST
		680.0	BICARBONATE (HCO3)	06/29/2011-11/26/2012	6	690.0	705.8333	720.0	2.02	LOWEST
		50.0	CARBONATE AS CO3	06/29/2011-11/26/2012	6	28.0	32.6667	37.0	4.80	HIGHEST
		34.0	CHLORIDE (CL)	06/29/2011-11/26/2012	6	30.0	32.5000	34.0	1.09	HIGHEST
		1.8	FLUORIDE (F)	06/29/2011-11/26/2012	6	2.0	2.0500	2.2	2.99	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		0.067	BARIUM (BA) DIS	06/29/2011-11/26/2012	6	0.045	0.0567	0.063	1.62	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/29/2011-11/26/2012	6	0.12	0.1333	0.14	0.82	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-11/26/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-11/26/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
B3-K	03/09/2013	194.28	DEPTH TO WATER LEVEL (FEET)	08/24/2011-11/27/2012	6	194.31	194.3517	194.41	1.80	LOWEST
		6220.0	SC (UMHOS/CM AT 25 C) (FLD)	08/24/2011-11/27/2012	6	6310	6631.6667	7050	1.58	LOWEST
		12.8	WATER TEMPERATURE (FLD)	08/24/2011-11/27/2012	6	14.1	15.8667	18.1	1.76	LOWEST
		72.0	MAGNESIUM (MG) DIS	08/24/2011-11/27/2012	6	67.0	70.3333	72.0	0.90	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/24/2011-11/27/2012	6	1000.0	1066.6667	1100.0	0.65	HIGHEST
		3000.0	SULFATE (SO4)	08/24/2011-11/27/2012	6	2800.0	2866.6667	3000.0	1.29	HIGHEST
		49.0	CHLORIDE (CL)	08/24/2011-11/27/2012	6	34.0	40.1667	49.0	1.68	HIGHEST
		0.2	FLUORIDE (F)	08/24/2011-11/27/2012	6	0.2	0.2000	0.2	0.00	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/27/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		0.58	BORON (B) DIS	08/24/2011-11/27/2012	6	0.6	0.6417	0.67	2.34	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		0.021	CHROMIUM (CR) DIS	08/24/2011-11/27/2012	6	<0.001	0.0027	0.008	6.38	HIGHEST
		0.008	COPPER (CU) DIS	08/24/2011-11/27/2012	6	0.003	0.0053	0.008	1.29	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/27/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
B3-U	03/09/2013	195.72	DEPTH TO WATER LEVEL (FEET)	08/24/2011-11/27/2012	6	196.15	196.4333	196.65	3.37	LOWEST
		626.0	TDS (MEASURED AT 180 C)	08/24/2011-11/27/2012	6	680.0	703.0000	730.0	3.89	LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-11/27/2012	6	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-11/27/2012	6	1.0	1.0000	1.0		HIGHEST
		710.0	BICARBONATE (HCO3)	08/24/2011-11/27/2012	6	720.0	753.3333	860.0	0.82	LOWEST

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		42.0	CARBONATE AS CO3	08/24/2011-11/27/2012	6	<4.0	29.6667	42.0	0.93	HIGHEST
		16.0	CHLORIDE (CL)	08/24/2011-11/27/2012	6	12.0	13.1667	14.0	2.88	HIGHEST
		1.6	FLUORIDE (F)	08/24/2011-11/27/2012	6	1.9	1.9667	2.0	7.10	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		0.3	ALUMINUM (AL) DIS	08/24/2011-11/27/2012	6	0.1	0.1167	0.2	4.49	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/27/2012	6	<0.003		<0.003		HIGHEST
		0.067	BARIUM (BA) DIS	08/24/2011-11/27/2012	6	0.054	0.0603	0.067	1.29	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/27/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/27/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
B4-K	02/25/2013	150.04	DEPTH TO WATER LEVEL (FEET)	08/24/2011-11/26/2012	6	150.11	150.3217	150.56	1.49	LOWEST
		3230.0	TDS (MEASURED AT 180 C)	08/24/2011-11/26/2012	6	3550.0	3728.3333	4010.0	2.74	LOWEST
		11.7	WATER TEMPERATURE (FLD)	08/24/2011-11/26/2012	6	13.4	15.5167	19.1	1.86	LOWEST
		8.0	POTASSIUM (K) DIS	08/24/2011-11/26/2012	6	7.0	7.8333	8.0	0.41	HIGHEST
		17.0	CHLORIDE (CL)	08/24/2011-11/26/2012	6	10.0	13.1667	16.0	1.65	HIGHEST
		0.4	FLUORIDE (F)	08/24/2011-11/26/2012	6	0.4	0.4000	0.4	0.00	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/26/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		0.17	BORON (B) DIS	08/24/2011-11/26/2012	6	0.18	0.1933	0.21	1.93	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/26/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		0.56	IRON (FE) DIS	08/24/2011-11/26/2012	6	0.06	0.3367	0.5	1.19	HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/26/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/26/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/26/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/26/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/26/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/26/2012	6	<0.01		<0.01		HIGHEST
B4-O	02/25/2013	3760.0	SC (UMHOS/CM AT 25 C) (FLD)	08/24/2011-11/27/2012	6	4067	4314.8333	4540	3.36	LOWEST
		3180.0	TDS (MEASURED AT 180 C)	08/24/2011-11/27/2012	6	3500.0	3626.6667	3710.0	5.85	LOWEST
		1100.0	TOTAL ALKALINITY AS CACO3	08/24/2011-11/27/2012	6	1000.0	1083.3333	1100.0	0.41	HIGHEST
		1900.0	SULFATE (SO4)	08/24/2011-11/27/2012	6	1700.0	1733.3333	1800.0	3.23	HIGHEST
		19.0	CHLORIDE (CL)	08/24/2011-11/27/2012	6	12.0	16.6667	19.0	0.96	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/24/2011-11/27/2012	6	0.15	0.1600	0.17	3.35	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/27/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/27/2012	6	0.01	0.0133	0.02	0.65	LOWEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
B4-U	02/25/2013	183.0	DEPTH TO WATER LEVEL (FEET)	08/25/2011-11/27/2012	6	183.44	184.1400	185.09	1.77	LOWEST
		1913.0	SC (UMHOS/CM AT 25 C) (FLD)	08/25/2011-11/27/2012	6	2113	2212.3333	2280	5.12	LOWEST
		7.0	CALCIUM (CA) DIS	08/25/2011-11/27/2012	6	6.0	6.6667	7.0	0.65	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		3.0	POTASSIUM (K) DIS	08/25/2011-11/27/2012	6	2.0	2.3333	3.0	1.29	HIGHEST
		520.0	SULFATE (SO4)	08/25/2011-11/27/2012	6	440.0	463.3333	490.0	2.19	HIGHEST
		21.0	CHLORIDE (CL)	08/25/2011-11/27/2012	6	16.0	17.8333	19.0	2.71	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		0.001	CHROMIUM (CR) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-11/27/2012	6	0.001	0.0018	0.004	0.63	LOWEST
		0.23	IRON (FE) DIS	08/25/2011-11/27/2012	6	0.05	0.1283	0.23	1.35	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
B5-K	03/08/2013	1380.0	SC (UMHOS/CM AT 25 C)	06/23/2011-11/28/2012	6	1200.0	1285.0000	1350.0	1.43	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-11/28/2012	6	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-11/28/2012	6	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-11/28/2012	6	2.0	2.0000	2.0		HIGHEST
		57.0	CARBONATE AS CO3	06/23/2011-11/28/2012	6	17.0	29.1667	39.0	3.55	HIGHEST
		1.5	FLUORIDE (F)	06/23/2011-11/28/2012	6	1.8	1.9333	2.0	4.20	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-11/28/2012	6	<0.003		<0.003		HIGHEST
		0.092	BARIUM (BA) DIS	06/23/2011-11/28/2012	6	0.072	0.0780	0.089	2.25	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-11/28/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-11/28/2012	6	0.001		0.002		LOWEST
		<0.001	COPPER (CU) DIS	06/23/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) DIS	06/23/2011-11/28/2012	6	0.08	0.1283	0.19	1.31	LOWEST
		<0.0005	LEAD (PB) DIS	06/23/2011-11/28/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-11/28/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-11/28/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/28/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
B5-O	03/08/2013	2560.0	SC (UMHOS/CM AT 25 C)	06/23/2011-11/29/2012	6	2100.0	2330.0000	2490.0	1.61	HIGHEST
		596.0	SODIUM (NA) DIS	06/23/2011-11/29/2012	6	522.0	549.6667	581.0	1.73	HIGHEST
		980.0	TOTAL ALKALINITY AS CACO3	06/23/2011-11/29/2012	6	790.0	861.6667	920.0	1.88	HIGHEST
		1100.0	BICARBONATE (HCO3)	06/23/2011-11/29/2012	6	930.0	1025.0000	1100.0	0.89	HIGHEST
		380.0	SULFATE (SO4)	06/23/2011-11/29/2012	6	310.0	338.3333	370.0	1.95	HIGHEST
		48.0	CHLORIDE (CL)	06/23/2011-11/29/2012	6	36.0	41.8333	47.0	1.42	HIGHEST
		3.1	FLUORIDE (F)	06/23/2011-11/29/2012	6	4.0	4.0333	4.1	> 10	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		0.2	BORON (B) DIS	06/23/2011-11/29/2012	6	0.16	0.1733	0.19	2.20	HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-11/29/2012	6	0.001	0.0100	0.034	0.62	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-11/29/2012	6	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
B5-U	03/08/2013	8.8	PH (FLD)	06/23/2011-03/08/2013	7	8.50	8.6971	8.80	1.03	HIGHEST
		1090.0	SC (UMHOS/CM AT 25 C)	06/23/2011-03/08/2013	7	1010.0	1062.8571	1090.0	0.81	HIGHEST
		567.0	TDS (MEASURED AT 180 C)	06/23/2011-03/08/2013	7	574.0	619.1429	650.0	2.06	LOWEST
		2.0	CALCIUM (CA) DIS	06/23/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/23/2011-03/08/2013	7	1.0	1.0000	1.0		HIGHEST
		580.0	TOTAL ALKALINITY AS CACO3	06/23/2011-03/08/2013	7	560.0	571.4286	580.0	1.24	HIGHEST
		600.0	BICARBONATE (HCO3)	06/23/2011-03/08/2013	7	610.0	627.1429	640.0	2.85	LOWEST
		48.0	CARBONATE AS CO3	06/23/2011-03/08/2013	7	25.0	34.2857	46.0	1.86	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		0.1	ALUMINUM (AL) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-03/08/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		0.01	MANGANESE (MN) DIS	06/23/2011-03/08/2013	7	0.007	0.0079	0.009	2.38	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B6-K	03/08/2013	128.45	DEPTH TO WATER LEVEL (FEET)	08/25/2011-11/27/2012	6	126.91	127.3883	128.28	1.73	HIGHEST
		1520.0	SC (UMHOS/CM AT 25 C)	08/25/2011-11/27/2012	6	1340.0	1425.0000	1500.0	1.37	HIGHEST
		721.0	TDS (MEASURED AT 180 C)	08/25/2011-11/27/2012	6	854.0	902.6667	964.0	4.70	LOWEST
		3.0	CALCIUM (CA) DIS	08/25/2011-11/27/2012	6	2.0	2.6667	3.0	0.65	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-11/27/2012	6	1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-11/27/2012	6	2.0	2.0000	2.0		HIGHEST
		920.0	BICARBONATE (HCO3)	08/25/2011-11/27/2012	6	970.0	980.5000	1000.0	4.95	LOWEST
		61.0	CARBONATE AS CO3	08/25/2011-11/27/2012	6	23.0	31.6667	42.0	4.47	HIGHEST
		8.0	CHLORIDE (CL)	08/25/2011-11/27/2012	6	6.0	7.0000	8.0	1.58	HIGHEST
		0.8	FLUORIDE (F)	08/25/2011-11/27/2012	6	0.9	0.9500	1.0	2.74	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-11/27/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		0.004	CHROMIUM (CR) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) DIS	08/25/2011-11/27/2012	6	<0.05		0.07		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-11/27/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-11/27/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
B6-O	03/08/2013	4793.0	SC (UMHOS/CM AT 25 C) (FLD)	08/25/2011-11/27/2012	6	4920	5138.1667	5440	1.48	LOWEST
		29.0	CALCIUM (CA) DIS	08/25/2011-11/27/2012	6	25.0	26.6667	29.0	1.25	HIGHEST
		7.0	POTASSIUM (K) DIS	08/25/2011-11/27/2012	6	6.0	6.6667	7.0	0.65	HIGHEST
		1300.0	TOTAL ALKALINITY AS CACO3	08/25/2011-11/27/2012	6	1290.0	1298.3333	1300.0	0.41	HIGHEST
		60.0	CARBONATE AS CO3	08/25/2011-11/27/2012	6	10.0	29.5000	55.0	1.99	HIGHEST
		18.0	CHLORIDE (CL)	08/25/2011-11/27/2012	6	11.0	13.8333	16.0	2.27	HIGHEST
		1.2	FLUORIDE (F)	08/25/2011-11/27/2012	6	1.3	1.3167	1.4	2.86	LOWEST
		0.015	BARIUM (BA) DIS	08/25/2011-11/27/2012	6	0.016	0.0235	0.038	1.09	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		0.061	MANGANESE (MN) DIS	08/25/2011-11/27/2012	6	0.068	0.1443	0.195	1.71	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-11/27/2012	6	<0.01		0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
B6-U	03/08/2013	8.77	PH (FLD)	08/25/2011-11/27/2012	6	8.49	8.6217	8.70	1.86	HIGHEST
		45.8	SODIUM ADSORPTION RATIO	08/25/2011-11/27/2012	6	41.9	43.7333	44.9	1.97	HIGHEST
		904.0	SC (UMHOS/CM AT 25 C) (FLD)	08/25/2011-11/27/2012	6	909	939.5000	977	1.30	LOWEST
		450.0	TDS (MEASURED AT 180 C)	08/25/2011-11/27/2012	6	531.0	597.0000	654.0	3.59	LOWEST
		13.8	WATER TEMPERATURE (FLD)	08/25/2011-11/27/2012	6	14.7	17.3167	20.4	1.48	LOWEST
		2.0	CALCIUM (CA) DIS	08/25/2011-11/27/2012	6	1.0	1.6667	2.0	0.65	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-11/27/2012	6	<1.0		<1.0		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		248.0	SODIUM (NA) DIS	08/25/2011-11/27/2012	6	226.0	236.6667	247.0	1.61	HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-11/27/2012	6	1.0	1.0000	1.0		HIGHEST
		570.0	BICARBONATE (HCO3)	08/25/2011-11/27/2012	6	579.0	589.8333	600.0	2.98	LOWEST
		42.0	CARBONATE AS CO3	08/25/2011-11/27/2012	6	26.0	30.8333	35.0	3.73	HIGHEST
		<1.0	SULFATE (SO4)	08/25/2011-11/27/2012	6	<1.0		<1.0		HIGHEST
		12.0	CHLORIDE (CL)	08/25/2011-11/27/2012	6	9.0	10.1667	11.0	2.44	HIGHEST
		1.8	FLUORIDE (F)	08/25/2011-11/27/2012	6	2.0	2.0333	2.2	2.86	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-11/27/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-11/27/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-11/27/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-11/27/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-11/27/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-11/27/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-11/27/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-11/27/2012	6	<0.01		<0.01		HIGHEST
B7-KL	03/04/2013	1408.0	SC (UMHOS/CM AT 25 C) (FLD)	06/21/2011-11/30/2012	6	1452	1570.0000	1767	1.47	LOWEST
		845.0	TDS (MEASURED AT 180 C)	06/21/2011-11/30/2012	6	893.0	978.6667	1070.0	2.30	LOWEST
		14.1	WATER TEMPERATURE (FLD)	06/21/2011-11/30/2012	6	15.7	16.9833	18.4	2.33	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/21/2011-11/30/2012	6	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-11/30/2012	6	2.0	2.0000	2.0		HIGHEST
		360.0	BICARBONATE (HCO3)	06/21/2011-11/30/2012	6	370.0	382.5000	410.0	1.46	LOWEST
		9.0	CHLORIDE (CL)	06/21/2011-11/30/2012	6	6.0	7.0000	8.0	3.16	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-11/30/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-11/30/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-11/30/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/30/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-11/30/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
B7-KU	03/04/2013	1550.0	SC (UMHOS/CM AT 25 C) (FLD)	06/21/2011-11/30/2012	6	1630	2179.6667	3870	0.74	LOWEST
		913.0	TDS (MEASURED AT 180 C)	06/21/2011-11/30/2012	6	1090.0	1415.0000	2550.0	0.88	LOWEST
		13.8	WATER TEMPERATURE (FLD)	06/21/2011-11/30/2012	6	14.2	16.1500	18.1	1.59	LOWEST
		406.0	SODIUM (NA) DIS	06/21/2011-11/30/2012	6	428	535.0000	882	0.75	LOWEST
		830.0	TOTAL ALKALINITY AS CACO3	06/21/2011-11/30/2012	6	840.0	885.1667	900.0	2.35	LOWEST
		910.0	BICARBONATE (HCO3)	06/21/2011-11/30/2012	6	970.0	995.0000	1030.0	3.76	LOWEST
		13.0	CHLORIDE (CL)	06/21/2011-11/30/2012	6	10.0	11.0000	13.0	1.58	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/21/2011-11/30/2012	6	0.1	0.3833	1.0	0.83	LOWEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-11/30/2012	6	<0.003		<0.003		HIGHEST
		0.057	BARIUM (BA) DIS	06/21/2011-11/30/2012	6	0.024	0.0415	0.051	1.55	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-11/30/2012	6	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/30/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/30/2012	6	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-11/30/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B7-O	03/04/2013	4578.0	SC (UMHOS/CM AT 25 C) (FLD)	06/21/2011-11/30/2012	6	4760	4932.6667	5230	2.13	LOWEST
		13.0	WATER TEMPERATURE (FLD)	06/21/2011-11/30/2012	6	14.0	16.0167	18.2	1.74	LOWEST
		10.0	MAGNESIUM (MG) DIS	06/21/2011-11/30/2012	6	10.0	10.0000	10.0		HIGHEST
		1090.0	SODIUM (NA) DIS	06/21/2011-11/30/2012	6	1110.0	1160.0000	1260.0	1.35	LOWEST
		870.0	TOTAL ALKALINITY AS CACO3	06/21/2011-11/30/2012	6	875.0	900.8333	920.0	1.77	LOWEST
		980.0	BICARBONATE (HCO3)	06/21/2011-11/30/2012	6	1000.0	1058.3333	1100.0	1.59	LOWEST
		39.0	CARBONATE AS CO3	06/21/2011-11/30/2012	6	9.0	22.1667	36.0	1.45	HIGHEST
		13.0	CHLORIDE (CL)	06/21/2011-11/30/2012	6	9.0	10.5000	12.0	1.81	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-11/30/2012	6	<0.003		<0.003		HIGHEST
		0.013	BARIUM (BA) DIS	06/21/2011-11/30/2012	6	0.015	0.0170	0.023	1.32	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-11/30/2012	6	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-11/30/2012	6	<0.0005		<0.0005		HIGHEST
		0.052	MANGANESE (MN) DIS	06/21/2011-11/30/2012	6	0.054	0.0807	0.124	1.16	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/30/2012	6	0.005		<0.005		HIGHEST
		0.01	NICKEL (NI) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/30/2012	6	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-11/30/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
B7-U	03/04/2013	213.74	DEPTH TO WATER LEVEL (FEET)	06/21/2011-11/30/2012	6	213.34	213.5283	213.72	1.20	HIGHEST
		8.9	PH (FLD)	06/21/2011-11/30/2012	6	8.06	8.4567	8.79	1.43	HIGHEST
		877.0	SC (UMHOS/CM AT 25 C) (FLD)	06/21/2011-11/30/2012	6	918	1678.8333	4760	0.53	LOWEST
		490.0	TDS (MEASURED AT 180 C)	06/21/2011-11/30/2012	6	545.0	1063.6667	3130.0	0.56	LOWEST
		12.7	WATER TEMPERATURE (FLD)	06/21/2011-11/30/2012	6	13.2	16.0667	18.9	1.74	LOWEST
		227.0	SODIUM (NA) DIS	06/21/2011-11/30/2012	6	230	392.0000	1050.0	0.51	LOWEST
		500.0	TOTAL ALKALINITY AS CACO3	06/21/2011-11/30/2012	6	510.0	581.3333	840.0	0.63	LOWEST
		530.0	BICARBONATE (HCO3)	06/21/2011-11/30/2012	6	550.0	653.8333	980.0	0.74	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-11/30/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/30/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-11/30/2012	6	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-11/30/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-11/30/2012	6	<0.01		<0.01		HIGHEST
B8-KL	03/05/2013	14.1	WATER TEMPERATURE (FLD)	08/23/2011-11/14/2012	6	15.0	16.3167	18.6	1.67	LOWEST
		520.0	BICARBONATE (HCO3)	08/23/2011-11/14/2012	6	540.0	570.6667	594.0	2.69	LOWEST
		30.0	CARBONATE AS CO3	08/23/2011-11/14/2012	6	17.0	23.1667	28.0	1.48	HIGHEST
		19.0	CHLORIDE (CL)	08/23/2011-11/14/2012	6	10.0	13.6667	17.0	1.95	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-11/14/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-11/14/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-11/14/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-11/14/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-11/14/2012	6	<0.00008		<0.00008		HIGHEST
		0.001	CHROMIUM (CR) DIS	08/23/2011-11/14/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/14/2012	6	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) DIS	08/23/2011-11/14/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-11/14/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-11/14/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/14/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-11/14/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/14/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-11/14/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-11/14/2012	6	<0.01		<0.01		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B8-KU	03/05/2013	11.6	WATER TEMPERATURE (FLD)	08/23/2011-11/15/2012	6	12.5	14.5833	19.5	1.20	LOWEST
		580.0	TOTAL ALKALINITY AS CACO3	08/23/2011-11/15/2012	6	600.0	613.8333	650.0	1.86	LOWEST
		710.0	BICARBONATE (HCO3)	08/23/2011-11/15/2012	6	735.0	747.5000	790.0	1.79	LOWEST
		11.0	CHLORIDE (CL)	08/23/2011-11/15/2012	6	7.0	8.3333	10.0	2.20	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-11/15/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-11/15/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/15/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
B8-O	03/05/2013	2450.0	SC (UMHOS/CM AT 25 C)	08/23/2011-11/15/2012	6	2060.0	2245.0000	2410.0	1.75	HIGHEST
		410.0	TOTAL ALKALINITY AS CACO3	08/23/2011-11/15/2012	6	420.0	438.0000	460.0	2.11	LOWEST
		480.0	BICARBONATE (HCO3)	08/23/2011-11/15/2012	6	510.0	535.6667	570.0	2.84	LOWEST
		11.0	CARBONATE AS CO3	08/23/2011-11/15/2012	6	<1.0		<4.0		HIGHEST
		0.6	FLUORIDE (F)	08/23/2011-11/15/2012	6	0.7	0.7500	0.8	2.74	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		0.013	BARIUM (BA) DIS	08/23/2011-11/15/2012	6	0.014	0.0165	0.02	1.55	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-11/15/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/15/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-11/15/2012	6	0.01	0.0133	0.03	0.41	LOWEST
		<0.1	VANADIUM (V) DIS	08/23/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
B8-U	03/05/2013	148.92	DEPTH TO WATER LEVEL (FEET)	08/24/2011-11/15/2012	6	147.78	148.3300	148.91	1.29	HIGHEST
		8.75	PH (FLD)	08/24/2011-11/15/2012	6	8.41	8.5317	8.66	2.36	HIGHEST
		41.5	SODIUM ADSORPTION RATIO	08/24/2011-11/15/2012	6	15.4	32.5667	40.9	0.97	HIGHEST
		638.0	TDS (MEASURED AT 180 C)	08/24/2011-11/15/2012	6	661.0	691.6667	754.0	1.58	LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-11/15/2012	6	1.0	2.6667	9.0	0.53	LOWEST
		630.0	BICARBONATE (HCO3)	08/24/2011-11/15/2012	6	640.0	661.3333	700.0	1.45	LOWEST
		42.0	CHLORIDE (CL)	08/24/2011-11/15/2012	6	37.0	39.1667	40.0	2.13	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/15/2012	6	0.003	0.0073	0.018	0.78	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/15/2012	6	0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-11/15/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/15/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
B9-K	03/04/2013	99.93	DEPTH TO WATER LEVEL (FEET)	08/23/2011-11/29/2012	6	99.20	99.5567	99.87	1.40	HIGHEST
		58.5	SODIUM ADSORPTION RATIO	08/23/2011-11/29/2012	6	54.2	55.4667	56.7	2.85	HIGHEST
		1521.0	SC (UMHOS/CM AT 25 C) (FLD)	08/23/2011-11/29/2012	6	1554	1610.6667	1682	1.94	LOWEST
		888.0	TDS (MEASURED AT 180 C)	08/23/2011-11/29/2012	6	941.0	983.0000	1030.0	3.15	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		13.4	WATER TEMPERATURE (FLD)	08/23/2011-11/29/2012	6	13.6	14.9167	17.1	1.19	LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/23/2011-11/29/2012	6	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-11/29/2012	6	2.0	2.0000	2.0		HIGHEST
		52.0	CARBONATE AS CO3	08/23/2011-11/29/2012	6	29.0	42.0000	48.0	1.39	HIGHEST
		24.0	CHLORIDE (CL)	08/23/2011-11/29/2012	6	20.0	21.5000	23.0	2.38	HIGHEST
		1.6	FLUORIDE (F)	08/23/2011-11/29/2012	6	1.7	1.8000	2.0	1.83	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-11/29/2012	6	<0.003		<0.003		HIGHEST
		0.099	BARIUM (BA) DIS	08/23/2011-11/29/2012	6	0.087	0.0925	0.099	1.49	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-11/29/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/29/2012	6	0.001		<0.001		HIGHEST
		0.17	IRON (FE) DIS	08/23/2011-11/29/2012	6	<0.05	0.0933	0.16	1.81	HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-11/29/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-11/29/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/29/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
B9-U	03/08/2013	569.0	TDS (MEASURED AT 180 C)	08/24/2011-11/29/2012	6	594.0	651.8333	732.0	1.33	LOWEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-11/29/2012	6	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-11/29/2012	6	1.0	1.0000	1.0		HIGHEST
		27.0	CHLORIDE (CL)	08/24/2011-11/29/2012	6	22.0	24.3333	26.0	1.63	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-11/29/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	08/24/2011-11/29/2012	6	0.11	0.1150	0.12	0.91	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-11/29/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/29/2012	6	0.001		0.003		LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-11/29/2012	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-11/29/2012	6	<0.01		<0.01		HIGHEST
B10-KL	03/06/2013	59.01	DEPTH TO WATER LEVEL (FEET)	06/22/2011-11/29/2012	6	57.93	58.4600	58.81	1.51	HIGHEST
		8.52	PH (FLD)	06/22/2011-11/29/2012	6	8.11	8.3533	8.50	1.06	HIGHEST
		1358.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-11/29/2012	6	1379	1529.0000	1658	1.33	LOWEST
		777.0	TDS (MEASURED AT 180 C)	06/22/2011-11/29/2012	6	848.0	898.3333	980.0	2.40	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-11/29/2012	6	<1.0		<1.0		HIGHEST
		345.0	SODIUM (NA) DIS	06/22/2011-11/29/2012	6	358.0	370.8333	394.0	1.83	LOWEST
		2.0	POTASSIUM (K) DIS	06/22/2011-11/29/2012	6	2.0	2.0000	2.0		HIGHEST
		780.0	TOTAL ALKALINITY AS CACO3	06/22/2011-11/29/2012	6	810.0	813.3333	820.0	6.45	LOWEST
		850.0	BICARBONATE (HCO3)	06/22/2011-11/29/2012	6	900.0	911.6667	930.0	6.27	LOWEST
		51.0	CARBONATE AS CO3	06/22/2011-11/29/2012	6	31.0	39.3333	46.0	2.21	HIGHEST
		30.0	CHLORIDE (CL)	06/22/2011-11/29/2012	6	13.0	24.5000	29.0	0.91	HIGHEST
		2.3	FLUORIDE (F)	06/22/2011-11/29/2012	6	2.6	2.9167	3.0	3.85	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/29/2012	6	<0.01		0.01		HIGHEST
		0.244	BARIUM (BA) DIS	06/22/2011-11/29/2012	6	0.097	0.1147	0.126	> 10	HIGHEST
		0.2	BORON (B) DIS	06/22/2011-11/29/2012	6	0.09	0.1033	0.11	> 10	HIGHEST
		0.002	CHROMIUM (CR) DIS	06/22/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/29/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-11/29/2012	6	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B10-KU	03/06/2013	7.3	PH	03/10/2011-11/29/2012	7	7.4	7.8429	8.2	2.06	LOWEST
		4680.0	SC (UMHOS/CM AT 25 C) (FLD)	03/10/2011-11/29/2012	7	4820	5110.1429	5530	1.77	LOWEST
		1100.0	TOTAL ALKALINITY AS CACO3	03/10/2011-11/29/2012	7	1180	1197.1429	1200.0	> 10	LOWEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-11/29/2012	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/29/2012	7	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-11/29/2012	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-11/29/2012	7	<0.001		0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-11/29/2012	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-11/29/2012	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-11/29/2012	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-11/29/2012	7	<0.1		<0.1		HIGHEST
B10-O	03/06/2013	29.3	DEPTH TO WATER LEVEL (FEET)	06/22/2011-11/29/2012	6	29.31	30.0883	30.96	1.29	LOWEST
		5.59	PH (FLD)	06/22/2011-11/29/2012	6	5.62	5.7767	6.02	1.28	LOWEST
		28.0	CALCIUM (CA) DIS	06/22/2011-11/29/2012	6	32.0	35.3333	46.0	1.37	LOWEST
		1200.0	SULFATE (SO4)	06/22/2011-11/29/2012	6	1200.0	1200.0000	1200.0		HIGHEST
		15.0	CHLORIDE (CL)	06/22/2011-11/29/2012	6	10.0	12.1667	15.0	1.46	HIGHEST
		<0.2	FLUORIDE (F)	06/22/2011-11/29/2012	6	0.2	0.2333	0.3	0.65	LOWEST
		28.8	IRON (FE) DIS	06/22/2011-11/29/2012	6	31.7	37.6500	55.8	0.98	LOWEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/29/2012	6	<0.1		<0.1		HIGHEST
B10-U	03/06/2013	67.18	DEPTH TO WATER LEVEL (FEET)	03/10/2011-11/29/2012	7	61.94	63.7229	65.79	2.15	HIGHEST
		1298.0	SC (UMHOS/CM AT 25 C) (FLD)	03/10/2011-11/29/2012	7	1307	1394.5714	1490	1.35	LOWEST
		746.0	TDS (MEASURED AT 180 C)	03/10/2011-11/29/2012	7	776.0	811.4286	844.0	2.97	LOWEST
		<1.0	MAGNESIUM (MG) DIS	03/10/2011-11/29/2012	7	<1.0		<1.0		HIGHEST
		325.0	SODIUM (NA) DIS	03/10/2011-11/29/2012	7	329.0	336.4286	342.0	2.58	LOWEST
		2.0	POTASSIUM (K) DIS	03/10/2011-11/29/2012	7	2.0	2.0000	2.0		HIGHEST
		40.0	CARBONATE AS CO3	03/10/2011-11/29/2012	7	<4.0	23.5143	39.0	1.38	HIGHEST
		65.0	CHLORIDE (CL)	03/10/2011-11/29/2012	7	59.0	61.2857	64.0	1.97	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-11/29/2012	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-11/29/2012	7	<0.003		<0.003		HIGHEST
		0.131	BARIUM (BA) DIS	03/10/2011-11/29/2012	7	0.11	0.1211	0.128	1.58	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/29/2012	7	NA		<0.001		HIGHEST
		0.16	BORON (B) DIS	03/10/2011-11/29/2012	7	0.15	0.1514	0.16	2.27	HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-11/29/2012	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-11/29/2012	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	03/10/2011-11/29/2012	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-11/29/2012	7	NA		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-11/29/2012	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-11/29/2012	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-11/29/2012	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-11/29/2012	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	03/10/2011-11/29/2012	7	<0.01		<0.01		HIGHEST
B11-K	03/05/2013	51.7	SODIUM ADSORPTION RATIO	06/22/2011-11/28/2012	6	21.6	45.4167	50.9	0.54	HIGHEST
		1029.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-11/28/2012	6	1052	1120.3333	1211	1.53	LOWEST
		605.0	TDS (MEASURED AT 180 C)	06/22/2011-11/28/2012	6	647.0	694.5000	816.0	1.44	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-11/28/2012	6	<1.0		<1.0		HIGHEST
		35.0	CARBONATE AS CO3	06/22/2011-11/28/2012	6	18.0	26.5000	34.0	1.50	HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-11/28/2012	6	7.0	7.3333	8.0	3.23	HIGHEST
		1.3	FLUORIDE (F)	06/22/2011-11/28/2012	6	1.5	1.6167	2.0	1.63	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		0.00014	CADMIUM (CD) DIS	06/22/2011-11/28/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-11/28/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-11/28/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/28/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/28/2012	6	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	VANADIUM (V) DIS	06/22/2011-11/28/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
B11-O	03/05/2013	36.7	SODIUM ADSORPTION RATIO	06/23/2011-11/28/2012	6	39.5	41.4333	46.9	1.66	LOWEST
		7120.0	SC (UMHOS/CM AT 25 C) (FLD)	06/23/2011-11/28/2012	6	7150	7511.6667	7930	1.52	LOWEST
		3860.0	TDS (MEASURED AT 180 C)	06/23/2011-11/28/2012	6	5240.0	5765.0000	6330.0	5.22	LOWEST
		86.0	CALCIUM (CA) DIS	06/23/2011-11/28/2012	6	68	72.1667	75.0	5.57	HIGHEST
		14.0	CARBONATE AS CO3	06/23/2011-11/28/2012	6	<1.0	7.1667	13.0	1.18	HIGHEST
		3500.0	SULFATE (SO4)	06/23/2011-11/28/2012	6	3100.0	3216.6667	3400.0	2.42	HIGHEST
		0.8	FLUORIDE (F)	06/23/2011-11/28/2012	6	0.9	0.9833	1.3	1.14	LOWEST
		0.61	NITRATE + NITRITE AS N	06/23/2011-11/28/2012	6	<0.01	0.1400	0.56	2.22	HIGHEST
		0.019	BARIUM (BA) DIS	06/23/2011-11/28/2012	6	0.022	0.0478	0.165	0.50	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		0.165	MANGANESE (MN) DIS	06/23/2011-11/28/2012	6	0.193	0.2352	0.320	1.59	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-11/28/2012	6	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-11/28/2012	6	<0.1		<0.1		HIGHEST
B11-U	03/05/2013	907.0	SC (UMHOS/CM AT 25 C) (FLD)	06/24/2011-11/28/2012	6	919	966.0000	1004	1.67	LOWEST
		2.0	CALCIUM (CA) DIS	06/24/2011-11/28/2012	6	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-11/28/2012	6	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-11/28/2012	6	1.0	1.0000	1.0		HIGHEST
		47.0	CARBONATE AS CO3	06/24/2011-11/28/2012	6	<4.0	27.5000	39.0	1.54	HIGHEST
		11.0	CHLORIDE (CL)	06/24/2011-11/28/2012	6	7.0	8.1667	9.0	3.76	HIGHEST
		1.5	FLUORIDE (F)	06/24/2011-11/28/2012	6	1.6	1.7833	2.0	1.54	LOWEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-11/28/2012	6	<0.003		<0.003		HIGHEST
		0.063	BARIUM (BA) DIS	06/24/2011-11/28/2012	6	0.056	0.0585	0.061	2.56	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-11/28/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-11/28/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	06/24/2011-11/28/2012	6	0.005	0.0083	0.016	0.79	LOWEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-11/28/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-11/28/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-11/28/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-11/28/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-11/28/2012	6	<0.01		<0.01		HIGHEST
C-1	03/09/2013	151.73	DEPTH TO WATER LEVEL (FEET)	08/24/2011-11/27/2012	6	DRY	131.1320	151.6	0.46	HIGHEST
C-2	03/04/2013	8.42	SODIUM ADSORPTION RATIO	06/29/2011-11/15/2012	6	7.28	7.6417	7.95	3.39	HIGHEST
		3200.0	SC (UMHOS/CM AT 25 C) (FLD)	06/29/2011-11/15/2012	6	2740	2938.5000	3050	2.13	HIGHEST
		1840.0	TDS (MEASURED AT 180 C)	06/29/2011-11/15/2012	6	1920.0	2126.6667	2440.0	1.55	LOWEST
		79.0	CALCIUM (CA) DIS	06/29/2011-11/15/2012	6	68.0	71.3333	74.0	3.28	HIGHEST
		502.0	SODIUM (NA) DIS	06/29/2011-11/15/2012	6	429.0	449.0000	479	3.06	HIGHEST
		620.0	TOTAL ALKALINITY AS CACO3	06/29/2011-11/15/2012	6	630.0	658.3333	670.0	2.60	LOWEST
		760.0	BICARBONATE (HCO3)	06/29/2011-11/15/2012	6	770.0	796.6667	810.0	2.44	LOWEST
		1100.0	SULFATE (SO4)	06/29/2011-11/15/2012	6	820.0	931.6667	1000.0	2.25	HIGHEST
		32.0	CHLORIDE (CL)	06/29/2011-11/15/2012	6	22	25.1667	29.0	2.95	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/29/2011-11/15/2012	6	0.003	0.0037	0.004	0.65	HIGHEST
		0.055	BARIUM (BA) DIS	06/29/2011-11/15/2012	6	0.056	0.0582	0.064	1.06	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		0.37	BORON (B) DIS	06/29/2011-11/15/2012	6	0.38	0.4050	0.45	1.44	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	06/29/2011-11/15/2012	6	0.002	0.0025	0.003	0.91	HIGHEST
		<0.05	IRON (FE) DIS	06/29/2011-11/15/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-11/15/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-11/15/2012	6	<0.01		<0.01		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	VANADIUM (V) DIS	06/29/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
C-3	03/04/2013	8.2	PH (FLD)	06/22/2011-12/05/2012	6	7.35	7.6800	7.85	2.99	HIGHEST
		6.74	SODIUM ADSORPTION RATIO	06/22/2011-12/05/2012	6	6.35	6.4750	6.63	2.38	HIGHEST
		3740.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	3180	3422.5000	3600	1.99	HIGHEST
		2010.0	TDS (MEASURED AT 180 C)	06/22/2011-12/05/2012	6	2430.0	2556.6667	2740.0	4.76	LOWEST
		118.0	CALCIUM (CA) DIS	06/22/2011-12/05/2012	6	100.0	109.1667	114.0	1.77	HIGHEST
		492.0	SODIUM (NA) DIS	06/22/2011-12/05/2012	6	454.0	470.5000	492	1.41	HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/05/2012	6	620.0	625.0000	640.0	2.99	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		6.32	IRON (FE) DIS	06/22/2011-12/05/2012	6	2.47	3.7533	4.95	2.67	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
C-4	03/05/2013	7.65	SODIUM ADSORPTION RATIO	06/22/2011-12/05/2012	6	6.93	7.2533	7.56	1.68	HIGHEST
		4330.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	3860	4079.8333	4262	1.71	HIGHEST
		11.4	WATER TEMPERATURE (FLD)	06/22/2011-12/05/2012	6	11.7	12.6167	13.1	2.09	LOWEST
		154.0	CALCIUM (CA) DIS	06/22/2011-12/05/2012	6	125.0	136.3333	142.0	2.89	HIGHEST
		626.0	SODIUM (NA) DIS	06/22/2011-12/05/2012	6	553.0	583.1667	617	1.97	HIGHEST
		680.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/05/2012	6	690.0	700.0000	720.0	1.58	LOWEST
		1900.0	SULFATE (SO4)	06/22/2011-12/05/2012	6	1600.0	1700.0000	1800.0	1.83	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		0.32	BORON (B) DIS	06/22/2011-12/05/2012	6	0.33	0.3467	0.36	2.58	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		2.32	IRON (FE) DIS	06/22/2011-12/05/2012	6	1.03	1.4233	1.91	2.96	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
COAL CREEK	03/07/2013	6.0	WATER TEMPERATURE (FLD)	10/27/2010-12/06/2012	4	7.4	12.2250	17.9	1.25	LOWEST
FORTUNE	03/05/2013	100.0	TOTAL SUSPENDED SOLIDS	10/25/2011-12/06/2012	6	NR	35.4000	70.0	2.04	HIGHEST
		3.8	TURBIDITY (NTU)	10/25/2011-12/06/2012	6	NR	0.4000	0.7	> 10	HIGHEST
		NO MEAS.0	WATER TEMPERATURE (FLD)	10/27/2010-12/06/2012	6	3.2	8.4833	15.4	1.82	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/27/2010-12/06/2012	6	<0.030		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/27/2010-12/06/2012	6	<0.030		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/27/2010-12/06/2012	6	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/27/2010-12/06/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-12/06/2012	6	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-12/06/2012	6	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/27/2010-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/27/2010-12/06/2012	6	<0.001		<0.001		HIGHEST

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	CHROMIUM (CR) TRC	10/27/2010-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	10/27/2010-12/06/2012	6	<0.050		<0.05		HIGHEST
		<0.05	IRON (FE) TRC	10/27/2010-12/06/2012	6	<0.050		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	10/27/2010-12/06/2012	6	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/27/2010-12/06/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	10/27/2010-12/06/2012	6	<0.005		<0.005		HIGHEST
		<0.005	MANGANESE (MN) TRC	10/27/2010-12/06/2012	6	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/27/2010-12/06/2012	6	0.0033		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-12/06/2012	6	0.0036		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/27/2010-12/06/2012	6	<0.010		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-12/06/2012	6	<0.010		<0.01		HIGHEST
		0.034	SELENIUM (SE) DIS	10/27/2010-12/06/2012	6	0.0021	0.0122	0.024	3.01	HIGHEST
		0.029	SELENIUM (SE) TRC	10/27/2010-12/06/2012	6	0.0015	0.0114	0.023	2.42	HIGHEST
		<0.1	VANADIUM (V) DIS	10/27/2010-12/06/2012	6	<0.0001		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-12/06/2012	6	0.00042		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/27/2010-12/06/2012	6	<0.010		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/27/2010-12/06/2012	6	<0.010		<0.01		HIGHEST
K-1	02/25/2013	43.5	SODIUM ADSORPTION RATIO	06/22/2011-12/05/2012	6	36.1	39.4500	42.1	1.86	HIGHEST
		1700.0	SC (UMHOS/CM AT 25 C)	06/22/2011-12/05/2012	6	1460.0	1553.3333	1670.0	1.65	HIGHEST
		2200.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	1290	1569.8333	1667	4.50	HIGHEST
		2.0	MAGNESIUM (MG) DIS	06/22/2011-12/05/2012	6	2.0	2.0000	2.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-12/05/2012	6	2.0	2.0000	2.0		HIGHEST
		810.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/05/2012	6	820.0	831.6667	860.0	1.47	LOWEST
		110.0	SULFATE (SO4)	06/22/2011-12/05/2012	6	40.0	67.0000	99.0	2.04	HIGHEST
		12.0	CHLORIDE (CL)	06/22/2011-12/05/2012	6	8.0	9.1667	10.0	3.76	HIGHEST
		1.2	FLUORIDE (F)	06/22/2011-12/05/2012	6	1.3	1.3333	1.4	2.58	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		0.187	BARIUM (BA) DIS	06/22/2011-12/05/2012	6	0.123	0.1510	0.182	1.63	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
K-2	03/04/2013	7.6	PH (FLD)	06/22/2011-12/05/2012	6	8.5	8.7100	8.91	6.70	LOWEST
		1242.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	1070	1110.6667	1175	3.14	HIGHEST
		700.0	TDS (MEASURED AT 180 C)	06/22/2011-12/05/2012	6	655.0	673.3333	696.0	1.48	HIGHEST
		10.0	WATER TEMPERATURE (FLD)	06/22/2011-12/05/2012	6	13.1	14.2167	15.5	4.51	LOWEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-12/05/2012	6	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-12/05/2012	6	1.0	1.3333	2.0	1.29	HIGHEST
		650.0	BICARBONATE (HCO3)	06/22/2011-12/05/2012	6	660.0	676.6667	710.0	1.43	LOWEST
		14.0	SULFATE (SO4)	06/22/2011-12/05/2012	6	8.0	10.8333	14.0	1.42	HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-12/05/2012	6	7.0	7.5000	8.0	2.74	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	7	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-12/05/2012	6	0.09	0.0967	0.1	0.65	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-12/05/2012	6	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
K-3	03/04/2013	57.76	DEPTH TO WATER LEVEL (FEET)	06/22/2011-11/15/2012	6	57.17	57.3617	57.57	2.85	HIGHEST
		3.11	SODIUM ADSORPTION RATIO	06/22/2011-11/15/2012	6	3.18	3.3933	3.59	1.55	LOWEST
		2340.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-11/15/2012	6	1882	1998.3333	2130	3.45	HIGHEST
		97.0	MAGNESIUM (MG) DIS	06/22/2011-11/15/2012	6	90.0	92.1667	96.0	1.83	HIGHEST
		640.0	SULFATE (SO4)	06/22/2011-11/15/2012	6	520.0	571.5000	600.0	2.47	HIGHEST
		14.0	CHLORIDE (CL)	06/22/2011-11/15/2012	6	10.0	11.6667	13.0	1.93	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-11/15/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-11/15/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/15/2012	6	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-11/15/2012	6	<0.0005		<0.0005		HIGHEST
		0.087	MANGANESE (MN) DIS	06/22/2011-11/15/2012	6	0.091	0.1608	0.336	0.74	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/15/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-11/15/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/15/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-11/15/2012	6	<0.1		<0.1		HIGHEST
K-4	03/04/2013	8.4	PH (FLD)	06/22/2011-12/05/2012	6	8.45	8.7800	8.94	2.09	LOWEST
		1265.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	1034	1065.8333	1119	6.14	HIGHEST
		572.0	TDS (MEASURED AT 180 C)	06/22/2011-12/05/2012	6	643.0	661.1667	694.0	5.08	LOWEST
		12.4	WATER TEMPERATURE (FLD)	06/22/2011-12/05/2012	6	12.9	15.4667	19.4	1.31	LOWEST
		2.0	CALCIUM (CA) DIS	06/22/2011-12/05/2012	6	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-12/05/2012	6	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-12/05/2012	6	1.0	1.0000	1.0		HIGHEST
		420.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/05/2012	6	430.0	445.0000	460.0	2.38	LOWEST
		460.0	BICARBONATE (HCO3)	06/22/2011-12/05/2012	6	470.0	490.3333	510.0	1.92	LOWEST
		130.0	SULFATE (SO4)	06/22/2011-12/05/2012	6	100.0	116.1667	127.0	1.44	HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-12/05/2012	6	7.0	7.6667	9.0	1.63	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-12/05/2012	6	0.05	0.0983	0.16	0.90	LOWEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-12/05/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
K-5	03/05/2013	7.6	PH (FLD)	06/22/2011-12/05/2012	6	7.66	7.9817	8.21	2.02	LOWEST
		1430.0	SC (UMHOS/CM AT 25 C) (FLD)	06/22/2011-12/05/2012	6	1020	1255.0000	1330	1.49	HIGHEST
		715.0	TDS (MEASURED AT 180 C)	06/22/2011-12/05/2012	6	738.0	779.6667	820.0	2.15	LOWEST
		14.7	WATER TEMPERATURE (FLD)	06/22/2011-12/05/2012	6	12.5	13.7167	14.6	1.43	HIGHEST
		3.0	CALCIUM (CA) DIS	06/22/2011-12/05/2012	6	2.0	2.1667	3.0	2.04	HIGHEST
		1.0	MAGNESIUM (MG) DIS	06/22/2011-12/05/2012	6	1.0	1.0000	1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-12/05/2012	6	2.0	2.0000	2.0		HIGHEST
		11.0	CHLORIDE (CL)	06/22/2011-12/05/2012	6	8.0	8.3333	9.0	5.16	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		0.28	IRON (FE) DIS	06/22/2011-12/05/2012	6	0.11	0.2050	0.25	1.46	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
K-6	03/04/2013	7.0	PH (FLD)	06/22/2011-12/05/2012	6	7.09	7.3050	7.57	1.93	LOWEST
		2050.0	TDS (MEASURED AT 180 C)	06/22/2011-12/05/2012	6	2160.0	2340.0000	2530.0	1.92	LOWEST
		64.0	CALCIUM (CA) DIS	06/22/2011-12/05/2012	6	73.0	83.1667	104.0	1.65	LOWEST
		63.0	MAGNESIUM (MG) DIS	06/22/2011-12/05/2012	6	72.0	77.5000	82.0	3.59	LOWEST
		616.0	SODIUM (NA) DIS	06/22/2011-12/05/2012	6	624.0	671.3333	721.0	1.75	LOWEST
		880.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/05/2012	6	900.0	935.6667	960.0	2.54	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-12/05/2012	6	<0.01		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-12/05/2012	6	<0.003		<0.003		HIGHEST
		0.016	BARIUM (BA) DIS	06/22/2011-12/05/2012	6	0.017	0.0225	0.031	1.33	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-12/05/2012	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-12/05/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-12/05/2012	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-12/05/2012	6	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/05/2012	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/05/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-12/05/2012	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-12/05/2012	6	<0.01		<0.01		HIGHEST
P1	03/05/2013	NO MEAS.0	FLOW	N /A	4	DRY		NO MEAS		HIGHEST
		17.4	SODIUM ADSORPTION RATIO	10/27/2010-05/03/2012	5	9.14	11.9680	16.6	1.82	HIGHEST
		7420.0	SC (UMHOS/CM AT 25 C)	10/27/2010-05/03/2012	5	1240	3518.0000	5700.0	2.27	HIGHEST
		7310.0	SC (UMHOS/CM AT 25 C) (FLD)	10/27/2010-05/03/2012	5	1200	3694.0000	6420	1.77	HIGHEST
		1280.0	TOTAL SUSPENDED SOLIDS	10/27/2010-05/03/2012	5	10.0	31.7800	86.9	> 10	HIGHEST
		590.0	TURBIDITY (NTU)	10/27/2010-05/03/2012	5	5.3	29.7800	110	> 10	HIGHEST
		172.0	CALCIUM (CA) DIS	06/24/2011-05/03/2012	4	61.0	88.2500	136.0	2.43	HIGHEST
		188.0	CALCIUM (CA) TRC	10/27/2010-05/03/2012	5	22.0	77.2000	141	2.55	HIGHEST
		211.0	MAGNESIUM (MG) DIS	06/24/2011-05/03/2012	4	56.0	129.0000	211.0	1.22	HIGHEST
		229.0	MAGNESIUM (MG) TRC	10/27/2010-05/03/2012	5	18.0	106.2000	206	1.66	HIGHEST
		1450.0	SODIUM (NA) DIS	06/24/2011-05/03/2012	4	417.0	789.2500	1260	1.89	HIGHEST
		1390.0	SODIUM (NA) TRC	10/27/2010-05/03/2012	5	266.0	698.6000	1260	1.81	HIGHEST
		44.0	POTASSIUM (K) DIS	06/24/2011-05/03/2012	4	11.0	18.2500	27.0	3.90	HIGHEST
		45.0	POTASSIUM (K) TRC	10/27/2010-05/03/2012	5	10.0	16.8000	27	4.10	HIGHEST
		4000.0	SULFATE (SO4)	10/27/2010-05/03/2012	5	261	1688.2000	3400.0	1.91	HIGHEST
		<10.0	CHLORIDE (CL)	10/27/2010-05/03/2012	5	4.5	7.5000	10.0	0.98	HIGHEST
		0.44	NITRATE + NITRITE AS N	10/27/2010-02/07/2012	5	NA	0.1075	0.27	2.81	HIGHEST
		0.7	ALUMINUM (AL) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		0.008	ARSENIC (AS) TRC	10/27/2010-05/03/2012	5	<0.003		0.008		HIGHEST
		0.103	BARIUM (BA) DIS	06/24/2011-05/03/2012	4	0.025	0.0500	0.095	1.72	HIGHEST
		0.209	BARIUM (BA) TRC	10/27/2010-05/03/2012	5	0.028	0.0662	0.110	4.00	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-05/03/2012	4	NR		<0.001		HIGHEST
		0.001	BERYLLIUM (BE) TRC	10/21/2011-05/03/2012	5	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		0.0006	CADMIUM (CD) TRC	10/27/2010-05/03/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		0.018	CHROMIUM (CR) TRC	10/27/2010-05/03/2012	5	<0.001		0.0027		HIGHEST

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.01	COPPER (CU) DIS	06/24/2011-05/03/2012	4	<0.001		0.005		HIGHEST
		0.039	COPPER (CU) TRC	10/27/2010-05/03/2012	5	<0.001	0.0033	0.006	> 10	HIGHEST
		22.3	IRON (FE) TRC	10/27/2010-05/03/2012	5	0.43	1.3020	2.710	> 10	HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		0.0166	LEAD (PB) TRC	10/27/2010-05/03/2012	5	<0.0005		0.0024		HIGHEST
		1.02	MANGANESE (MN) TRC	10/27/2010-05/03/2012	5	0.234	0.3792	0.598	4.79	HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/24/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		0.007	MOLYBDENUM (MO) TRC	10/27/2010-05/03/2012	5	0.0037		<0.005		HIGHEST
		0.02	NICKEL (NI) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		0.04	NICKEL (NI) TRC	10/27/2010-05/03/2012	5	<0.01		0.013		HIGHEST
		0.003	SELENIUM (SE) TRC	10/27/2010-05/03/2012	5	0.001		0.003		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/03/2012	5	0.0058		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		0.1	ZINC (ZN) TRC	10/27/2010-05/03/2012	5	<0.01		0.0118		HIGHEST
P3	03/05/2013	NO MEAS.0	FLOW	N /A	5	NO MEAS		NO MEAS		HIGHEST
		0.42	SODIUM ADSORPTION RATIO	10/27/2010-12/06/2012	7	0.69	2.5657	6.02	1.23	LOWEST
		11.0	MAGNESIUM (MG) DIS	06/24/2011-12/06/2012	6	12.0	48.1667	95.0	1.15	LOWEST
		12.0	SODIUM (NA) DIS	06/24/2011-12/06/2012	6	24.0	143.1667	352	1.12	LOWEST
		12.0	SODIUM (NA) TRC	10/27/2010-12/06/2012	6	20	168.1667	356	1.36	LOWEST
		2.0	CHLORIDE (CL)	10/27/2010-12/06/2012	7	3.0	10.2429	30.0	0.73	LOWEST
		<0.1	FLUORIDE (F)	10/27/2010-12/06/2012	7	0.1	0.1429	<0.3	0.54	LOWEST
		0.66	NITRATE + NITRITE AS N	10/27/2010-12/06/2012	7	0.01	0.0843	0.23	6.23	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-12/06/2012	6	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/21/2011-12/06/2012	6	NR		<0.001		HIGHEST
		0.02	BORON (B) TRC	10/27/2010-12/06/2012	6	0.03	0.0638	0.11	1.27	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-12/06/2012	6	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-12/06/2012	6	0.0025		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	10/27/2010-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-12/06/2012	6	0.0017		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
P5	03/07/2013	8.2	PH (FLD)	10/27/2010-12/06/2012	7	8.44	8.9729	9.83	1.48	LOWEST
		210.0	TOTAL SUSPENDED SOLIDS	10/27/2010-12/06/2012	7	<4.0	40.9857	180.0	2.70	HIGHEST
		29.0	CHLORIDE (CL)	10/27/2010-12/06/2012	7	7.0	12.7000	17.9	4.03	HIGHEST
		1.44	NITRATE + NITRITE AS N	10/27/2010-12/06/2012	7	<0.01	0.0386	0.2	> 10	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		0.023	BARIUM (BA) DIS	06/24/2011-12/06/2012	6	0.025	0.0587	0.141	0.81	LOWEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-12/06/2012	6	NR		<0.001		HIGHEST
		0.02	BORON (B) DIS	06/24/2011-12/06/2012	6	0.03	0.0617	0.1	1.39	LOWEST
		0.02	BORON (B) TRC	10/27/2010-12/06/2012	6	0.03	0.0664	0.10	1.49	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		0.007	COPPER (CU) DIS	06/24/2011-12/06/2012	6	0.001	0.0028	0.007	1.95	HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-12/06/2012	6	<0.0005		<0.0005		HIGHEST
		0.175	MANGANESE (MN) DIS	06/24/2011-12/06/2012	6	0.006	0.0392	0.163	2.21	HIGHEST
		0.187	MANGANESE (MN) TRC	10/27/2010-12/06/2012	6	<0.005	0.0798	0.181	1.55	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-12/06/2012	6	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/27/2010-12/06/2012	6	0.00000535		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-12/06/2012	6	0.0043		<0.1		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
P6	03/07/2013	7.7	PH	06/24/2011-12/06/2012	6	8.0	8.2667	8.6	2.42	LOWEST
		690.0	BICARBONATE (HCO3)	06/24/2011-12/06/2012	6	510.0	620.0000	690.0	0.96	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-12/06/2012	6	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/24/2011-12/06/2012	5	<0.003		<0.003		HIGHEST
		0.022	BARIUM (BA) DIS	06/24/2011-12/06/2012	6	0.007	0.0117	0.019	1.81	HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-12/06/2012	5	NR		<0.001		HIGHEST
		0.36	BORON (B) DIS	06/24/2011-12/06/2012	6	0.39	0.4633	0.59	1.48	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.0002	CADMIUM (CD) TRC	06/24/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/24/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/24/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-12/06/2012	6	0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-12/06/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-12/06/2012	6	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/24/2011-12/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/24/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/24/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/24/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/24/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
SW-1A	03/07/2013	1.5	FLOW CFS	03/14/2012-03/14/2012	4	NO MEAS		0.15		HIGHEST
		9.66	SODIUM ADSORPTION RATIO	10/26/2011-12/06/2012	5	7.17	7.6660	8.3	4.45	HIGHEST
		5240.0	SC (UMHOS/CM AT 25 C)	10/26/2011-12/06/2012	5	3580.0	3914.0000	4100.0	5.99	HIGHEST
		5330.0	SC (UMHOS/CM AT 25 C) (FLD)	10/26/2011-12/06/2012	5	3616	4074.6000	4550	3.00	HIGHEST
		3910.0	TDS (MEASURED AT 180 C)	10/26/2011-12/06/2012	5	2540.0	3068.0000	3580.0	2.06	HIGHEST
		40.0	TOTAL SUSPENDED SOLIDS	10/26/2011-12/06/2012	5	10.0	18.2000	28.0	2.42	HIGHEST
		16.9	TURBIDITY (NTU)	10/26/2011-12/06/2012	5	1.2	3.7600	6.5	5.24	HIGHEST
		95.0	CALCIUM (CA) TRC	10/26/2011-12/06/2012	5	99	107.2000	128.0	0.99	LOWEST
		285.0	MAGNESIUM (MG) DIS	10/26/2011-12/06/2012	5	196.0	225.8000	266.0	2.33	HIGHEST
		295.0	MAGNESIUM (MG) TRC	10/26/2011-12/06/2012	5	209	235.8000	260	2.56	HIGHEST
		830.0	SODIUM (NA) DIS	10/26/2011-12/06/2012	5	536.0	608.2000	717	3.17	HIGHEST
		852.0	SODIUM (NA) TRC	10/26/2011-12/06/2012	5	537	648.6000	723.0	2.64	HIGHEST
		2400.0	SULFATE (SO4)	10/26/2011-12/06/2012	5	1300.0	1540.0000	1800.0	3.74	HIGHEST
		0.2	ALUMINUM (AL) DIS	10/26/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		0.2	ALUMINUM (AL) TRC	10/26/2011-12/06/2012	5	<0.1		0.2		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/26/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/26/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.0001	CADMIUM (CD) TRC	10/26/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/26/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/26/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) TRC	10/26/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		0.71	IRON (FE) DIS	10/26/2011-12/06/2012	5	<0.05	0.1400	0.24	6.69	HIGHEST
		0.98	IRON (FE) TRC	10/26/2011-12/06/2012	5	0.18	0.2840	0.4	6.45	HIGHEST
		<0.0005	LEAD (PB) DIS	10/26/2011-12/06/2012	5	<0.0005		<0.0005		HIGHEST
		0.0005	LEAD (PB) TRC	10/26/2011-12/06/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	10/26/2011-12/06/2012	5	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/26/2011-12/06/2012	5	<0.00005		<0.00005		HIGHEST
		0.006	MOLYBDENUM (MO) DIS	10/26/2011-12/06/2012	5	<0.005		0.005		HIGHEST
		0.006	MOLYBDENUM (MO) TRC	10/26/2011-12/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/26/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/26/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		0.004	SELENIUM (SE) TRC	10/26/2011-12/06/2012	5	0.001		0.002		HIGHEST
		<0.1	VANADIUM (V) DIS	10/26/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/26/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/26/2011-12/06/2012	5	<0.01		<0.01		HIGHEST

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		<0.01	ZINC (ZN) TRC	10/26/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
SW-2	03/07/2013	2420.0	TDS (MEASURED AT 180 C)	06/15/2011-12/06/2012	6	2490.0	3153.3333	3940.0	1.47	LOWEST
		114.0	CALCIUM (CA) TRC	06/15/2011-12/06/2012	5	127.0	134.8000	145	3.16	LOWEST
		16.0	POTASSIUM (K) DIS	06/15/2011-12/06/2012	6	18.0	21.8333	32.0	1.13	LOWEST
		16.0	POTASSIUM (K) TRC	06/15/2011-12/06/2012	5	18.0	19.8000	22.0	2.12	LOWEST
		530.0	BICARBONATE (HCO3)	06/15/2011-12/06/2012	6	560.0	631.6667	700.0	1.86	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-12/06/2012	6	<0.003		0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-12/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-12/06/2012	5	0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/15/2011-12/06/2012	6	0.001	0.0010	<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-12/06/2012	5	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-12/06/2012	6	<0.01		0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
SW-16	03/07/2013	3350.0	SC (UMHOS/CM AT 25 C)	06/15/2011-12/06/2012	6	3380.0	3720.0000	4320.0	1.02	LOWEST
		119.0	CALCIUM (CA) TRC	06/15/2011-12/06/2012	5	125.0	133.0000	140.0	2.20	LOWEST
		17.0	POTASSIUM (K) DIS	06/15/2011-12/06/2012	6	18.0	21.3333	29.0	1.09	LOWEST
		17.0	POTASSIUM (K) TRC	06/15/2011-12/06/2012	5	18.0	19.4000	22.0	1.43	LOWEST
		550.0	BICARBONATE (HCO3)	06/15/2011-12/06/2012	6	590.0	636.6667	680.0	2.29	LOWEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-12/06/2012	6	<0.003		0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-12/06/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-12/06/2012	5	0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/15/2011-12/06/2012	6	0.05		0.06		LOWEST
		<0.0005	LEAD (PB) DIS	06/15/2011-12/06/2012	6	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-12/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-12/06/2012	6	0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-12/06/2012	5	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
SW-22	03/07/2013	5.22	FLOW CFS	03/15/2012-05/03/2012	6	NO MEAS		5.10		HIGHEST
		4.98	SODIUM ADSORPTION RATIO	06/15/2011-12/06/2012	6	5.0	5.5283	6.56	0.92	LOWEST
		2580.0	TDS (MEASURED AT 180 C)	06/15/2011-12/06/2012	6	2620.0	2910.0000	3130.0	1.59	LOWEST
		126.0	CALCIUM (CA) TRC	06/15/2011-12/06/2012	5	133.0	140.0000	145.0	2.92	LOWEST
		216.0	MAGNESIUM (MG) DIS	06/15/2011-12/06/2012	6	218.0	252.8333	310.0	1.20	LOWEST
		396.0	SODIUM (NA) DIS	06/15/2011-12/06/2012	6	405.0	461.3333	534.0	1.40	LOWEST
		402.0	SODIUM (NA) TRC	06/15/2011-12/06/2012	5	413.0	450.0000	490.0	1.32	LOWEST
		17.0	POTASSIUM (K) DIS	06/15/2011-12/06/2012	6	18.0	20.6667	25.0	1.57	LOWEST
		17.0	POTASSIUM (K) TRC	06/15/2011-12/06/2012	5	18.0	19.4000	21.0	2.10	LOWEST
		580.0	BICARBONATE (HCO3)	06/15/2011-12/06/2012	6	610.0	660.0000	690.0	2.70	LOWEST
		1500.0	SULFATE (SO4)	06/15/2011-12/06/2012	6	1600.0	1716.6667	1900.0	1.85	LOWEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-12/06/2012	5	<0.003		<0.003		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.024	BARIUM (BA) TRC	06/15/2011-12/06/2012	5	0.025	0.0460	0.096	0.75	LOWEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-12/06/2012	6	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-12/06/2012	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-12/06/2012	6	0.001		0.003		LOWEST
		<0.001	COPPER (CU) TRC	06/15/2011-12/06/2012	5	0.001		0.002		LOWEST
		<0.0005	LEAD (PB) TRC	06/15/2011-12/06/2012	5	<0.0005		0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-12/06/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	06/15/2011-12/06/2012	6	0.001		<0.001		HIGHEST
		0.001	SELENIUM (SE) TRC	06/15/2011-12/06/2012	5	0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-12/06/2012	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-12/06/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-12/06/2012	6	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-12/06/2012	5	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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SUMMARY ANALYSES REPORT

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	03/07/2013
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	3030136006
SAMPLE NUMBER	OCC-1303-335
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	1.5
PH (FLD)	7.6
PH	7.9
SODIUM ADSORPTION RATIO	9.66
SC (UMHOS/CM AT 25 C)	5240.0
SC (UMHOS/CM AT 25 C) (FLD)	5330.0
TDS (MEASURED AT 180 C)	3910.0
	J4D
TOTAL SUSPENDED SOLIDS	40.0
TURBIDITY (NTU)	16.9
WATER TEMPERATURE (FLD)	2.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	91.0
CALCIUM (CA) TRC	95.0
MAGNESIUM (MG) DIS	285.0
MAGNESIUM (MG) TRC	295.0
SODIUM (NA) DIS	830.0
SODIUM (NA) TRC	852.0
POTASSIUM (K) DIS	28.0
POTASSIUM (K) TRC	27.0
TOTAL ALKALINITY AS CACO3	790.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	2400.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.7
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.09
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.033
BARIUM (BA) TRC	0.035
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.62
BORON (B) TRC	0.71
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.71
IRON (FE) TRC	0.98
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0005
MANGANESE (MN) DIS	0.766

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	03/07/2013
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	3030136006
SAMPLE NUMBER	OCC-1303-335

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.799
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.006
MOLYBDENUM (MO) TRC	0.006
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.004
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	03/07/2013
SAMPLE TIME	13:10
LAB	EL
LAB NUMBER	3030136002
SAMPLE NUMBER	OCC-1303-331
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	8.2
PH (FLD)	8.2
PH	8.3
SODIUM ADSORPTION RATIO	5.0
SC (UMHOS/CM AT 25 C)	3310.0
SC (UMHOS/CM AT 25 C) (FLD)	3480.0
TDS (MEASURED AT 180 C)	2420.0
	H,J4D
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	6.6
WATER TEMPERATURE (FLD)	5.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	115.0
CALCIUM (CA) TRC	114.0
MAGNESIUM (MG) DIS	208.0
MAGNESIUM (MG) TRC	206.0
SODIUM (NA) DIS	389.0
SODIUM (NA) TRC	398.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	16.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.07
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.015
BARIUM (BA) TRC	0.016
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.27
BORON (B) TRC	0.27
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.28
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.127

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	03/07/2013
SAMPLE TIME	13:10
LAB	EL
LAB NUMBER	3030136002
SAMPLE NUMBER	OCC-1303-331

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN)	TRC	0.135
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	02/07/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3020128002
SAMPLE NUMBER	OCC-1302-701
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.0111
PH (FLD)	8.2
PH	7.7
SODIUM ADSORPTION RATIO	8.43
SC (UMHOS/CM AT 25 C)	1880.0
SC (UMHOS/CM AT 25 C) (FLD)	1643.0
TDS (MEASURED AT 180 C)	1360.0
TOTAL SUSPENDED SOLIDS	62.0
TURBIDITY (NTU)	42.2
WATER TEMPERATURE (FLD)	2.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	42.0
CALCIUM (CA) TRC	41.0
MAGNESIUM (MG) DIS	39.0
MAGNESIUM (MG) TRC	40.0
SODIUM (NA) DIS	315.0
SODIUM (NA) TRC	335.0
POTASSIUM (K) DIS	8.0
POTASSIUM (K) TRC	9.0
TOTAL ALKALINITY AS CACO3	120.0
BICARBONATE (HCO3)	150.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	790.0
CHLORIDE (CL)	4.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.44
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.07
BARIUM (BA) TRC	0.074
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.11
BORON (B) TRC	0.11
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) TRC	0.007
IRON (FE) DIS	0.26
IRON (FE) TRC	0.25
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.032
MANGANESE (MN) TRC	0.033
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	02/07/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3020128002
SAMPLE NUMBER	OCC-1302-701

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	03/07/2013
SAMPLE TIME	13:25
LAB	EL
LAB NUMBER	3030136003
SAMPLE NUMBER	OCC-1303-332
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	5.07
PH (FLD)	8.3
PH	8.3
SODIUM ADSORPTION RATIO	5.16
SC (UMHOS/CM AT 25 C)	3350.0
SC (UMHOS/CM AT 25 C) (FLD)	3370.0
TDS (MEASURED AT 180 C)	2550.0
	H,J4D
TOTAL SUSPENDED SOLIDS	14.0
TURBIDITY (NTU)	7.0
WATER TEMPERATURE (FLD)	3.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	119.0
CALCIUM (CA) TRC	119.0
MAGNESIUM (MG) DIS	211.0
MAGNESIUM (MG) TRC	212.0
SODIUM (NA) DIS	405.0
SODIUM (NA) TRC	405.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	17.0
TOTAL ALKALINITY AS CACO3	510.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.015
BARIUM (BA) TRC	0.017
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.27
BORON (B) TRC	0.28
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.35
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.201

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	03/07/2013
SAMPLE TIME	13:25
LAB	EL
LAB NUMBER	3030136003
SAMPLE NUMBER	OCC-1303-332

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.217
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18
SAMPLE DATE	02/07/2013
SAMPLE TIME	08:45
LAB	EL
LAB NUMBER	3020128001
SAMPLE NUMBER	OCC-1302-700

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	9.2
PH	6.9
SODIUM ADSORPTION RATIO	0.29
SC (UMHOS/CM AT 25 C)	173.0
SC (UMHOS/CM AT 25 C) (FLD)	263.0
TDS (MEASURED AT 180 C)	169.0
TOTAL SUSPENDED SOLIDS	232.0
TURBIDITY (NTU)	219.0
WATER TEMPERATURE (FLD)	0.5

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	20.0
CALCIUM (CA) TRC	20.0
MAGNESIUM (MG) DIS	7.0
MAGNESIUM (MG) TRC	10.0
SODIUM (NA) DIS	8.0
SODIUM (NA) TRC	7.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	72.0
BICARBONATE (HCO3)	88.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	22.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	<0.1

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.18

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	2.4
ALUMINUM (AL) TRC	7.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.005
BARIUM (BA) DIS	0.064
BARIUM (BA) TRC	0.114
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
BORON (B) TRC	0.04
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0002
CHROMIUM (CR) DIS	0.003
CHROMIUM (CR) TRC	0.011
COPPER (CU) DIS	0.007
COPPER (CU) TRC	0.018
IRON (FE) DIS	1.81
IRON (FE) TRC	10.7
LEAD (PB) DIS	0.0013
LEAD (PB) TRC	0.0082
MANGANESE (MN) DIS	0.043
MANGANESE (MN) TRC	0.21

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18
SAMPLE DATE	02/07/2013
SAMPLE TIME	08:45
LAB	EL
LAB NUMBER	3020128001
SAMPLE NUMBER	OCC-1302-700

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	0.00007
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.02
ZINC (ZN) TRC	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	03/07/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3030136004
SAMPLE NUMBER	OCC-1303-333
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	5.22
PH (FLD)	8.3
PH	8.3
SODIUM ADSORPTION RATIO	4.98
SC (UMHOS/CM AT 25 C)	3400.0
SC (UMHOS/CM AT 25 C) (FLD)	3420.0
TDS (MEASURED AT 180 C)	2580.0
	H,J4D
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	5.8
WATER TEMPERATURE (FLD)	2.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	124.0
CALCIUM (CA) TRC	126.0
MAGNESIUM (MG) DIS	216.0
MAGNESIUM (MG) TRC	218.0
SODIUM (NA) DIS	396.0
SODIUM (NA) TRC	402.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	17.0
TOTAL ALKALINITY AS CACO3	530.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.12
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.022
BARIUM (BA) TRC	0.024
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.26
BORON (B) TRC	0.28
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.34
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.324

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	03/07/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3030136004
SAMPLE NUMBER	OCC-1303-333

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN)	TRC	0.343
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	0.001
SELENIUM (SE)	TRC	0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1	A1
SAMPLE DATE	03/07/2013	03/07/2013
SAMPLE TIME	10:11	10:15
LAB	EL	EL
LAB NUMBER	3030183003	3030183004
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1303-357	OCC-1303-358
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	9.01	
PH (FLD)	7.7	
PH	7.9	7.8
SODIUM ADSORPTION RATIO	9.08	8.94
SC (UMHOS/CM AT 25 C)	2380.0	2380.0
SC (UMHOS/CM AT 25 C) (FLD)	2420.0	
TDS (MEASURED AT 180 C)	1420.0	1440.0
	H,J4D	H,J4D
WATER TEMPERATURE (FLD)	11.3	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	40.0	41.0
MAGNESIUM (MG) DIS	66.0	68.0
SODIUM (NA) DIS	402.0	401.0
POTASSIUM (K) DIS	21.0	21.0
TOTAL ALKALINITY AS CACO3	720.0	720.0
BICARBONATE (HCO3)	840.0	830.0
CARBONATE AS CO3	22.0	24.0
SULFATE (SO4)	510.0	510.0
CHLORIDE (CL)	77.0	77.0
FLUORIDE (F)	2.7	2.7
HYDROXIDE (OH)	<4.0	<4.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	1.29	1.26
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	0.04	0.039
BARIUM (BA) DIS	0.016	0.017
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.35	0.36
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	0.01	0.01
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.011	0.011
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	0.005	0.005
VANADIUM (V) DIS	0.3	0.3
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	03/04/2013
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	3030104006
SAMPLE NUMBER	OCC-1303-345
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.73
PH (FLD)	8.3
PH	7.6
SODIUM ADSORPTION RATIO	5.26
SC (UMHOS/CM AT 25 C)	3370.0
SC (UMHOS/CM AT 25 C) (FLD)	3560.0
TDS (MEASURED AT 180 C)	2200.0
	J4D
WATER TEMPERATURE (FLD)	13.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	138.0
MAGNESIUM (MG) DIS	190.0
SODIUM (NA) DIS	405.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	730.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.48
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.29
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.264
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	03/04/2013
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	3030104005
SAMPLE NUMBER	OCC-1303-344
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.17
PH (FLD)	8.0
PH	7.6
SODIUM ADSORPTION RATIO	4.66
SC (UMHOS/CM AT 25 C)	3100.0
SC (UMHOS/CM AT 25 C) (FLD)	3224.0
TDS (MEASURED AT 180 C)	2060.0
	J4D
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	131.0
MAGNESIUM (MG) DIS	186.0
SODIUM (NA) DIS	354.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	530.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.34
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	03/05/2013
SAMPLE TIME	16:25
LAB	EL
LAB NUMBER	3030104015
SAMPLE NUMBER	OCC-1303-354
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.69
PH (FLD)	7.7
PH	7.4
SODIUM ADSORPTION RATIO	6.0
SC (UMHOS/CM AT 25 C)	3620.0
SC (UMHOS/CM AT 25 C) (FLD)	4020.0
TDS (MEASURED AT 180 C)	2800.0
	J4D
WATER TEMPERATURE (FLD)	11.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	173.0
MAGNESIUM (MG) DIS	188.0
SODIUM (NA) DIS	480.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.31
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	02/25/2013
SAMPLE TIME	13:35
LAB	EL
LAB NUMBER	3020319006
SAMPLE NUMBER	OCC-1302-102
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.6
PH (FLD)	7.7
PH	7.5
SODIUM ADSORPTION RATIO	9.1
SC (UMHOS/CM AT 25 C)	5500.0
SC (UMHOS/CM AT 25 C) (FLD)	5310.0
TDS (MEASURED AT 180 C)	3930.0
WATER TEMPERATURE (FLD)	10.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	161.0
MAGNESIUM (MG) DIS	299.0
SODIUM (NA) DIS	845.0
POTASSIUM (K) DIS	26.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	26.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.04
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	03/04/2013
SAMPLE TIME	12:10
LAB	EL
LAB NUMBER	3030104007
SAMPLE NUMBER	OCC-1303-346
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.93
PH (FLD)	8.2
PH	7.6
SODIUM ADSORPTION RATIO	6.5
SC (UMHOS/CM AT 25 C)	3860.0
SC (UMHOS/CM AT 25 C) (FLD)	4100.0
TDS (MEASURED AT 180 C)	2880.0
	J4D
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	144.0
MAGNESIUM (MG) DIS	201.0
SODIUM (NA) DIS	554.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	730.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.11
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.535
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	03/05/2013
SAMPLE TIME	07:45
LAB	EL
LAB NUMBER	3030104011
SAMPLE NUMBER	OCC-1303-350
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.97
PH (FLD)	6.9
PH	7.6
SODIUM ADSORPTION RATIO	5.21
SC (UMHOS/CM AT 25 C)	1740.0
SC (UMHOS/CM AT 25 C) (FLD)	1990.0
TDS (MEASURED AT 180 C)	1080.0
	J4D
WATER TEMPERATURE (FLD)	6.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	57.0
MAGNESIUM (MG) DIS	64.0
SODIUM (NA) DIS	242.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	590.0
CARBONATE AS CO3	5.0
SULFATE (SO4)	470.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.56
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.41
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.186
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	03/04/2013
SAMPLE TIME	17:05
LAB	EL
LAB NUMBER	3030104010
SAMPLE NUMBER	OCC-1303-349
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	4.71
PH (FLD)	8.1
PH	7.6
SODIUM ADSORPTION RATIO	6.0
SC (UMHOS/CM AT 25 C)	3320.0
SC (UMHOS/CM AT 25 C) (FLD)	3530.0
TDS (MEASURED AT 180 C)	2020.0
	J4D
WATER TEMPERATURE (FLD)	11.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	116.0
MAGNESIUM (MG) DIS	177.0
SODIUM (NA) DIS	440.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	470.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.34
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.49
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.748
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	02/25/2013
SAMPLE TIME	10:45
LAB	EL
LAB NUMBER	3020319004
SAMPLE NUMBER	OCC-1302-100
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.55
PH (FLD)	7.3
PH	7.4
SODIUM ADSORPTION RATIO	6.27
SC (UMHOS/CM AT 25 C)	4900.0
SC (UMHOS/CM AT 25 C) (FLD)	5800.0
TDS (MEASURED AT 180 C)	3980.0
WATER TEMPERATURE (FLD)	10.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	194.0
MAGNESIUM (MG) DIS	316.0
SODIUM (NA) DIS	609.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	690.0
BICARBONATE (HCO3)	840.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2500.0
CHLORIDE (CL)	28.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.37
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.74
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.63
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	03/07/2013
SAMPLE TIME	09:20
LAB	EL
LAB NUMBER	3030183002
SAMPLE NUMBER	OCC-1303-356
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.47
PH (FLD)	7.6
PH	7.5
SODIUM ADSORPTION RATIO	3.12
SC (UMHOS/CM AT 25 C)	1590.0
SC (UMHOS/CM AT 25 C) (FLD)	1682.0
TDS (MEASURED AT 180 C)	919.0
	H,J4D
WATER TEMPERATURE (FLD)	9.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	80.0
SODIUM (NA) DIS	163.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	460.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.9
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.63
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.05
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	03/05/2013
SAMPLE TIME	14:40
LAB	EL
LAB NUMBER	3030104014
SAMPLE NUMBER	OCC-1303-353
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.81
PH (FLD)	7.8
PH	7.7
SODIUM ADSORPTION RATIO	6.57
SC (UMHOS/CM AT 25 C)	3020.0
SC (UMHOS/CM AT 25 C) (FLD)	3260.0
TDS (MEASURED AT 180 C)	1540.0
	J4D
WATER TEMPERATURE (FLD)	8.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	108.0
MAGNESIUM (MG) DIS	135.0
SODIUM (NA) DIS	434.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	700.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.85
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.008
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.172
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	03/07/2013
SAMPLE TIME	08:21
LAB	EL
LAB NUMBER	3030183001
SAMPLE NUMBER	OCC-1303-355
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	39.93
PH (FLD)	7.7
PH	7.7
SODIUM ADSORPTION RATIO	1.76
SC (UMHOS/CM AT 25 C)	1440.0
SC (UMHOS/CM AT 25 C) (FLD)	1623.0
TDS (MEASURED AT 180 C)	808.0
	H,J4D
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	67.0
MAGNESIUM (MG) DIS	104.0
SODIUM (NA) DIS	99.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	290.0
BICARBONATE (HCO3)	340.0
CARBONATE AS CO3	4.0
SULFATE (SO4)	550.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<4.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.51
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.027
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.018
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	03/07/2013
SAMPLE TIME	07:55
LAB	EL
LAB NUMBER	3030181001
SAMPLE NUMBER	OCC-1303-220
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.24
PH (FLD)	7.94
PH	8.1
SODIUM ADSORPTION RATIO	52.8
SC (UMHOS/CM AT 25 C)	4830.0
SC (UMHOS/CM AT 25 C) (FLD)	4436.0
TDS (MEASURED AT 180 C)	1950.0
	H,J4D
WATER TEMPERATURE (FLD)	14.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	8.0
SODIUM (NA) DIS	1160.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.031
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-O
SAMPLE DATE	03/07/2013
SAMPLE TIME	07:15
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
OTHER INFO	dry
SAMPLE NUMBER	OCC-1303-234

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	131.51

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	03/07/2013
SAMPLE TIME	09:25
LAB	EL
LAB NUMBER	3030181002
SAMPLE NUMBER	OCC-1303-221

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.68
PH (FLD)	8.71
PH	8.4
SODIUM ADSORPTION RATIO	44.8
SC (UMHOS/CM AT 25 C)	1200.0
SC (UMHOS/CM AT 25 C) (FLD)	1109.0
TDS (MEASURED AT 180 C)	625.0
	H,J4D
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	288.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	50.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	34.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.067
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	03/09/2013
SAMPLE TIME	05:59
LAB	EL
LAB NUMBER	3030181010
SAMPLE NUMBER	OCC-1303-230
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.28
PH (FLD)	6.74
PH	7.4
SODIUM ADSORPTION RATIO	23.2
SC (UMHOS/CM AT 25 C)	6890.0
SC (UMHOS/CM AT 25 C) (FLD)	6220.0
TDS (MEASURED AT 180 C)	5330.0
	J4D
WATER TEMPERATURE (FLD)	12.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	157.0
MAGNESIUM (MG) DIS	72.0
SODIUM (NA) DIS	1400.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	880.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3000.0
CHLORIDE (CL)	49.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.58
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.021
COPPER (CU) DIS	0.008
IRON (FE) DIS	1.02
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.127
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	03/09/2013
SAMPLE TIME	07:27
LAB	EL
LAB NUMBER	3030181011
SAMPLE NUMBER	OCC-1303-231
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	195.72
PH (FLD)	8.64
PH	8.4
SODIUM ADSORPTION RATIO	41.3
SC (UMHOS/CM AT 25 C)	1180.0
SC (UMHOS/CM AT 25 C) (FLD)	1116.0
TDS (MEASURED AT 180 C)	626.0
	J4D
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	284.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.067
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	02/25/2013
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	3020319001
SAMPLE NUMBER	OCC-1302-200
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.04
PH (FLD)	7.52
PH	7.8
SODIUM ADSORPTION RATIO	26.5
SC (UMHOS/CM AT 25 C)	5200.0
SC (UMHOS/CM AT 25 C) (FLD)	4420.0
TDS (MEASURED AT 180 C)	3230.0
WATER TEMPERATURE (FLD)	11.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	37.0
SODIUM (NA) DIS	1120.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	960.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2100.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.01
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.56
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.066
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	02/25/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3020319003
SAMPLE NUMBER	OCC-1302-203
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.34
PH (FLD)	7.02
PH	6.9
SODIUM ADSORPTION RATIO	3.92
SC (UMHOS/CM AT 25 C)	4400.0
SC (UMHOS/CM AT 25 C) (FLD)	3760.0
TDS (MEASURED AT 180 C)	3180.0
WATER TEMPERATURE (FLD)	10.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	152.0
MAGNESIUM (MG) DIS	417.0
SODIUM (NA) DIS	413.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1300.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.25
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.068
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	02/25/2013
SAMPLE TIME	12:40
LAB	EL
LAB NUMBER	3020319002
SAMPLE NUMBER	OCC-1302-201
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.0
PH (FLD)	8.36
PH	8.2
SODIUM ADSORPTION RATIO	44.1
SC (UMHOS/CM AT 25 C)	2200.0
SC (UMHOS/CM AT 25 C) (FLD)	1913.0
TDS (MEASURED AT 180 C)	1340.0
WATER TEMPERATURE (FLD)	16.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	515.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	520.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.02
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	03/08/2013
SAMPLE TIME	10:23
LAB	EL
LAB NUMBER	3030181008
SAMPLE NUMBER	OCC-1303-227
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.01
PH (FLD)	8.23
PH	8.1
SODIUM ADSORPTION RATIO	52.7
SC (UMHOS/CM AT 25 C)	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1267.0
TDS (MEASURED AT 180 C)	740.0
	J4D
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	338.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	840.0
CARBONATE AS CO3	57.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.092
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	03/08/2013
SAMPLE TIME	10:50
LAB	EL
LAB NUMBER	3030181009
SAMPLE NUMBER	OCC-1303-228
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	143.87
PH (FLD)	7.79
PH	7.6
SODIUM ADSORPTION RATIO	42.2
SC (UMHOS/CM AT 25 C)	2560.0
SC (UMHOS/CM AT 25 C) (FLD)	2265.0
TDS (MEASURED AT 180 C)	1310.0
	J4D
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	9.0
MAGNESIUM (MG) DIS	4.0
SODIUM (NA) DIS	596.0
POTASSIUM (K) DIS	4.0
TOTAL ALKALINITY AS CACO3	980.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	22.0
SULFATE (SO4)	380.0
CHLORIDE (CL)	48.0
FLUORIDE (F)	3.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.038
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.19
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.136
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U	B5-U
SAMPLE DATE	03/08/2013	03/08/2013
SAMPLE TIME	11:40	11:45
LAB	EL	EL
LAB NUMBER	3030181006	3030181007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1303-225	OCC-1303-226
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	159.44	
PH (FLD)	8.8	8.8
PH	8.4	8.4
SODIUM ADSORPTION RATIO	45.9	45.7
SC (UMHOS/CM AT 25 C)	1090.0	1090.0
SC (UMHOS/CM AT 25 C) (FLD)	1025.0	1025.0
TDS (MEASURED AT 180 C)	574.0	567.0
	J4D	J4D
WATER TEMPERATURE (FLD)	16.0	16.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	2.0	2.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	261.0	258.0
POTASSIUM (K) DIS	1.0	1.0
TOTAL ALKALINITY AS CACO3	570.0	580.0
BICARBONATE (HCO3)	610.0	600.0
CARBONATE AS CO3	46.0	48.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	29.0	28.0
FLUORIDE (F)	1.8	1.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.074	0.073
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.16	0.16
	UJ1	UJ1
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.009	0.01
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	03/08/2013
SAMPLE TIME	09:16
LAB	EL
LAB NUMBER	3030181005
SAMPLE NUMBER	OCC-1303-224
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	128.45
PH (FLD)	8.2
PH	8.2
SODIUM ADSORPTION RATIO	50.8
SC (UMHOS/CM AT 25 C)	1520.0
SC (UMHOS/CM AT 25 C) (FLD)	1405.0
TDS (MEASURED AT 180 C)	721.0
	J4D
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	380.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	860.0
BICARBONATE (HCO3)	920.0
CARBONATE AS CO3	61.0
SULFATE (SO4)	19.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.1
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.004
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	03/08/2013
SAMPLE TIME	06:45
LAB	EL
LAB NUMBER	3030181003
SAMPLE NUMBER	OCC-1303-222
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.74
PH (FLD)	7.93
PH	7.9
SODIUM ADSORPTION RATIO	48.8
SC (UMHOS/CM AT 25 C)	5210.0
SC (UMHOS/CM AT 25 C) (FLD)	4793.0
TDS (MEASURED AT 180 C)	3620.0
	J4D
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	29.0
MAGNESIUM (MG) DIS	13.0
SODIUM (NA) DIS	1260.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	60.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.061
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	03/08/2013
SAMPLE TIME	08:15
LAB	EL
LAB NUMBER	3030181004
SAMPLE NUMBER	OCC-1303-223
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	151.16
PH (FLD)	8.77
PH	8.4
SODIUM ADSORPTION RATIO	45.8
SC (UMHOS/CM AT 25 C)	966.0
SC (UMHOS/CM AT 25 C) (FLD)	904.0
TDS (MEASURED AT 180 C)	450.0
	J4D
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	248.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	570.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.007
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	03/04/2013
SAMPLE TIME	11:16
LAB	EL
LAB NUMBER	3030123003
SAMPLE NUMBER	OCC-1303-205
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	207.96
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	44.3
SC (UMHOS/CM AT 25 C)	1550.0
SC (UMHOS/CM AT 25 C) (FLD)	1408.0
TDS (MEASURED AT 180 C)	845.0
	J4D
WATER TEMPERATURE (FLD)	14.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	336.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	330.0
BICARBONATE (HCO3)	360.0
CARBONATE AS CO3	21.0
SULFATE (SO4)	430.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.009
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	03/04/2013
SAMPLE TIME	10:02
LAB	EL
LAB NUMBER	3030123002
SAMPLE NUMBER	OCC-1303-204
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.44
PH (FLD)	8.4
PH	8.3
SODIUM ADSORPTION RATIO	48.1
SC (UMHOS/CM AT 25 C)	1690.0
SC (UMHOS/CM AT 25 C) (FLD)	1550.0
TDS (MEASURED AT 180 C)	913.0
	J4D
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	406.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	48.0
SULFATE (SO4)	92.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.057
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	03/04/2013
SAMPLE TIME	09:08
LAB	EL
LAB NUMBER	3030123001
SAMPLE NUMBER	OCC-1303-202
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.72
PH (FLD)	7.94
PH	8.1
SODIUM ADSORPTION RATIO	49.0
SC (UMHOS/CM AT 25 C)	5000.0
SC (UMHOS/CM AT 25 C) (FLD)	4578.0
TDS (MEASURED AT 180 C)	3400.0
	J4D
WATER TEMPERATURE (FLD)	13.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	21.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1090.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	870.0
BICARBONATE (HCO3)	980.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.052
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	03/04/2013
SAMPLE TIME	14:15
LAB	EL
LAB NUMBER	3030123004
SAMPLE NUMBER	OCC-1303-206
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.74
PH (FLD)	8.9
PH	8.6
SODIUM ADSORPTION RATIO	44.8
SC (UMHOS/CM AT 25 C)	946.0
SC (UMHOS/CM AT 25 C) (FLD)	877.0
TDS (MEASURED AT 180 C)	490.0
	J4D
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	227.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	11.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.048
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	03/05/2013
SAMPLE TIME	08:28
LAB	EL
LAB NUMBER	3030123006
SAMPLE NUMBER	OCC-1303-208
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.84
PH (FLD)	8.43
PH	8.4
SODIUM ADSORPTION RATIO	36.9
SC (UMHOS/CM AT 25 C)	1870.0
SC (UMHOS/CM AT 25 C) (FLD)	2200.0
TDS (MEASURED AT 180 C)	1110.0
	J4D
WATER TEMPERATURE (FLD)	14.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	415.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	480.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	460.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	03/05/2013
SAMPLE TIME	12:06
LAB	EL
LAB NUMBER	3030123008
SAMPLE NUMBER	OCC-1303-210
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.7
PH (FLD)	7.0
PH	7.5
SODIUM ADSORPTION RATIO	5.6
SC (UMHOS/CM AT 25 C)	3290.0
SC (UMHOS/CM AT 25 C) (FLD)	3076.0
TDS (MEASURED AT 180 C)	2460.0
	J4D
WATER TEMPERATURE (FLD)	11.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	155.0
MAGNESIUM (MG) DIS	159.0
SODIUM (NA) DIS	415.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.36
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.3
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.083
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	03/05/2013
SAMPLE TIME	12:59
LAB	EL
LAB NUMBER	3030123009
SAMPLE NUMBER	OCC-1303-211
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	76.05
PH (FLD)	7.42
PH	7.8
SODIUM ADSORPTION RATIO	3.63
SC (UMHOS/CM AT 25 C)	2450.0
SC (UMHOS/CM AT 25 C) (FLD)	2272.0
TDS (MEASURED AT 180 C)	1660.0
	J4D
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	76.0
MAGNESIUM (MG) DIS	177.0
SODIUM (NA) DIS	253.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	410.0
BICARBONATE (HCO3)	480.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.26
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.069
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	03/05/2013
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	3030123007
SAMPLE NUMBER	OCC-1303-209
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	148.92
PH (FLD)	8.75
PH	8.5
SODIUM ADSORPTION RATIO	41.5
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1084.0
TDS (MEASURED AT 180 C)	638.0
	J4D
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	276.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	41.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	42.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.08
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	03/04/2013
SAMPLE TIME	15:34
LAB	EL
LAB NUMBER	3030123005
SAMPLE NUMBER	OCC-1303-207
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.93
PH (FLD)	8.38
PH	8.3
SODIUM ADSORPTION RATIO	58.5
SC (UMHOS/CM AT 25 C)	1650.0
SC (UMHOS/CM AT 25 C) (FLD)	1521.0
TDS (MEASURED AT 180 C)	888.0
	J4D
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	411.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	52.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.099
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.064
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	03/08/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3030181012
SAMPLE NUMBER	OCC-1303-229

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.25
PH (FLD)	8.73
PH	8.3
SODIUM ADSORPTION RATIO	40.8
SC (UMHOS/CM AT 25 C)	1050.0
SC (UMHOS/CM AT 25 C) (FLD)	1001.0
TDS (MEASURED AT 180 C)	569.0
	J4D
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	252.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	27.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.046
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.021
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	03/06/2013
SAMPLE TIME	09:44
LAB	EL
LAB NUMBER	3030123017
SAMPLE NUMBER	OCC-1303-219
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	59.01
PH (FLD)	8.52
PH	8.4
SODIUM ADSORPTION RATIO	43.5
SC (UMHOS/CM AT 25 C)	1430.0
SC (UMHOS/CM AT 25 C) (FLD)	1358.0
TDS (MEASURED AT 180 C)	777.0
	J4D
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	345.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	850.0
CARBONATE AS CO3	51.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	30.0
FLUORIDE (F)	2.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.244
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.21
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.033
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	03/06/2013
SAMPLE TIME	08:18
LAB	EL
LAB NUMBER	3030123016
SAMPLE NUMBER	OCC-1303-218
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.49
PH (FLD)	7.22
PH	7.3
SODIUM ADSORPTION RATIO	23.8
SC (UMHOS/CM AT 25 C)	5180.0
SC (UMHOS/CM AT 25 C) (FLD)	4680.0
TDS (MEASURED AT 180 C)	3740.0
	J4D
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	89.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1080.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.26
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.49
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.041
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	03/06/2013
SAMPLE TIME	07:35
LAB	EL
LAB NUMBER	3030123014
SAMPLE NUMBER	OCC-1303-216
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.3
PH (FLD)	5.59
PH	5.8
SODIUM ADSORPTION RATIO	24.3
SC (UMHOS/CM AT 25 C)	3340.0
SC (UMHOS/CM AT 25 C) (FLD)	3120.0
TDS (MEASURED AT 180 C)	3790.0
	J4D
WATER TEMPERATURE (FLD)	11.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	28.0
MAGNESIUM (MG) DIS	26.0
SODIUM (NA) DIS	741.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	330.0
BICARBONATE (HCO3)	400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	<0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.11
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	4.9
ARSENIC (AS) DIS	0.175
BARIUM (BA) DIS	0.079
BERYLLIUM (BE) DIS	0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.0002
CHROMIUM (CR) DIS	0.014
COPPER (CU) DIS	0.012
IRON (FE) DIS	28.8
LEAD (PB) DIS	0.0136
MANGANESE (MN) DIS	0.096
MERCURY (HG) DIS	0.00014
MOLYBDENUM (MO) DIS	0.02
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	03/06/2013
SAMPLE TIME	08:24
LAB	EL
LAB NUMBER	3030123015
SAMPLE NUMBER	OCC-1303-217
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	67.18
PH (FLD)	8.52
PH	8.3
SODIUM ADSORPTION RATIO	43.0
SC (UMHOS/CM AT 25 C)	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1298.0
TDS (MEASURED AT 180 C)	746.0
	J4D
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	325.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	65.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.131
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.027
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	03/05/2013
SAMPLE TIME	14:47
LAB	EL
LAB NUMBER	3030123010
SAMPLE NUMBER	OCC-1303-212
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	191.63
PH (FLD)	8.39
PH	8.3
SODIUM ADSORPTION RATIO	51.7
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1029.0
TDS (MEASURED AT 180 C)	605.0
	J4D
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	272.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	5.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.115
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
	UJ1
CADMIUM (CD) DIS	0.00014
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.1
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	03/05/2013
SAMPLE TIME	16:20
LAB	EL
LAB NUMBER	3030123012
SAMPLE NUMBER	OCC-1303-214
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	111.14
PH (FLD)	7.61
PH	7.7
SODIUM ADSORPTION RATIO	36.7
SC (UMHOS/CM AT 25 C)	7650.0
SC (UMHOS/CM AT 25 C) (FLD)	7120.0
TDS (MEASURED AT 180 C)	3860.0
	J4D
WATER TEMPERATURE (FLD)	10.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	86.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1650.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	700.0
BICARBONATE (HCO3)	830.0
CARBONATE AS CO3	14.0
SULFATE (SO4)	3500.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.61
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.019
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.165
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	03/05/2013
SAMPLE TIME	17:35
LAB	EL
LAB NUMBER	3030123013
SAMPLE NUMBER	OCC-1303-215
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	176.12
PH (FLD)	8.8
PH	8.5
SODIUM ADSORPTION RATIO	37.1
SC (UMHOS/CM AT 25 C)	968.0
SC (UMHOS/CM AT 25 C) (FLD)	907.0
TDS (MEASURED AT 180 C)	526.0
	J4D
WATER TEMPERATURE (FLD)	17.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	233.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	530.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	47.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.063
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	03/09/2013
SAMPLE TIME	07:20
LAB	HYDRO
LAB NUMBER	
REMARKS	WL ONLY
OTHER INFO	not enough wa
SAMPLE NUMBER	OCC-1303-233

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	151.73

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	03/04/2013
SAMPLE TIME	16:20
LAB	EL
LAB NUMBER	3030104009
SAMPLE NUMBER	OCC-1303-348
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.98
PH (FLD)	8.0
PH	7.6
SODIUM ADSORPTION RATIO	8.42
SC (UMHOS/CM AT 25 C)	3020.0
SC (UMHOS/CM AT 25 C) (FLD)	3200.0
TDS (MEASURED AT 180 C)	1840.0
	J4D
WATER TEMPERATURE (FLD)	11.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	79.0
MAGNESIUM (MG) DIS	115.0
SODIUM (NA) DIS	502.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	32.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	4.24
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.055
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.37
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.03
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.023
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	03/04/2013
SAMPLE TIME	13:50
LAB	EL
LAB NUMBER	3030104008
SAMPLE NUMBER	OCC-1303-347
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.42
PH (FLD)	8.2
PH	7.7
SODIUM ADSORPTION RATIO	6.74
SC (UMHOS/CM AT 25 C)	3450.0
SC (UMHOS/CM AT 25 C) (FLD)	3740.0
TDS (MEASURED AT 180 C)	2010.0
	J4D
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	118.0
MAGNESIUM (MG) DIS	174.0
SODIUM (NA) DIS	492.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	6.32
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.473
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4
SAMPLE DATE	03/05/2013
SAMPLE TIME	11:05
LAB	EL
LAB NUMBER	3030104013
SAMPLE NUMBER	OCC-1303-352
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.57
PH (FLD)	7.4
PH	7.6
SODIUM ADSORPTION RATIO	7.65
SC (UMHOS/CM AT 25 C)	4180.0
SC (UMHOS/CM AT 25 C) (FLD)	4330.0
TDS (MEASURED AT 180 C)	3220.0
	J4D
WATER TEMPERATURE (FLD)	11.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	154.0
MAGNESIUM (MG) DIS	215.0
SODIUM (NA) DIS	626.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	830.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.32
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.32
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.368
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	02/25/2013
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	3020319005
SAMPLE NUMBER	OCC-1302-101
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	73.67
PH (FLD)	8.5
PH	8.3
SODIUM ADSORPTION RATIO	43.5
SC (UMHOS/CM AT 25 C)	1700.0
SC (UMHOS/CM AT 25 C) (FLD)	2200.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	407.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	810.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	110.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.187
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	03/04/2013
SAMPLE TIME	08:30
LAB	EL
LAB NUMBER	3030104001
SAMPLE NUMBER	OCC-1303-340
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	62.51
PH (FLD)	7.6
PH	8.5
SODIUM ADSORPTION RATIO	42.8
SC (UMHOS/CM AT 25 C)	1110.0
SC (UMHOS/CM AT 25 C) (FLD)	1242.0
TDS (MEASURED AT 180 C)	700.0
	J4D
WATER TEMPERATURE (FLD)	10.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	274.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	650.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	14.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.099
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	03/04/2013
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	3030104003
SAMPLE NUMBER	OCC-1303-342
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.76
PH (FLD)	6.9
PH	6.6
SODIUM ADSORPTION RATIO	3.11
SC (UMHOS/CM AT 25 C)	2030.0
SC (UMHOS/CM AT 25 C) (FLD)	2340.0
TDS (MEASURED AT 180 C)	1330.0
	J4D
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	167.0
MAGNESIUM (MG) DIS	97.0
SODIUM (NA) DIS	204.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	590.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	640.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.33
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.81
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.087
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	03/04/2013
SAMPLE TIME	10:25
LAB	EL
LAB NUMBER	3030104004
SAMPLE NUMBER	OCC-1303-343
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	53.6
PH (FLD)	8.4
PH	8.6
SODIUM ADSORPTION RATIO	39.9
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1265.0
TDS (MEASURED AT 180 C)	572.0
	J4D
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	253.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	420.0
BICARBONATE (HCO3)	460.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	130.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	03/05/2013
SAMPLE TIME	10:35
LAB	EL
LAB NUMBER	3030104012
SAMPLE NUMBER	OCC-1303-351
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.37
PH (FLD)	7.6
PH	7.9
SODIUM ADSORPTION RATIO	42.7
SC (UMHOS/CM AT 25 C)	1290.0
SC (UMHOS/CM AT 25 C) (FLD)	1430.0
TDS (MEASURED AT 180 C)	715.0
	J4D
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	325.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.112
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
	UJ1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.28
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.03
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	03/04/2013
SAMPLE TIME	08:55
LAB	EL
LAB NUMBER	3030104002
SAMPLE NUMBER	OCC-1303-341
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.11
PH (FLD)	7.0
PH	7.5
SODIUM ADSORPTION RATIO	13.1
SC (UMHOS/CM AT 25 C)	3170.0
SC (UMHOS/CM AT 25 C) (FLD)	3400.0
TDS (MEASURED AT 180 C)	2050.0
	J4D
WATER TEMPERATURE (FLD)	12.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	64.0
MAGNESIUM (MG) DIS	63.0
SODIUM (NA) DIS	616.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	880.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	900.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.73
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.08
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	03/05/2013
SAMPLE TIME	17:50
LAB	EL
LAB NUMBER	3030104018
SAMPLE NUMBER	OCC-1303-328

-- PHYSICAL PARAMETERS --

FLOW	NO MEAS
PH (FLD)	8.1
PH	8.2
SODIUM ADSORPTION RATIO	17.4
SC (UMHOS/CM AT 25 C)	7420.0
SC (UMHOS/CM AT 25 C) (FLD)	7310.0
TDS (MEASURED AT 180 C)	4570.0
	J4D
TOTAL SUSPENDED SOLIDS	1280.0
TURBIDITY (NTU)	590.0
WATER TEMPERATURE (FLD)	1.3

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	172.0
CALCIUM (CA) TRC	188.0
MAGNESIUM (MG) DIS	211.0
MAGNESIUM (MG) TRC	229.0
SODIUM (NA) DIS	1450.0
SODIUM (NA) TRC	1390.0
POTASSIUM (K) DIS	44.0
POTASSIUM (K) TRC	45.0
TOTAL ALKALINITY AS CACO3	370.0
BICARBONATE (HCO3)	420.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	4000.0
CHLORIDE (CL)	<10.0
FLUORIDE (F)	0.4

-- NUTRIENTS --

NITRATE + NITRITE AS N	0.44

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	0.7
ALUMINUM (AL) TRC	16.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.008
BARIUM (BA) DIS	0.103
BARIUM (BA) TRC	0.209
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	0.001
BORON (B) DIS	0.03
	UJ1
BORON (B) TRC	0.04
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0006
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.018
COPPER (CU) DIS	0.01
COPPER (CU) TRC	0.039
IRON (FE) DIS	0.31
IRON (FE) TRC	22.3

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	03/05/2013
SAMPLE TIME	17:50
LAB	EL
LAB NUMBER	3030104018
SAMPLE NUMBER	OCC-1303-328

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0166
MANGANESE (MN) DIS	0.436
MANGANESE (MN) TRC	1.02
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	0.00007
MOLYBDENUM (MO) DIS	0.008
MOLYBDENUM (MO) TRC	0.007
NICKEL (NI) DIS	0.02
NICKEL (NI) TRC	0.04
SELENIUM (SE) DIS	0.003
SELENIUM (SE) TRC	0.003
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	03/05/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3030104017
SAMPLE NUMBER	OCC-1303-325

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	8.4
PH	7.6
SODIUM ADSORPTION RATIO	0.42
SC (UMHOS/CM AT 25 C)	420.0
SC (UMHOS/CM AT 25 C) (FLD)	671.0
TDS (MEASURED AT 180 C)	275.0
	J4D
TOTAL SUSPENDED SOLIDS	24.0
TURBIDITY (NTU)	13.2
WATER TEMPERATURE (FLD)	1.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	46.0
CALCIUM (CA) TRC	48.0
MAGNESIUM (MG) DIS	11.0
MAGNESIUM (MG) TRC	12.0
SODIUM (NA) DIS	12.0
SODIUM (NA) TRC	12.0
POTASSIUM (K) DIS	12.0
POTASSIUM (K) TRC	12.0
TOTAL ALKALINITY AS CACO3	75.0
BICARBONATE (HCO3)	91.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	2.0
FLUORIDE (F)	<0.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.66
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.046
BARIUM (BA) TRC	0.052
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.03
	UJ1
BORON (B) TRC	0.02
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.004
COPPER (CU) TRC	0.004
IRON (FE) DIS	0.08
IRON (FE) TRC	0.43

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	03/05/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3030104017
SAMPLE NUMBER	OCC-1303-325

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.056
MANGANESE (MN) TRC	0.076
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	03/07/2013
SAMPLE TIME	11:53
LAB	EL
LAB NUMBER	3030136001
SAMPLE NUMBER	OCC-1303-330

-- PHYSICAL PARAMETERS --	
FLOW	NO MEAS
PH (FLD)	8.2
PH	8.0
SODIUM ADSORPTION RATIO	18.4
SC (UMHOS/CM AT 25 C)	7240.0
SC (UMHOS/CM AT 25 C) (FLD)	7170.0
TDS (MEASURED AT 180 C)	5240.0
	H,J4D
TOTAL SUSPENDED SOLIDS	210.0
TURBIDITY (NTU)	21.5
WATER TEMPERATURE (FLD)	2.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	115.0
CALCIUM (CA) TRC	125.0
MAGNESIUM (MG) DIS	213.0
MAGNESIUM (MG) TRC	206.0
SODIUM (NA) DIS	1450.0
SODIUM (NA) TRC	1450.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	17.0
TOTAL ALKALINITY AS CACO3	180.0
BICARBONATE (HCO3)	220.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	4000.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.44
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.3
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.023
BARIUM (BA) TRC	0.032
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.02
	UJ1
BORON (B) TRC	0.02
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	0.007
COPPER (CU) TRC	0.008
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.59
LEAD (PB) DIS	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	03/07/2013
SAMPLE TIME	11:53
LAB	EL
LAB NUMBER	3030136001
SAMPLE NUMBER	OCC-1303-330

-- METALS & MINOR CONSTITUENTS --

LEAD	(PB)	TRC	0.0005
MANGANESE	(MN)	DIS	0.175
MANGANESE	(MN)	TRC	0.187
MERCURY	(HG)	DIS	<0.00005
MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	<0.01
SELENIUM	(SE)	DIS	0.003
SELENIUM	(SE)	TRC	0.003
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	<0.01
ZINC	(ZN)	TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	03/07/2013
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	3030136005
SAMPLE NUMBER	OCC-1303-334

-- PHYSICAL PARAMETERS --

FLOW	NO MEAS
PH (FLD)	8.1
PH	7.7
SODIUM ADSORPTION RATIO	4.97
SC (UMHOS/CM AT 25 C)	3200.0
SC (UMHOS/CM AT 25 C) (FLD)	3310.0
TDS (MEASURED AT 180 C)	2430.0
	H,J4D
TOTAL SUSPENDED SOLIDS	10.0
TURBIDITY (NTU)	3.2
WATER TEMPERATURE (FLD)	5.4

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	124.0
CALCIUM (CA) TRC	130.0
MAGNESIUM (MG) DIS	197.0
MAGNESIUM (MG) TRC	202.0
SODIUM (NA) DIS	382.0
SODIUM (NA) TRC	389.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	15.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	690.0
CARBONATE AS CO3	17.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.5

-- NUTRIENTS --

NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.022
BARIUM (BA) TRC	0.021
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.36
BORON (B) TRC	0.42
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.0002
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.26
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.176

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	03/07/2013
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	3030136005
SAMPLE NUMBER	OCC-1303-334

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.173
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK
SAMPLE DATE	03/05/2013	03/07/2013
SAMPLE TIME	15:14	16:40
LAB	EL	EL
LAB NUMBER	3030123011	3030183006
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1303-213	OCC-1303-360
-- PHYSICAL PARAMETERS --		
PH	5.5	5.9
SODIUM ADSORPTION RATIO	0.03	0.04
SC (UMHOS/CM AT 25 C)	1.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<4.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.04	0.04
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	03/07/2013	03/08/2013
SAMPLE TIME	17:00	07:30
LAB	EL	EL
LAB NUMBER	3030183005	3030181013
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1303-359	OCC-1303-232
-- PHYSICAL PARAMETERS --		
PH	5.4	5.6
SODIUM ADSORPTION RATIO	0.04	0.04
SC (UMHOS/CM AT 25 C)	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<4.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.04	0.04
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	03/07/2013
SAMPLE TIME	15:30
LAB	HYDRO
LAB NUMBER	
REMARKS	FIELD PARAMS
SAMPLE NUMBER	OCC-1303-337

-- PHYSICAL PARAMETERS --

FLOW (cfs)	0.001
PH (FLD)	7.5
SC (UMHOS/CM AT 25 C) (FLD)	5750.0
WATER TEMPERATURE (FLD)	6.0

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	03/05/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3030104016
SAMPLE NUMBER	OCC-1303-336
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	
FLOW (cfs)	0.0017
PH (FLD)	7.5
PH	7.4
SODIUM ADSORPTION RATIO	9.53
SC (UMHOS/CM AT 25 C)	9130.0
SC (UMHOS/CM AT 25 C) (FLD)	8900.0
TDS (MEASURED AT 180 C)	7030.0
	J4D
TOTAL SUSPENDED SOLIDS	100.0
TURBIDITY (NTU)	3.8
WATER TEMPERATURE (FLD)	NO MEAS
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	342.0
CALCIUM (CA) TRC	358.0
MAGNESIUM (MG) DIS	659.0
MAGNESIUM (MG) TRC	709.0
SODIUM (NA) DIS	1310.0
SODIUM (NA) TRC	1350.0
POTASSIUM (K) DIS	26.0
POTASSIUM (K) TRC	27.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	950.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	5500.0
CHLORIDE (CL)	23.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	11.7
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.015
BARIUM (BA) TRC	0.016
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.85
BORON (B) TRC	0.87
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	03/05/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3030104016
SAMPLE NUMBER	OCC-1303-336

-- METALS & MINOR CONSTITUENTS --

LEAD	(PB)	TRC	<0.0005
MANGANESE	(MN)	DIS	<0.005
MANGANESE	(MN)	TRC	<0.005
MERCURY	(HG)	DIS	<0.00005
MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	<0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	<0.01
SELENIUM	(SE)	DIS	0.034
SELENIUM	(SE)	TRC	0.029
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	<0.01
ZINC	(ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
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R:Rejected.

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19	3030104011	OCC-1303-350	03/05/2013	AVF1-2
64	3030104012	OCC-1303-351	03/05/2013	K-5
59	3030104013	OCC-1303-352	03/05/2013	C-4
23	3030104014	OCC-1303-353	03/05/2013	AVF6-3
16	3030104015	OCC-1303-354	03/05/2013	A5
77	3030104016	OCC-1303-336	03/05/2013	FORTUNE SPRING
68	3030104017	OCC-1303-325	03/05/2013	P3
66	3030104018	OCC-1303-328	03/05/2013	P1
41	3030123001	OCC-1303-202	03/04/2013	B7-O
40	3030123002	OCC-1303-204	03/04/2013	B7-KU
39	3030123003	OCC-1303-205	03/04/2013	B7-KL
42	3030123004	OCC-1303-206	03/04/2013	B7-U
47	3030123005	OCC-1303-207	03/04/2013	B9-K
43	3030123006	OCC-1303-208	03/05/2013	B8-KL
46	3030123007	OCC-1303-209	03/05/2013	B8-U
44	3030123008	OCC-1303-210	03/05/2013	B8-KU
45	3030123009	OCC-1303-211	03/05/2013	B8-O
53	3030123010	OCC-1303-212	03/05/2013	B11-K
74	3030123011	OCC-1303-213	03/05/2013	DI BLANK
54	3030123012	OCC-1303-214	03/05/2013	B11-O
55	3030123013	OCC-1303-215	03/05/2013	B11-U
51	3030123014	OCC-1303-216	03/06/2013	B10-O
52	3030123015	OCC-1303-217	03/06/2013	B10-U
50	3030123016	OCC-1303-218	03/06/2013	B10-KU
49	3030123017	OCC-1303-219	03/06/2013	B10-KL
70	3030136001	OCC-1303-330	03/07/2013	P5
3	3030136002	OCC-1303-331	03/07/2013	SW-2
7	3030136003	OCC-1303-332	03/07/2013	SW-16
11	3030136004	OCC-1303-333	03/07/2013	SW-22
72	3030136005	OCC-1303-334	03/07/2013	P6
1	3030136006	OCC-1303-335	03/07/2013	SW-1A
25	3030181001	OCC-1303-220	03/07/2013	B2-K
27	3030181002	OCC-1303-221	03/07/2013	B2-U
37	3030181003	OCC-1303-222	03/08/2013	B6-O
38	3030181004	OCC-1303-223	03/08/2013	B6-U
36	3030181005	OCC-1303-224	03/08/2013	B6-K
35	3030181006	OCC-1303-225	03/08/2013	B5-U
35	3030181007	OCC-1303-226	03/08/2013	B5-U
33	3030181008	OCC-1303-227	03/08/2013	B5-K
34	3030181009	OCC-1303-228	03/08/2013	B5-O
28	3030181010	OCC-1303-230	03/09/2013	B3-K
29	3030181011	OCC-1303-231	03/09/2013	B3-U
48	3030181012	OCC-1303-229	03/08/2013	B9-U
75	3030181013	OCC-1303-232	03/08/2013	RINS BLANK
24	3030183001	OCC-1303-355	03/07/2013	B1-U
22	3030183002	OCC-1303-356	03/07/2013	AVF5-1
13	3030183003	OCC-1303-357	03/07/2013	A1
13	3030183004	OCC-1303-358	03/07/2013	A1
75	3030183005	OCC-1303-359	03/07/2013	RINS BLANK

OTTCRK - Otter Creek Coal Q12013 ANALYSES SUMMARY REPORT

INDEX

+---------- SAMPLE NUMBER ORDER ----------+

Page	Sample Number	Lab ##	Date	Site Code
74	OCC-1303-360	3030183006	03/07/2013	DI BLANK

+---------- LAB NUMBER ORDER ----------+

Page	Lab ##	Sample Number	Date	Site Code
74	3030183006	OCC-1303-360	03/07/2013	DI BLANK

Otter Creek Coal, LLC
April 2013 to June 2013 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

July 2013

Otter Creek Coal, LLC
April 2013 to June 2013 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 04/25/2013 through 06/20/2013
- Total number of samples taken at existing wells: 87 site samples, 3 field duplicates, 26 field observations, 5 DI and rinsate blanks, for a total of 121 samples.
- Frequency for field duplicates was 1 per 29 and 1 per 17 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 11 samples collected.

Violations involving field quality control:

- Nitrate + Nitrite as N was detected in rinsate blank OCC-1305-131with a value of 0.01 mg/L. Boron, TRC was detected in DI Blank OCC-1306-115 with a value of 0.05 mg/L. A validation qualifier "UJ1" was placed on associated water samples meeting low level criteria.
- Sample OCC-1305-114 and its duplicate OCC-1304-115 had an RPD of 166.67% for the analyte Nitrate + Nitrite as N. A validation qualifier UJ4D or J4D was placed on associated samples for this analyte for a +/- PRDL exceedance.
- Sample OCC-1306-110 and its duplicate OCC-1306-109 had RPDs of 66.67% for Aluminum, TRC; 116.67% for Carbonate as CO3; 66.67% for Iron, TRC; 41.10% for Manganese, TRC, 66.67% for Total Suspended Solids; and 110.34% for Turbidity. A validation qualifier UJ4D or J4D was placed on the associated samples for the analytes Aluminum, TRC and Carbonate as CO3 for a +/- PRDL exceedance. A validation qualifier UJ4D or J4D was placed on the associated samples for the analytes Iron, TRC; Manganese, TRC; Total Suspended Solids; Turbidity for RPD exceedances.

Violations involving laboratory quality control:

- For batches H13040428, H13050214, H13050294, H13060240, H13060241, and H13060353, the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Samples OCC-1304-200 through OCC-1304-212 were analyzed outside of the Turbidity suggested holding time. A laboratory qualifier "H" was placed on these samples. As well, OCC-1305-204 was analyzed outside of the Alkalinity, Bicarb and Carb suggested holding time. A laboratory qualifier "H" was placed on these analytes. Samples OCC-1305-100

through OCC-1305-102 were analyzed outside of the Total Dissolved Solids suggested holding time. A laboratory qualifier "H" was placed on these samples.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 87%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the analytical parameters listed in Table 3-1 Analytic Parameters Otter Creek Coal, LLC-Groundwater and Table 2-2 Analytic Parameters Otter Creek Coal, LLC-Surface Water, Mercury, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.
- Per the Analytical Parameters, Acidity, Total as $CaCO_3$ should be tested for if pH<6.0. The samples that had pH<6.0 were not tested for that particular analyte.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary Of Flagged Data
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.
L	-	The reporting limit was the lowest available reporting limit for the analytical method used.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013	06/20/2013
SAMPLE TIME	17:00	16:01	12:10	12:00
LAB	EL	HYDRO	EL	EL
LAB NUMBER	3040428007		3060353006	3060353001
REMARKS		NO SAMPLE	DUPLICATE	
SAMPLE NUMBER	OCC-1304-206	OCC-1305-213	OCC-1306-109	OCC-1306-110
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	NO MEAS
PH (FLD)	7.9			7.9
PH	8.2		8.2	8.1
SODIUM ADSORPTION RATIO	5.53		5.59	5.48
SC (UMHOS/CM AT 25 C)	3450.0		3500.0	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3610.0			3610.0
TDS (MEASURED AT 180 C)	2590.0		2830.0	2720.0
TOTAL SUSPENDED SOLIDS	18.0		48.0	24.0
				J4D
TURBIDITY (NTU)	5.6		9.0	2.6
	H			J4D
WATER TEMPERATURE (FLD)	18.8			20.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	154.0		149.0	154.0
CALCIUM (CA) TRC	158.0		162.0	160.0
MAGNESIUM (MG) DIS	184.0		192.0	204.0
MAGNESIUM (MG) TRC	207.0		197.0	195.0
SODIUM (NA) DIS	430.0		439.0	441.0
SODIUM (NA) TRC	453.0		476.0	465.0
POTASSIUM (K) DIS	14.0		15.0	16.0
POTASSIUM (K) TRC	15.0		17.0	17.0
TOTAL ALKALINITY AS CACO3	610.0		620.0	540.0
BICARBONATE (HCO3)	700.0		720.0	640.0
CARBONATE AS CO3	21.0		19.0	5.0
				J4D
SULFATE (SO4)	1500.0		1500.0	1500.0
CHLORIDE (CL)	12.0		11.0	12.0
FLUORIDE (F)	0.5		0.4	0.4
-- NUTRIENTS --				
NITRATE + NITRITE AS N	0.03		0.02	0.03
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1		<0.1	<0.1
ALUMINUM (AL) TRC	<0.1		0.6	0.3
				J4D
ARSENIC (AS) DIS	<0.003		<0.003	<0.003
ARSENIC (AS) TRC	<0.003		<0.003	0.005
BARIUM (BA) DIS	0.023		0.032	0.031
BARIUM (BA) TRC	0.024		0.039	0.036
BERYLLIUM (BE) DIS	<0.001		<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001	<0.001
BORON (B) DIS	0.31		0.39	0.41
BORON (B) TRC	0.32		0.41	0.41
CADMIUM (CD) DIS	<0.00008		<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008		<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001		<0.001	<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013	06/20/2013
SAMPLE TIME	17:00	16:01	12:10	12:00
LAB	EL	HYDRO	EL	EL
LAB NUMBER	3040428007		3060353006	3060353001
REMARKS		NO SAMPLE	DUPLICATE	
SAMPLE NUMBER	OCC-1304-206	OCC-1305-213	OCC-1306-109	OCC-1306-110
-- METALS & MINOR CONSTITUENTS --				
CHROMIUM (CR) TRC	<0.001		0.001	<0.001
COPPER (CU) DIS	<0.001		<0.001	<0.001
COPPER (CU) TRC	<0.001		0.002	0.002
IRON (FE) DIS	<0.05		<0.05	<0.05
IRON (FE) TRC	0.76		0.96	0.48
				J4D
LEAD (PB) DIS	<0.0005		<0.0005	<0.0005
LEAD (PB) TRC	<0.0005		0.0005	<0.0005
MANGANESE (MN) DIS	0.186		0.016	0.016
MANGANESE (MN) TRC	0.248		0.044	0.029
				J4D
MERCURY (HG) DIS	<0.00005		<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005		<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005	<0.005
NICKEL (NI) DIS	<0.01		<0.01	<0.01
NICKEL (NI) TRC	<0.01		<0.01	<0.01
SELENIUM (SE) DIS	0.003		0.002	0.003
SELENIUM (SE) TRC	0.002		0.002	0.002
VANADIUM (V) DIS	<0.1		<0.1	<0.1
VANADIUM (V) TRC	<0.1		<0.1	<0.1
ZINC (ZN) DIS	<0.01		<0.01	<0.01
ZINC (ZN) TRC	<0.01		<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6	A6
SAMPLE DATE	05/16/2013	05/16/2013
SAMPLE TIME	08:46	08:48
LAB	EL	EL
LAB NUMBER	3050294024	3050294025
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1305-155	OCC-1305-156
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	8.92	
PH (FLD)	7.54	
PH	7.5	7.5
SODIUM ADSORPTION RATIO	9.3	9.26
SC (UMHOS/CM AT 25 C)	5420.0	5420.0
SC (UMHOS/CM AT 25 C) (FLD)	4797.0	
TDS (MEASURED AT 180 C)	4560.0	4390.0
WATER TEMPERATURE (FLD)	11.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	172.0	171.0
MAGNESIUM (MG) DIS	290.0	286.0
SODIUM (NA) DIS	862.0	853.0
POTASSIUM (K) DIS	26.0	26.0
TOTAL ALKALINITY AS CACO3	690.0	690.0
BICARBONATE (HCO3)	840.0	840.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	2600.0	2600.0
CHLORIDE (CL)	22.0	20.0
FLUORIDE (F)	0.7	0.7
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.03	0.04
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.018	0.017
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.42	0.46
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	1.15	1.13
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.009	0.009
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K	B6-K
SAMPLE DATE	05/08/2013	05/08/2013
SAMPLE TIME	11:10	11:12
LAB	EL	EL
LAB NUMBER	3050214015	3050214016
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1305-114	OCC-1305-115
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	129.4	
PH (FLD)	8.16	
PH	8.2	8.2
SODIUM ADSORPTION RATIO	52.3	51.4
SC (UMHOS/CM AT 25 C)	1510.0	1510.0
SC (UMHOS/CM AT 25 C) (FLD)	1405.0	
TDS (MEASURED AT 180 C)	903.0	910.0
WATER TEMPERATURE (FLD)	15.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	3.0	3.0
MAGNESIUM (MG) DIS	1.0	<1.0
SODIUM (NA) DIS	394.0	378.0
POTASSIUM (K) DIS	2.0	2.0
TOTAL ALKALINITY AS CACO3	780.0	780.0
BICARBONATE (HCO3)	860.0	850.0
CARBONATE AS CO3	42.0	48.0
SULFATE (SO4)	18.0	20.0
CHLORIDE (CL)	8.0	8.0
FLUORIDE (F)	1.0	1.0
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.11	<0.01
	J4D	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.101	0.103
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.14	0.14
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

TABLE 3: SUMMARY OF FLAGGED DATA

OTTERCREEK COAL: Q2 April-June 2013 DATA VALIDATION REPORT (all units mg/L unless otherwise noted)

Site	Sample No	Lab No	Date	Description		Result	EPA Code	Comments
SW-1	OCC-1304-200	3040428001	4/25/2013	TURBIDITY (NTU)		12.2	H	HOLD TIME
SW-3	OCC-1304-201	3040428002	4/25/2013	TURBIDITY (NTU)		41.2	H	HOLD TIME
SW-4	OCC-1304-202	3040428003	4/25/2013	TURBIDITY (NTU)		26.3	H	HOLD TIME
SW-7	OCC-1304-203	3040428004	4/25/2013	TURBIDITY (NTU)		29	H	HOLD TIME
SW-6	OCC-1304-204	3040428005	4/25/2013	TURBIDITY (NTU)		8.7	H	HOLD TIME
SW-6	OCC-1304-204	3040428005	4/25/1913	BICARBONATE (HCO3)		140	H	HOLD TIME
SW-6	OCC-1304-204	3040428005	4/25/1913	CARBONATE AS CO3		<1.0	H	HOLD TIME
SW-6	OCC-1304-204	3040428005	4/25/1913	TOTAL ALKALINITY AS CACO3		110	H	HOLD TIME
SW-11	OCC-1304-205	3040428006	4/25/2013	TURBIDITY (NTU)		5.1	H	HOLD TIME
SW-12	OCC-1304-206	3040428007	4/25/2013	TURBIDITY (NTU)		5.6	H	HOLD TIME
SW-10	OCC-1304-207	3040428008	4/25/2013	TURBIDITY (NTU)		193	H	HOLD TIME
SW-9	OCC-1304-208	3040428009	4/25/2013	TURBIDITY (NTU)		52.1	H	HOLD TIME
SW-13	OCC-1304-209	3040428010	4/25/2013	TURBIDITY (NTU)		8	H	HOLD TIME
SW-14	OCC-1304-210	3040428011	4/26/1913	TURBIDITY (NTU)		52.7	H	HOLD TIME
SW-18	OCC-1304-211	3040428012	4/26/1913	TURBIDITY (NTU)		216	H	HOLD TIME
SW-20	OCC-1304-212	3040428013	4/26/1913	TURBIDITY (NTU)		22.4	H	HOLD TIME
B7-O	OCC-1305-100	3050214001	5/6/1913	TDS (MEASURED AT 180 C)		3450	H	HOLD TIME
B7-KU	OCC-1305-101	3050214002	5/6/1913	TDS (MEASURED AT 180 C)		1010	H	HOLD TIME
B7-KL	OCC-1305-102	3050214003	5/6/1913	TDS (MEASURED AT 180 C)		944	H	HOLD TIME
B6-O	OCC-1305-112	3050214013	5/8/1913	NITRATE + NITRITE AS N		0.02	J4D	PRDL
B6-U	OCC-1305-113	3050214014	5/8/1913	NITRATE + NITRITE AS N		<0.01	UJ4D	PRDL
B6-K	OCC-1305-114	3050214015	5/8/1913	NITRATE + NITRITE AS N		0.11	J4D	PRDL
B5-K	OCC-1305-116	3050214017	5/8/1913	NITRATE + NITRITE AS N		<0.01	UJ4D	PRDL
B5-U	OCC-1305-117	3050214018	5/8/1913	NITRATE + NITRITE AS N		<0.01	UJ4D	PRDL
B4-O	OCC-1305-118	3050214019	5/8/1913	NITRATE + NITRITE AS N		0.18	J4D	PRDL
B4-U	OCC-1305-119	3050214020	5/8/1913	NITRATE + NITRITE AS N		0.04	J4D	PRDL
B3-U	OCC-1305-121	3050214022	5/8/1913	NITRATE + NITRITE AS N		<0.01	UJ4D	PRDL
B3-K	OCC-1305-122	3050214023	5/8/1913	NITRATE + NITRITE AS N		<0.02	UJ4D	PRDL
B10-KU	OCC-1305-125	3050214026	5/9/1913	NITRATE + NITRITE AS N		0.03	UJ1	BLANK
SW-12	OCC-1306-110	3060353001	6/20/1913	ALUMINUM (AL)	TRC	0.3	J4D	PRDL
SW-12	OCC-1306-110	3060353001	6/20/1913	CARBONATE AS CO3		5	J4D	PRDL
SW-12	OCC-1306-110	3060353001	6/20/1913	IRON (FE)	TRC	0.48	J4D	67% RPD
SW-12	OCC-1306-110	3060353001	6/20/1913	MANGANESE (MN)	TRC	0.029	J4D	41% RPD
SW-12	OCC-1306-110	3060353001	6/20/1913	TOTAL SUSPENDED SOLIDS		24	J4D	67% RPD
SW-12	OCC-1306-110	3060353001	6/20/1913	TURBIDITY (NTU)		2.6	J4D	110% RPD
SW-8	OCC-1306-111	3060353002	6/20/1913	ALUMINUM (AL)	TRC	<0.1	UJ4D	PRDL
SW-8	OCC-1306-111	3060353002	6/20/1913	CARBONATE AS CO3		<1.0	UJ4D	PRDL
SW-8	OCC-1306-111	3060353002	6/20/1913	IRON (FE)	TRC	0.19	J4D	67% RPD
SW-8	OCC-1306-111	3060353002	6/20/1913	MANGANESE (MN)	TRC	0.32	J4D	41% RPD
SW-8	OCC-1306-111	3060353002	6/20/1913	TOTAL SUSPENDED SOLIDS		16	J4D	67% RPD
SW-8	OCC-1306-111	3060353002	6/20/1913	TURBIDITY (NTU)		2.5	J4D	110% RPD
SW-13	OCC-1306-112	3060353003	6/20/1913	ALUMINUM (AL)	TRC	50.6	J4D	PRDL
SW-13	OCC-1306-112	3060353003	6/20/1913	CARBONATE AS CO3		<1.0	UJ4D	PRDL
SW-13	OCC-1306-112	3060353003	6/20/1913	IRON (FE)	TRC	53.2	J4D	67% RPD
SW-13	OCC-1306-112	3060353003	6/20/1913	MANGANESE (MN)	TRC	1.54	J4D	41% RPD
SW-13	OCC-1306-112	3060353003	6/20/1913	TOTAL SUSPENDED SOLIDS		1050	J4D	67% RPD
SW-13	OCC-1306-112	3060353003	6/20/1913	TURBIDITY (NTU)		503	J4D	110% RPD
SW-20	OCC-1306-113	3060353004	6/20/1913	ALUMINUM (AL)	TRC	71.7	J4D	PRDL
SW-20	OCC-1306-113	3060353004	6/20/1913	CARBONATE AS CO3		<1.0	UJ4D	PRDL
SW-20	OCC-1306-113	3060353004	6/20/1913	IRON (FE)	TRC	148	J4D	67% RPD
SW-20	OCC-1306-113	3060353004	6/20/1913	MANGANESE (MN)	TRC	3.39	J4D	41% RPD

SW-20	OCC-1306-113	3060353004	6/20/1913	TOTAL SUSPENDED SOLIDS		26	J4D	67% RPD
SW-20	OCC-1306-113	3060353004	6/20/1913	TURBIDITY (NTU)		86.4	J4D	110% RPD
SW-18	OCC-1306-114	3060353005	6/20/1913	ALUMINUM (AL)	TRC	33.7	J4D	PRDL
SW-18	OCC-1306-114	3060353005	6/20/1913	CARBONATE AS CO3		<1.0	UJ4D	PRDL
SW-18	OCC-1306-114	3060353005	6/20/1913	IRON (FE)	TRC	73	J4D	67% RPD
SW-18	OCC-1306-114	3060353005	6/20/1913	MANGANESE (MN)	TRC	1.49	J4D	41% RPD
SW-18	OCC-1306-114	3060353005	6/20/1913	TOTAL SUSPENDED SOLIDS		1610	J4D	67% RPD
SW-18	OCC-1306-114	3060353005	6/20/1913	TURBIDITY (NTU)		3500	J4D	110% RPD

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	05/08/2013	05/16/2013	06/21/2013
SAMPLE TIME	16:30	08:00	08:45
LAB	EL	EL	EL
LAB NUMBER	3050214021	3050294022	3060353007
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-120	OCC-1305-153	OCC-1306-115
-- PHYSICAL PARAMETERS --			
PH	5.9	5.9	5.9
SODIUM ADSORPTION RATIO	0.07	0.45	0.07
SC (UMHOS/CM AT 25 C)	2.0	1.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	2.0	<1.0	<1.0
BICARBONATE (HCO3)	2.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.2	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	<0.01	<0.01	<0.01
BORON (B) TRC			0.05
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	05/08/2013	05/16/2013	06/21/2013
SAMPLE TIME	16:30	08:00	08:45
LAB	EL	EL	EL
LAB NUMBER	3050214021	3050294022	3060353007
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-120	OCC-1305-153	OCC-1306-115
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	05/09/2013	05/16/2013
SAMPLE TIME	16:40	08:10
LAB	EL	EL
LAB NUMBER	3050214032	3050294023
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-131	OCC-1305-154
-- PHYSICAL PARAMETERS --		
PH	6.1	5.4
SODIUM ADSORPTION RATIO	0.04	0.21
SC (UMHOS/CM AT 25 C)	3.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	2.0	<1.0
BICARBONATE (HCO3)	3.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	05/16/2013	9.15	SODIUM ADSORPTION RATIO	08/23/2011-03/07/2013	7	7.81	8.5614	9.11	1.16	HIGHEST
		2320.0	SC (UMHOS/CM AT 25 C)	08/23/2011-03/07/2013	7	2330.0	2534.2857	2800.0	1.20	LOWEST
		27.0	CARBONATE AS CO3	08/23/2011-03/07/2013	7	<1.0		22.0		HIGHEST
		500.0	SULFATE (SO4)	08/23/2011-03/07/2013	7	510.0	762.8571	1100.0	1.26	LOWEST
		3.0	FLUORIDE (F)	08/23/2011-03/07/2013	7	2.0	2.5714	3.0	1.02	HIGHEST
		1.35	NITRATE + NITRITE AS N	08/23/2011-03/07/2013	7	0.96	1.1314	1.3	1.59	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-03/07/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/07/2013	7	<0.00005		<0.00005		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	08/23/2011-03/07/2013	7	0.011	0.0119	0.013	2.06	LOWEST
		<0.01	NICKEL (NI) DIS	08/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-03/07/2013	7	0.2	0.2571	0.3	0.80	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
A3	05/14/2013	560.0	TOTAL ALKALINITY AS CACO3	08/24/2011-03/04/2013	7	600.0	621.4286	630.0	5.75	LOWEST
		660.0	BICARBONATE (HCO3)	08/24/2011-03/04/2013	7	730.0	754.2857	770.0	6.75	LOWEST
		12.0	CARBONATE AS CO3	08/24/2011-03/04/2013	7	<1.0		11.0		HIGHEST
		1300.0	SULFATE (SO4)	08/24/2011-03/04/2013	7	1400.0	1414.2857	1500.0	3.02	LOWEST
		0.7	FLUORIDE (F)	08/24/2011-03/04/2013	7	0.6	0.6143	0.7	2.27	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		0.005	ARSENIC (AS) DIS	08/24/2011-03/04/2013	7	0.004	0.0043	0.005	1.46	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.55	BORON (B) DIS	08/24/2011-03/04/2013	7	0.47	0.4957	0.55	2.01	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		0.281	MANGANESE (MN) DIS	08/24/2011-03/04/2013	7	0.245	0.2573	0.266	2.92	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/04/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-03/04/2013	7	0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
A4	05/14/2013	198.0	MAGNESIUM (MG) DIS	06/22/2011-03/04/2013	7	178.0	184.8571	192.0	3.06	HIGHEST
		374.0	SODIUM (NA) DIS	06/22/2011-03/04/2013	7	343.0	355.5714	370	1.95	HIGHEST
		490.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	520.0	537.1429	550.0	4.24	LOWEST
		580.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	640.0	652.8571	670.0	5.28	LOWEST
		8.0	CHLORIDE (CL)	06/22/2011-03/04/2013	7	5.0	6.7143	8.0	1.03	HIGHEST
		0.9	FLUORIDE (F)	06/22/2011-03/04/2013	7	0.7	0.7714	0.8	2.63	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		0.018	BARIUM (BA) DIS	06/22/2011-03/04/2013	7	0.016	0.0166	0.018	1.82	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-03/04/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		1.38	MANGANESE (MN) DIS	06/22/2011-03/04/2013	7	1.26	1.3000	1.34	2.89	HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	0.007	0.0070	0.007		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

Generated from s:\statout\\rpOTTCRK.006

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A5	05/15/2013	570.0	TOTAL ALKALINITY AS CACO3	08/25/2011-03/05/2013	7	620.0	649.8571	680.0	3.04	LOWEST
		700.0	BICARBONATE (HCO3)	08/25/2011-03/05/2013	7	750.0	784.0000	830.0	2.57	LOWEST
		0.5	FLUORIDE (F)	08/25/2011-03/05/2013	7	0.4	0.4714	0.5	0.59	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		0.018	BARIUM (BA) DIS	08/25/2011-03/05/2013	7	0.019	0.0227	0.029	1.26	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
A6	05/16/2013	690.0	TOTAL ALKALINITY AS CACO3	06/22/2011-02/25/2013	7	750.0	757.1429	770.0	7.06	LOWEST
		840.0	BICARBONATE (HCO3)	06/22/2011-02/25/2013	7	910.0	924.2857	940.0	6.62	LOWEST
		0.7	FLUORIDE (F)	06/22/2011-02/25/2013	7	0.3	0.5857	0.7	0.85	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-02/25/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-02/25/2013	7	0.001	0.0014	0.002	0.80	LOWEST
		<0.05	IRON (FE) DIS	06/22/2011-02/25/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
A6	05/16/2013	690.0	TOTAL ALKALINITY AS CACO3	06/22/2011-02/25/2013	7	750.0	757.1429	770.0	7.06	LOWEST
		840.0	BICARBONATE (HCO3)	06/22/2011-02/25/2013	7	910.0	924.2857	940.0	6.62	LOWEST
		0.7	FLUORIDE (F)	06/22/2011-02/25/2013	7	0.3	0.5857	0.7	0.85	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-02/25/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		0.46	BORON (B) DIS	06/22/2011-02/25/2013	7	0.36	0.3971	0.43	2.66	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-02/25/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
A7	05/14/2013	6.41	SODIUM ADSORPTION RATIO	08/24/2011-03/04/2013	7	6.43	6.7143	7.22	1.01	LOWEST
		211.0	MAGNESIUM (MG) DIS	08/24/2011-03/04/2013	7	193.0	200.4286	209.0	1.98	HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	08/24/2011-03/04/2013	7	600.0	617.1429	630.0	5.14	LOWEST
		670.0	BICARBONATE (HCO3)	08/24/2011-03/04/2013	7	730.0	750.0000	770.0	5.24	LOWEST
		1800.0	SULFATE (SO4)	08/24/2011-03/04/2013	7	1600.0	1671.4286	1800.0	1.70	HIGHEST
		0.9	FLUORIDE (F)	08/24/2011-03/04/2013	7	0.8	0.8714	0.9	0.59	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		4.23	IRON (FE) DIS	08/24/2011-03/04/2013	7	4.48	5.2000	5.48	2.78	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	08/24/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		0.562	MANGANESE (MN) DIS	08/24/2011-03/04/2013	7	0.514	0.5330	0.556	1.84	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/04/2013	7	<0.00005		<0.00005		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-03/04/2013	7	0.005	0.0050	0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
AVF1-2	05/15/2013	5.36	SODIUM ADSORPTION RATIO	06/23/2011-03/05/2013	7	5.13	5.2100	5.27	2.85	HIGHEST
		59.0	CALCIUM (CA) DIS	06/23/2011-03/05/2013	7	51.0	55.0000	57.0	1.92	HIGHEST
		254.0	SODIUM (NA) DIS	06/23/2011-03/05/2013	7	236.0	241.8571	247	3.44	HIGHEST
		17.0	POTASSIUM (K) DIS	06/23/2011-03/05/2013	7	14.0	15.8571	17.0	1.27	HIGHEST
		13.0	CARBONATE AS CO3	06/23/2011-03/05/2013	7	<1.0	4.4286	7.0	4.51	HIGHEST
		9.0	CHLORIDE (CL)	06/23/2011-03/05/2013	7	7	7.5714	9.0	1.82	HIGHEST
		1.6	FLUORIDE (F)	06/23/2011-03/05/2013	7	1.3	1.4000	1.5	2.45	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-03/05/2013	7	NR		<0.001		HIGHEST
		0.65	BORON (B) DIS	06/23/2011-03/05/2013	7	0.54	0.5757	0.6	3.46	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		0.201	MANGANESE (MN) DIS	06/23/2011-03/05/2013	7	0.186	0.1889	0.192	5.97	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
AVF2-2	05/15/2013	6.16	SODIUM ADSORPTION RATIO	06/23/2011-03/04/2013	6	5.83	5.9950	6.16	1.47	HIGHEST
		3350.0	SC (UMHOS/CM AT 25 C)	06/23/2011-03/04/2013	6	3060.0	3245.0000	3340.0	0.86	HIGHEST
		118.0	CALCIUM (CA) DIS	06/23/2011-03/04/2013	6	100.0	107.0000	116.0	2.08	HIGHEST
		458.0	SODIUM (NA) DIS	06/23/2011-03/04/2013	6	410.0	432.1667	455	1.48	HIGHEST
		450.0	TOTAL ALKALINITY AS CACO3	06/23/2011-03/04/2013	6	470.0	486.6667	500.0	3.55	LOWEST
		530.0	BICARBONATE (HCO3)	06/23/2011-03/04/2013	6	580.0	591.6667	610.0	4.64	LOWEST
		9.0	CHLORIDE (CL)	06/23/2011-03/04/2013	6	6.0	8.0000	9.0	0.79	HIGHEST
		0.9	FLUORIDE (F)	06/23/2011-03/04/2013	6	0.7	0.7500	0.8	2.74	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-03/04/2013	6	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/04/2013	6	<0.001		<0.001		HIGHEST
		0.57	BORON (B) DIS	06/23/2011-03/04/2013	6	0.47	0.5033	0.53	3.09	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/04/2013	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-03/04/2013	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/04/2013	6	<0.001		<0.001		HIGHEST
		4.86	IRON (FE) DIS	06/23/2011-03/04/2013	6	4.16	4.3133	4.53	3.84	HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/04/2013	6	<0.0005		<0.0005		HIGHEST
		0.009	MOLYBDENUM (MO) DIS	06/23/2011-03/04/2013	6	0.008	0.0085	0.009	0.91	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/04/2013	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-03/04/2013	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/04/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/04/2013	6	<0.01		<0.01		HIGHEST
AVF3-2	05/14/2013	209.0	CALCIUM (CA) DIS	06/22/2011-02/25/2013	7	177.0	193.4286	206.0	1.72	HIGHEST
		25.0	POTASSIUM (K) DIS	06/22/2011-02/25/2013	7	23.0	24.0000	25.0	1.73	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-02/25/2013	7	690.0	702.8571	720.0	5.65	LOWEST
		780.0	BICARBONATE (HCO3)	06/22/2011-02/25/2013	7	840.0	855.7143	870.0	6.68	LOWEST
		0.7	FLUORIDE (F)	06/22/2011-02/25/2013	7	0.6	0.6000	0.6		HIGHEST
		0.06	NITRATE + NITRITE AS N	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-02/25/2013	7	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		0.41	BORON (B) DIS	06/22/2011-02/25/2013	7	0.34	0.3529	0.37	4.56	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/22/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		1.68	MANGANESE (MN) DIS	06/22/2011-02/25/2013	7	1.58	1.6371	1.68	1.39	HIGHEST
		0.006	MOLYBDENUM (MO) DIS	06/22/2011-02/25/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
AVF5-1	05/15/2013	1040.0	TDS (MEASURED AT 180 C)	06/23/2011-03/07/2013	7	919.0	989.4286	1030.0	1.31	HIGHEST
		85.0	CALCIUM (CA) DIS	06/23/2011-03/07/2013	7	66.0	73.2857	78.0	3.07	HIGHEST
		84.0	MAGNESIUM (MG) DIS	06/23/2011-03/07/2013	7	74.0	77.4286	84.0	1.80	HIGHEST
		169.0	SODIUM (NA) DIS	06/23/2011-03/07/2013	7	149.0	156.0000	164	2.33	HIGHEST
		14.0	POTASSIUM (K) DIS	06/23/2011-03/07/2013	7	12.0	13.1429	14.0	1.24	HIGHEST
		410.0	TOTAL ALKALINITY AS CACO3	06/23/2011-03/07/2013	7	430.0	437.1429	450.0	2.85	LOWEST
		490.0	BICARBONATE (HCO3)	06/23/2011-03/07/2013	7	520.0	531.4286	540.0	4.60	LOWEST
		6.0	CARBONATE AS CO3	06/23/2011-03/07/2013	7	<1.0		<4.0		HIGHEST
		9.0	CHLORIDE (CL)	06/23/2011-03/07/2013	7	6.0	6.5714	8.0	3.09	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-03/07/2013	7	NR		<0.001		HIGHEST
		0.65	BORON (B) DIS	06/23/2011-03/07/2013	7	0.57	0.6114	0.63	1.76	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-03/07/2013	7	0.05	0.0857	0.22	0.55	LOWEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		0.044	MANGANESE (MN) DIS	06/23/2011-03/07/2013	7	0.05	0.0561	0.061	3.05	LOWEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
AVF6-3	05/15/2013	109.0	CALCIUM (CA) DIS	08/24/2011-03/05/2013	7	98.0	101.5714	108.0	2.18	HIGHEST
		22.0	POTASSIUM (K) DIS	08/24/2011-03/05/2013	7	20.0	20.8571	22.0	1.66	HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	08/24/2011-03/05/2013	7	590.0	614.2857	640.0	3.16	LOWEST
		650.0	BICARBONATE (HCO3)	08/24/2011-03/05/2013	7	670.0	724.2857	760.0	2.44	LOWEST
		0.8	FLUORIDE (F)	08/24/2011-03/05/2013	7	0.7	0.7429	0.8	1.07	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-03/05/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		0.003	SELENIUM (SE) DIS	08/24/2011-03/05/2013	7	0.004	0.0040	0.004		LOWEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B1-U	05/15/2013	1.86	SODIUM ADSORPTION RATIO	06/23/2011-03/07/2013	7	1.76	1.7971	1.86	1.42	HIGHEST
		71.0	CALCIUM (CA) DIS	06/23/2011-03/07/2013	7	59.0	64.2857	67.0	2.56	HIGHEST
		105.0	SODIUM (NA) DIS	06/23/2011-03/07/2013	7	95.0	98.4286	102	2.38	HIGHEST
		270.0	TOTAL ALKALINITY AS CACO3	06/23/2011-03/07/2013	7	280.0	288.5714	300.0	2.69	LOWEST
		310.0	BICARBONATE (HCO3)	06/23/2011-03/07/2013	7	320.0	344.2857	360.0	2.69	LOWEST
		0.56	NITRATE + NITRITE AS N	06/23/2011-03/07/2013	7	<0.01	0.2471	0.51	1.69	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/07/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) DIS	06/23/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
B2-K	05/09/2013	9.0	MAGNESIUM (MG) DIS	06/29/2011-03/07/2013	7	8.0	8.2857	9.0	1.46	HIGHEST
		1100.0	TOTAL ALKALINITY AS CACO3	06/29/2011-03/07/2013	7	1200.0	1201.4286	1210.0	> 10	LOWEST
		1200.0	BICARBONATE (HCO3)	06/29/2011-03/07/2013	7	1400.0	1420.0000	1500.0	5.74	LOWEST
		58.0	CARBONATE AS CO3	06/29/2011-03/07/2013	7	<4.0	28.7143	44.0	2.14	HIGHEST
		16.0	CHLORIDE (CL)	06/29/2011-03/07/2013	7	10.0	13.1429	16.0	1.30	HIGHEST
		1.1	FLUORIDE (F)	06/29/2011-03/07/2013	7	0.9	1.0000	1.1	1.22	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/29/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-03/07/2013	7	0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-03/07/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-03/07/2013	7	0.01		<0.01		HIGHEST
B2-U	05/09/2013	1210.0	SC (UMHOS/CM AT 25 C)	06/29/2011-03/07/2013	7	1080.0	1158.5714	1200.0	1.02	HIGHEST
		2.0	CALCIUM (CA) DIS	06/29/2011-03/07/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-03/07/2013	7	<1.0		<1.0		HIGHEST
		580.0	TOTAL ALKALINITY AS CACO3	06/29/2011-03/07/2013	7	618.0	634.0000	650.0	4.59	LOWEST
		620.0	BICARBONATE (HCO3)	06/29/2011-03/07/2013	7	680.0	702.1429	720.0	5.39	LOWEST
		34.0	CHLORIDE (CL)	06/29/2011-03/07/2013	7	30.0	32.7143	34.0	0.93	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		0.068	BARIUM (BA) DIS	06/29/2011-03/07/2013	7	0.045	0.0581	0.067	1.41	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	06/29/2011-03/07/2013	7	0.12	0.1343	0.14	2.00	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-03/07/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
B3-K	05/08/2013	4710.0	TDS (MEASURED AT 180 C)	08/24/2011-03/09/2013	7	5080.0	5328.5714	5630.0	3.38	LOWEST
		75.0	MAGNESIUM (MG) DIS	08/24/2011-03/09/2013	7	67.0	70.5714	72.0	2.44	HIGHEST
		<0.2	FLUORIDE (F)	08/24/2011-03/09/2013	7	0.2	0.2000	0.2	0.00	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-03/09/2013	7	0.1	0.1857	0.4	0.80	LOWEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-03/09/2013	7	<0.003		<0.003		HIGHEST
		0.031	BARIUM (BA) DIS	08/24/2011-03/09/2013	7	0.015	0.0194	0.026	2.99	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/09/2013	7	<0.001		<0.001		HIGHEST
		0.56	BORON (B) DIS	08/24/2011-03/09/2013	7	0.58	0.6329	0.67	2.17	LOWEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/09/2013	7	<0.00008		<0.00008		HIGHEST
		0.01	COPPER (CU) DIS	08/24/2011-03/09/2013	7	0.003	0.0057	0.008	2.00	HIGHEST
		0.67	IRON (FE) DIS	08/24/2011-03/09/2013	7	0.9	1.0671	1.23	3.86	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/09/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-03/09/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/09/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/09/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/09/2013	7	<0.1		<0.1		HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B3-U	05/08/2013	<1.0	MAGNESIUM (MG) DIS	08/24/2011-03/09/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-03/09/2013	7	1.0	1.0000	1.0		HIGHEST
		600.0	TOTAL ALKALINITY AS CACO3	08/24/2011-03/09/2013	7	640.0	662.8571	700.0	3.18	LOWEST
		650.0	BICARBONATE (HCO3)	08/24/2011-03/09/2013	7	710.0	747.1429	860.0	1.91	LOWEST
		2.1	FLUORIDE (F)	08/24/2011-03/09/2013	7	1.6	1.9143	2.0	1.27	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-03/09/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-03/09/2013	7	<0.003		<0.003		HIGHEST
		0.067	BARIUM (BA) DIS	08/24/2011-03/09/2013	7	0.054	0.0613	0.067	1.07	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/09/2013	7	<0.001		<0.001		HIGHEST
		0.16	BORON (B) DIS	08/24/2011-03/09/2013	7	0.14	0.1514	0.16	1.24	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/09/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-03/09/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-03/09/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/09/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-03/09/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/09/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/09/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/09/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/09/2013	7	<0.01		<0.01		HIGHEST
B4-K	05/07/2013	1160.0	SODIUM (NA) DIS	08/24/2011-02/25/2013	7	1020.0	1120.0000	1160.0	0.84	HIGHEST
		8.0	POTASSIUM (K) DIS	08/24/2011-02/25/2013	7	7.0	7.8571	8.0	0.38	HIGHEST
		850.0	BICARBONATE (HCO3)	08/24/2011-02/25/2013	7	880.0	934.2857	970.0	2.40	LOWEST
		0.5	FLUORIDE (F)	08/24/2011-02/25/2013	7	0.4	0.4000	0.4	> 10	HIGHEST
		0.04	NITRATE + NITRITE AS N	08/24/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-02/25/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		0.21	BORON (B) DIS	08/24/2011-02/25/2013	7	0.17	0.1900	0.21	1.41	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-02/25/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-02/25/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
B4-O	05/08/2013	4.1	SODIUM ADSORPTION RATIO	08/24/2011-02/25/2013	7	3.83	3.9129	4.05	2.76	HIGHEST
		1200.0	BICARBONATE (HCO3)	08/24/2011-02/25/2013	7	1300.0	1357.1429	1400.0	2.94	LOWEST
		0.18	NITRATE + NITRITE AS N	08/24/2011-02/25/2013	7	<0.01	0.0157	0.04	> 10	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		0.012	BARIUM (BA) DIS	08/24/2011-02/25/2013	7	0.013	0.0294	0.088	0.66	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-02/25/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-02/25/2013	7	0.01		0.02		LOWEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		0.02	ZINC (ZN) DIS	08/24/2011-02/25/2013	7	0.01	0.0129	0.02	1.46	HIGHEST
B4-U	05/08/2013	45.2	SODIUM ADSORPTION RATIO	08/25/2011-02/25/2013	7	39.9	43.5429	44.9	0.98	HIGHEST
		620.0	TOTAL ALKALINITY AS CACO3	08/25/2011-02/25/2013	7	670.0	688.5714	710.0	4.36	LOWEST
		680.0	BICARBONATE (HCO3)	08/25/2011-02/25/2013	7	760.0	800.0000	870.0	2.62	LOWEST
		36.0	CARBONATE AS CO3	08/25/2011-02/25/2013	7	<1.0	21.1429	35.0	1.11	HIGHEST
		1.2	FLUORIDE (F)	08/25/2011-02/25/2013	7	1.0	1.1000	1.2	1.22	HIGHEST

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		0.04	NITRATE + NITRITE AS N	08/25/2011-02/25/2013	7	<0.01		0.03		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-02/25/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
B5-K	05/08/2013	55.2	SODIUM ADSORPTION RATIO	06/23/2011-03/08/2013	7	31.6	49.5286	53.4	0.71	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		346.0	SODIUM (NA) DIS	06/23/2011-03/08/2013	7	312.0	329.0000	343	1.54	HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		790.0	BICARBONATE (HCO3)	06/23/2011-03/08/2013	7	820.0	847.1429	890.0	1.91	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-03/08/2013	7	0.1	0.3429	0.6	1.41	LOWEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		0.096	BARIUM (BA) DIS	06/23/2011-03/08/2013	7	0.072	0.0800	0.092	2.06	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		0.013	MANGANESE (MN) DIS	06/23/2011-03/08/2013	7	0.014	0.0174	0.021	1.48	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B5-O	05/09/2013	36.0	CARBONATE AS CO3	06/23/2011-03/08/2013	7	10.0	18.4286	25.0	3.30	HIGHEST
		48.0	CHLORIDE (CL)	06/23/2011-03/08/2013	7	36.0	42.7143	48.0	1.15	HIGHEST
		4.2	FLUORIDE (F)	06/23/2011-03/08/2013	7	3.1	3.9000	4.1	0.84	HIGHEST
		1.62	NITRATE + NITRITE AS N	06/23/2011-03/08/2013	7	<0.01	0.1186	0.6	6.93	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/08/2013	7	0.001	0.0087	0.034	0.57	LOWEST
		0.076	MANGANESE (MN) DIS	06/23/2011-03/08/2013	7	0.098	0.1951	0.38	1.29	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
B5-U	05/08/2013	47.4	SODIUM ADSORPTION RATIO	06/23/2011-03/08/2013	7	43.3	44.6286	45.9	3.04	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/23/2011-03/08/2013	7	1.0	1.0000	1.0		HIGHEST
		520.0	TOTAL ALKALINITY AS CACO3	06/23/2011-03/08/2013	7	560.0	571.4286	580.0	7.45	LOWEST
		560.0	BICARBONATE (HCO3)	06/23/2011-03/08/2013	7	610.0	627.1429	640.0	7.06	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-03/08/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		0.01	MANGANESE (MN) DIS	06/23/2011-03/08/2013	7	0.007	0.0079	0.009	2.38	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-03/08/2013	7	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.1	VANADIUM (V) DIS	06/23/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B6-K	05/08/2013	3.0	CALCIUM (CA) DIS	08/25/2011-03/08/2013	7	2.0	2.7143	3.0	0.59	HIGHEST
		1.0	MAGNESIUM (MG) DIS	08/25/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		394.0	SODIUM (NA) DIS	08/25/2011-03/08/2013	7	366.0	375.2857	386.0	2.69	HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		780.0	TOTAL ALKALINITY AS CACO3	08/25/2011-03/08/2013	7	850.0	855.7143	870.0	9.62	LOWEST
		860.0	BICARBONATE (HCO3)	08/25/2011-03/08/2013	7	920.0	971.8571	1000.0	4.40	LOWEST
		8.0	CHLORIDE (CL)	08/25/2011-03/08/2013	7	6.0	7.1429	8.0	1.24	HIGHEST
		1.0	FLUORIDE (F)	08/25/2011-03/08/2013	7	0.8	0.9286	1.0	0.94	HIGHEST
		0.11	NITRATE + NITRITE AS N	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/25/2011-03/08/2013	7	0.11	0.1329	0.14	0.64	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B6-K	05/08/2013	3.0	CALCIUM (CA) DIS	08/25/2011-03/08/2013	7	2.0	2.7143	3.0	0.59	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-03/08/2013	7	2.0	2.0000	2.0		HIGHEST
		780.0	TOTAL ALKALINITY AS CACO3	08/25/2011-03/08/2013	7	850.0	855.7143	870.0	9.62	LOWEST
		850.0	BICARBONATE (HCO3)	08/25/2011-03/08/2013	7	920.0	971.8571	1000.0	4.79	LOWEST
		8.0	CHLORIDE (CL)	08/25/2011-03/08/2013	7	6.0	7.1429	8.0	1.24	HIGHEST
		1.0	FLUORIDE (F)	08/25/2011-03/08/2013	7	0.8	0.9286	1.0	0.94	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/25/2011-03/08/2013	7	0.11	0.1329	0.14	0.64	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B6-O	05/08/2013	7.0	POTASSIUM (K) DIS	08/25/2011-03/08/2013	7	6.0	6.7143	7.0	0.59	HIGHEST
		1200.0	TOTAL ALKALINITY AS CACO3	08/25/2011-03/08/2013	7	1290.0	1298.5714	1300.0	> 10	LOWEST
		1300.0	BICARBONATE (HCO3)	08/25/2011-03/08/2013	7	1400.0	1494.2857	1600.0	2.61	LOWEST
		1.4	FLUORIDE (F)	08/25/2011-03/08/2013	7	1.2	1.3000	1.4	1.73	HIGHEST
		0.014	BARIUM (BA) DIS	08/25/2011-03/08/2013	7	0.015	0.0223	0.038	1.06	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	08/25/2011-03/08/2013	7	<0.001	0.0016	0.002	0.80	HIGHEST
		0.009	COPPER (CU) DIS	08/25/2011-03/08/2013	7	<0.001	0.0020	0.005	4.95	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-03/08/2013	7	0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B6-U	05/08/2013	2.0	CALCIUM (CA) DIS	08/25/2011-03/08/2013	7	1.0	1.7143	2.0	0.59	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-03/08/2013	7	1.0	1.0000	1.0		HIGHEST
		490.0	TOTAL ALKALINITY AS CACO3	08/25/2011-03/08/2013	7	517.0	536.7143	550.0	4.48	LOWEST
		530.0	BICARBONATE (HCO3)	08/25/2011-03/08/2013	7	570.0	587.0000	600.0	5.91	LOWEST
		<1.0	SULFATE (SO4)	08/25/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		0.025	BARIUM (BA) DIS	08/25/2011-03/08/2013	7	0.019	0.0219	0.024	1.88	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/25/2011-03/08/2013	7	0.11	0.1229	0.13	0.94	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-03/08/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-03/08/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B7-KL	05/06/2013	<1.0	MAGNESIUM (MG) DIS	06/21/2011-03/04/2013	7	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-03/04/2013	7	2.0	2.0000	2.0		HIGHEST
		310.0	TOTAL ALKALINITY AS CACO3	06/21/2011-03/04/2013	7	328.0	339.7143	350.0	3.46	LOWEST
		330.0	BICARBONATE (HCO3)	06/21/2011-03/04/2013	7	360.0	379.2857	410.0	3.00	LOWEST
		9.0	CHLORIDE (CL)	06/21/2011-03/04/2013	7	6.0	7.2857	9.0	1.80	HIGHEST
		1.0	FLUORIDE (F)	06/21/2011-03/04/2013	7	0.9	0.9571	1.0	0.80	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.11	BORON (B) DIS	06/21/2011-03/04/2013	7	0.09	0.0957	0.1	2.67	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
B7-KU	05/06/2013	780.0	TOTAL ALKALINITY AS CACO3	06/21/2011-03/04/2013	7	830.0	877.2857	900.0	3.25	LOWEST
		860.0	BICARBONATE (HCO3)	06/21/2011-03/04/2013	7	910.0	982.8571	1030.0	3.22	LOWEST
		2.4	FLUORIDE (F)	06/21/2011-03/04/2013	7	1.3	1.9429	2.2	1.53	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		0.059	BARIUM (BA) DIS	06/21/2011-03/04/2013	7	0.024	0.0437	0.057	1.41	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.0009	LEAD (PB) DIS	06/21/2011-03/04/2013	7	<0.0005		0.0008		HIGHEST
		0.029	MANGANESE (MN) DIS	06/21/2011-03/04/2013	7	0.006	0.0137	0.029	2.12	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
B7-O	05/06/2013	10.0	MAGNESIUM (MG) DIS	06/21/2011-03/04/2013	7	10.0	10.0000	10.0		HIGHEST
		820.0	TOTAL ALKALINITY AS CACO3	06/21/2011-03/04/2013	7	870.0	896.4286	920.0	3.87	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		930.0	BICARBONATE (HCO3)	06/21/2011-03/04/2013	7	980.0	1047.1429	1100.0	2.18	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		0.012	BARIUM (BA) DIS	06/21/2011-03/04/2013	7	0.013	0.0164	0.023	1.40	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		0.046	MANGANESE (MN) DIS	06/21/2011-03/04/2013	7	0.052	0.0766	0.124	1.22	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-03/04/2013	7	0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-03/04/2013	7	<0.01		0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-03/04/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
B7-U	05/07/2013	470.0	TOTAL ALKALINITY AS CACO3	06/21/2011-03/04/2013	7	500.0	569.7143	840.0	0.82	LOWEST
		490.0	BICARBONATE (HCO3)	06/21/2011-03/04/2013	7	530.0	636.1429	980.0	0.91	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
B8-KL	05/06/2013	460.0	TOTAL ALKALINITY AS CACO3	08/23/2011-03/05/2013	7	470.0	502.5714	520.0	2.09	LOWEST
		500.0	BICARBONATE (HCO3)	08/23/2011-03/05/2013	7	520.0	563.4286	594.0	2.46	LOWEST
		20.0	CHLORIDE (CL)	08/23/2011-03/05/2013	7	10.0	14.4286	19.0	1.74	HIGHEST
		1.3	FLUORIDE (F)	08/23/2011-03/05/2013	7	0.9	1.1429	1.3	1.12	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/23/2011-03/05/2013	7	0.11	0.1186	0.13	1.66	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B8-KU	05/06/2013	7.4	PH	08/23/2011-03/05/2013	7	7.5	7.6571	8.2	1.03	LOWEST
		3310.0	SC (UMHOS/CM AT 25 C)	08/23/2011-03/05/2013	7	2710.0	3112.8571	3310.0	0.78	HIGHEST
		165.0	MAGNESIUM (MG) DIS	08/23/2011-03/05/2013	7	150.0	156.4286	165.0	1.73	HIGHEST
		540.0	TOTAL ALKALINITY AS CACO3	08/23/2011-03/05/2013	7	580.0	609.0000	650.0	3.29	LOWEST
		660.0	BICARBONATE (HCO3)	08/23/2011-03/05/2013	7	710.0	742.1429	790.0	3.45	LOWEST
		0.3	FLUORIDE (F)	08/23/2011-03/05/2013	7	0.2	0.2286	0.3	1.46	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		0.015	BARIUM (BA) DIS	08/23/2011-03/05/2013	7	0.012	0.0137	0.015	1.16	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.42	BORON (B) DIS	08/23/2011-03/05/2013	7	0.35	0.3786	0.41	2.12	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		1.38	IRON (FE) DIS	08/23/2011-03/05/2013	7	1.11	1.2600	1.34	1.43	HIGHEST

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	08/23/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B8-O	05/06/2013	2480.0	SC (UMHOS/CM AT 25 C)	08/23/2011-03/05/2013	7	2060.0	2274.2857	2450.0	1.56	HIGHEST
		6.0	POTASSIUM (K) DIS	08/23/2011-03/05/2013	7	5.0	5.1429	6.0	2.27	HIGHEST
		390.0	TOTAL ALKALINITY AS CACO3	08/23/2011-03/05/2013	7	410.0	434.0000	460.0	2.74	LOWEST
		450.0	BICARBONATE (HCO3)	08/23/2011-03/05/2013	7	480.0	527.7143	570.0	2.81	LOWEST
		0.8	FLUORIDE (F)	08/23/2011-03/05/2013	7	0.6	0.7286	0.8	0.94	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		0.005	ARSENIC (AS) DIS	08/23/2011-03/05/2013	7	0.006	0.0084	0.011	1.54	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.29	BORON (B) DIS	08/23/2011-03/05/2013	7	0.26	0.2686	0.28	3.11	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B8-U	05/06/2013	43.5	SODIUM ADSORPTION RATIO	08/24/2011-03/05/2013	7	15.4	33.8429	41.5	1.07	HIGHEST
		540.0	TOTAL ALKALINITY AS CACO3	08/24/2011-03/05/2013	7	580.0	597.1429	620.0	3.35	LOWEST
		600.0	BICARBONATE (HCO3)	08/24/2011-03/05/2013	7	630.0	656.8571	700.0	2.47	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-03/05/2013	7	0.003	0.0067	0.018	0.69	LOWEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	08/24/2011-03/05/2013	7	0.12	0.1357	0.15	1.46	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-03/05/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B9-K	05/09/2013	<1.0	MAGNESIUM (MG) DIS	08/23/2011-03/04/2013	7	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-03/04/2013	7	2.0	2.0000	2.0		HIGHEST
		930.0	BICARBONATE (HCO3)	08/23/2011-03/04/2013	7	970.0	1024.2857	1100.0	1.78	LOWEST
		52.0	CARBONATE AS CO3	08/23/2011-03/04/2013	7	29.0	43.4286	52.0	1.13	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		0.106	BARIUM (BA) DIS	08/23/2011-03/04/2013	7	0.087	0.0934	0.099	2.68	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/23/2011-03/04/2013	7	0.12	0.1257	0.13	0.80	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-03/04/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-03/04/2013	7	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
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		<0.001	SELENIUM (SE) DIS	08/23/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
B9-U	05/09/2013	<1.0	MAGNESIUM (MG) DIS	08/24/2011-03/08/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-03/08/2013	7	1.0	1.0000	1.0		HIGHEST
		550.0	BICARBONATE (HCO3)	08/24/2011-03/08/2013	7	570.0	611.4286	640.0	2.80	LOWEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-03/08/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	08/24/2011-03/08/2013	7	0.11	0.1157	0.12	0.80	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-03/08/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-03/08/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-03/08/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-03/08/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-03/08/2013	7	<0.01		<0.01		HIGHEST
B10-KL	05/09/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-03/06/2013	7	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-03/06/2013	7	2.0	2.0000	2.0		HIGHEST
		730.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/06/2013	7	780.0	808.5714	820.0	5.84	LOWEST
		800.0	BICARBONATE (HCO3)	06/22/2011-03/06/2013	7	850.0	902.8571	930.0	4.12	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/06/2013	7	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/06/2013	7	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/06/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/06/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/06/2013	7	<0.01		<0.01		HIGHEST
B10-KU	05/09/2013	3630.0	TDS (MEASURED AT 180 C)	03/10/2011-03/06/2013	8	3660.0	3853.7500	4090.0	1.78	LOWEST
		33.0	CARBONATE AS CO3	03/10/2011-03/06/2013	8	<1.0		15.0		HIGHEST
		0.03	NITRATE + NITRITE AS N	03/10/2011-03/06/2013	8	<0.01		<0.02		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-03/06/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/06/2013	8	NA		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-03/06/2013	8	<0.00008		<0.00008		HIGHEST
		0.008	CHROMIUM (CR) DIS	03/10/2011-03/06/2013	8	<0.001		<0.001		HIGHEST
		0.47	IRON (FE) DIS	03/10/2011-03/06/2013	8	0.49	0.8513	2.79	0.49	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-03/06/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-03/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-03/06/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-03/06/2013	8	<0.1		<0.1		HIGHEST
B10-O	05/09/2013	300.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/06/2013	7	330.0	342.8571	360.0	3.85	LOWEST
		370.0	BICARBONATE (HCO3)	06/22/2011-03/06/2013	7	400.0	420.0000	440.0	3.27	LOWEST
		1300.0	SULFATE (SO4)	06/22/2011-03/06/2013	7	1200.0	1200.0000	1200.0		HIGHEST
		15.0	CHLORIDE (CL)	06/22/2011-03/06/2013	7	10.0	12.5714	15.0	1.17	HIGHEST
		<0.2	FLUORIDE (F)	06/22/2011-03/06/2013	7	0.2	0.2286	0.3	0.59	LOWEST
		0.8	NITRATE + NITRITE AS N	06/22/2011-03/06/2013	7	<0.1	0.3543	0.8	1.52	HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/06/2013	7	<0.1		<0.1		HIGHEST
B10-U	05/09/2013	8.2	PH	03/10/2011-03/06/2013	8	8.3	8.4500	8.6	1.91	LOWEST
		<1.0	MAGNESIUM (MG) DIS	03/10/2011-03/06/2013	8	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	03/10/2011-03/06/2013	8	2.0	2.0000	2.0		HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	03/10/2011-03/06/2013	8	670	697.5000	730.0	3.54	LOWEST
		2.4	FLUORIDE (F)	03/10/2011-03/06/2013	8	2.0	2.1125	2.4	1.75	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-03/06/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-03/06/2013	8	<0.003		<0.003		HIGHEST
		0.134	BARIUM (BA) DIS	03/10/2011-03/06/2013	8	0.11	0.1224	0.131	1.73	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/06/2013	8	NA		<0.001		HIGHEST
		0.16	BORON (B) DIS	03/10/2011-03/06/2013	8	0.15	0.1525	0.16	1.62	HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-03/06/2013	8	<0.00008		<0.00008		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	CHROMIUM (CR) DIS	03/10/2011-03/06/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	03/10/2011-03/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-03/06/2013	8	NA		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-03/06/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-03/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-03/06/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-03/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	03/10/2011-03/06/2013	8	<0.01		<0.01		HIGHEST
B11-K	05/07/2013	52.2	SODIUM ADSORPTION RATIO	06/22/2011-03/05/2013	7	21.6	46.3143	51.7	0.54	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-03/05/2013	7	<1.0		<1.0		HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/05/2013	7	580.0	618.5714	640.0	2.67	LOWEST
		630.0	BICARBONATE (HCO3)	06/22/2011-03/05/2013	7	670.0	700.0000	720.0	3.24	LOWEST
		9.0	CHLORIDE (CL)	06/22/2011-03/05/2013	7	7.0	7.5714	9.0	1.82	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/22/2011-03/05/2013	7	0.12	0.1300	0.14	1.73	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
B11-O	05/07/2013	41.0	MAGNESIUM (MG) DIS	06/23/2011-03/05/2013	7	33.0	38.0000	41.0	0.93	HIGHEST
		12.0	POTASSIUM (K) DIS	06/23/2011-03/05/2013	7	10.0	11.2857	12.0	0.94	HIGHEST
		1.02	NITRATE + NITRITE AS N	06/23/2011-03/05/2013	7	<0.01	0.2071	0.61	3.09	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.155	MANGANESE (MN) DIS	06/23/2011-03/05/2013	7	0.165	0.2251	0.320	1.45	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
B11-U	05/07/2013	38.6	SODIUM ADSORPTION RATIO	06/24/2011-03/05/2013	7	34.1	36.8857	38.0	1.34	HIGHEST
		2.0	CALCIUM (CA) DIS	06/24/2011-03/05/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-03/05/2013	7	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-03/05/2013	7	1.0	1.0000	1.0		HIGHEST
		540.0	BICARBONATE (HCO3)	06/24/2011-03/05/2013	7	550.0	597.1429	670.0	1.48	LOWEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		0.064	BARIUM (BA) DIS	06/24/2011-03/05/2013	7	0.056	0.0591	0.063	2.08	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	06/24/2011-03/05/2013	7	0.1	0.1100	0.12	1.73	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-03/05/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
C-2	05/15/2013	79.0	CALCIUM (CA) DIS	06/29/2011-03/04/2013	7	68.0	72.4286	79.0	1.83	HIGHEST
		590.0	TOTAL ALKALINITY AS CACO3	06/29/2011-03/04/2013	7	620.0	652.8571	670.0	3.18	LOWEST
		700.0	BICARBONATE (HCO3)	06/29/2011-03/04/2013	7	760.0	791.4286	810.0	4.68	LOWEST
		0.5	FLUORIDE (F)	06/29/2011-03/04/2013	7	1.0	1.1429	1.3	6.59	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-03/04/2013	7	<0.1		<0.1		HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.053	BARIUM (BA) DIS	06/29/2011-03/04/2013	7	0.055	0.0577	0.064	1.58	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	06/29/2011-03/04/2013	7	0.002	0.0026	0.003	0.80	HIGHEST
		0.05	IRON (FE) DIS	06/29/2011-03/04/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
C-3	05/15/2013	124.0	CALCIUM (CA) DIS	06/22/2011-03/04/2013	7	100.0	110.4286	118.0	2.40	HIGHEST
		25.0	POTASSIUM (K) DIS	06/22/2011-03/04/2013	7	21.0	22.4286	24.0	2.63	HIGHEST
		570.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	600.0	621.4286	640.0	4.23	LOWEST
		660.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	690.0	748.5714	770.0	3.24	LOWEST
		0.9	FLUORIDE (F)	06/22/2011-03/04/2013	7	0.7	0.7714	0.8	2.63	HIGHEST
		0.07	NITRATE + NITRITE AS N	06/22/2011-03/04/2013	7	0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		0.014	BARIUM (BA) DIS	06/22/2011-03/04/2013	7	0.015	0.0153	0.016	2.63	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/04/2013	7	0.001	0.0014	0.002	0.80	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
C-4	05/14/2013	21.0	POTASSIUM (K) DIS	06/22/2011-03/05/2013	7	19.0	19.8571	21.0	1.66	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/05/2013	7	680.0	697.1429	720.0	4.86	LOWEST
		750.0	BICARBONATE (HCO3)	06/22/2011-03/05/2013	7	760.0	832.8571	860.0	2.47	LOWEST
		1900.0	SULFATE (SO4)	06/22/2011-03/05/2013	7	1600.0	1728.5714	1900.0	1.37	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.39	BORON (B) DIS	06/22/2011-03/05/2013	7	0.32	0.3429	0.36	3.42	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
FORTUNE	05/16/2013	405.0	CALCIUM (CA) DIS	10/27/2010-03/05/2013	7	263.0	339.7143	388.0	1.72	HIGHEST
		740.0	MAGNESIUM (MG) DIS	10/27/2010-03/05/2013	7	451.0	659.5714	735.0	0.84	HIGHEST
		720.0	TOTAL ALKALINITY AS CACO3	10/27/2010-03/05/2013	7	760.0	810.0000	860.0	2.80	LOWEST
		6000.0	SULFATE (SO4)	10/27/2010-03/05/2013	7	5400.0	5765.7143	6000.0	1.04	HIGHEST
		<0.1	ALUMINUM (AL) DIS	10/27/2010-03/05/2013	7	<0.030		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/27/2010-03/05/2013	7	<0.030		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/27/2010-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/27/2010-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-03/05/2013	7	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-03/05/2013	7	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/27/2010-03/05/2013	7	<0.00008		<0.00008		HIGHEST

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) TRC	10/27/2010-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/27/2010-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/27/2010-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	10/27/2010-03/05/2013	7	<0.05		<0.05		HIGHEST
		<0.05	IRON (FE) TRC	10/27/2010-03/05/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	10/27/2010-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/27/2010-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	10/27/2010-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.005	MANGANESE (MN) TRC	10/27/2010-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/27/2010-03/05/2013	7	0.0033		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-03/05/2013	7	0.0036		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/27/2010-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-03/05/2013	7	<0.01		<0.01		HIGHEST
		0.036	SELENIUM (SE) DIS	10/27/2010-03/05/2013	7	0.0021	0.0153	0.034	1.96	HIGHEST
		0.034	SELENIUM (SE) TRC	10/27/2010-03/05/2013	7	0.0015	0.0139	0.029	2.14	HIGHEST
		<0.1	VANADIUM (V) DIS	10/27/2010-03/05/2013	7	<0.0001		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-03/05/2013	7	0.00042		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/27/2010-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/27/2010-03/05/2013	7	<0.01		<0.01		HIGHEST
K-1	05/14/2013	2.0	MAGNESIUM (MG) DIS	06/22/2011-02/25/2013	7	2.0	2.0000	2.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-02/25/2013	7	2.0	2.0000	2.0		HIGHEST
		750.0	TOTAL ALKALINITY AS CACO3	06/22/2011-02/25/2013	7	810.0	828.5714	860.0	4.99	LOWEST
		820.0	BICARBONATE (HCO3)	06/22/2011-02/25/2013	7	880.0	921.4286	950.0	4.47	LOWEST
		12.0	CHLORIDE (CL)	06/22/2011-02/25/2013	7	8.0	9.5714	12.0	1.91	HIGHEST
		1.4	FLUORIDE (F)	06/22/2011-02/25/2013	7	1.2	1.3143	1.4	1.24	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-02/25/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		0.1	BORON (B) DIS	06/22/2011-02/25/2013	7	0.09	0.0929	0.1	1.46	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-02/25/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-02/25/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-02/25/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-02/25/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-02/25/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-02/25/2013	7	<0.01		<0.01		HIGHEST
K-2	05/14/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-03/04/2013	7	<1.0		<1.0		HIGHEST
		272.0	SODIUM (NA) DIS	06/22/2011-03/04/2013	7	273.0	277.7143	284	1.27	LOWEST
		560.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	594.0	613.4286	650.0	2.81	LOWEST
		600.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	650.0	672.8571	710.0	3.69	LOWEST
		14.0	SULFATE (SO4)	06/22/2011-03/04/2013	7	8.0	11.2857	14.0	1.15	HIGHEST
		10.0	CHLORIDE (CL)	06/22/2011-03/04/2013	7	7.0	7.7143	9.0	3.02	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	8	<0.001		<0.001		HIGHEST
		0.11	BORON (B) DIS	06/22/2011-03/04/2013	7	0.09	0.0971	0.1	2.63	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-03/04/2013	7	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
K-3	05/14/2013	550.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	580.0	607.8571	640.0	2.73	LOWEST
		670.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	710.0	739.7143	770.0	2.77	LOWEST
		14.0	CHLORIDE (CL)	06/22/2011-03/04/2013	7	10.0	12.0000	14.0	1.41	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		0.086	MANGANESE (MN) DIS	06/22/2011-03/04/2013	7	0.087	0.1503	0.336	0.67	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
K-4	05/14/2013	44.5	SODIUM ADSORPTION RATIO	06/22/2011-03/04/2013	7	32.2	40.3000	44.0	1.07	HIGHEST
		2.0	CALCIUM (CA) DIS	06/22/2011-03/04/2013	7	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-03/04/2013	7	<1.0		<1.0		HIGHEST
		268.0	SODIUM (NA) DIS	06/22/2011-03/04/2013	7	244.0	254.2857	261	2.09	HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-03/04/2013	7	1.0	1.0000	1.0		HIGHEST
		400.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	420.0	441.4286	460.0	3.08	LOWEST
		430.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	460.0	486.0000	510.0	3.04	LOWEST
		9.0	CHLORIDE (CL)	06/22/2011-03/04/2013	7	7.0	7.8571	9.0	1.27	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	06/22/2011-03/04/2013	7	0.1	0.1114	0.12	2.69	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-03/04/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
K-5	05/14/2013	3.0	CALCIUM (CA) DIS	06/22/2011-03/05/2013	7	2.0	2.2857	3.0	1.46	HIGHEST
		1.0	MAGNESIUM (MG) DIS	06/22/2011-03/05/2013	7	<1.0	1.0000	1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-03/05/2013	7	2.0	2.0000	2.0		HIGHEST
		750.0	BICARBONATE (HCO3)	06/22/2011-03/05/2013	7	780.0	832.8571	860.0	2.89	LOWEST
		11.0	CHLORIDE (CL)	06/22/2011-03/05/2013	7	8.0	8.7143	11.0	2.05	HIGHEST
		1.5	FLUORIDE (F)	06/22/2011-03/05/2013	7	1.3	1.3714	1.4	2.63	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/05/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.2	BORON (B) DIS	06/22/2011-03/05/2013	7	0.16	0.1643	0.18	4.54	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/05/2013	7	<0.0005		<0.0005		HIGHEST
		0.02	MANGANESE (MN) DIS	06/22/2011-03/05/2013	7	0.026	0.0417	0.11	0.72	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/05/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/05/2013	7	<0.01		<0.01		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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K-6	05/14/2013	605.0	SODIUM (NA) DIS	06/22/2011-03/04/2013	7	616	663.4286	721.0	1.64	LOWEST
		830.0	TOTAL ALKALINITY AS CACO3	06/22/2011-03/04/2013	7	880.0	927.7143	960.0	3.36	LOWEST
		970.0	BICARBONATE (HCO3)	06/22/2011-03/04/2013	7	990.0	1120.0000	1200.0	2.06	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-03/04/2013	7	<0.01		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-03/04/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		0.24	BORON (B) DIS	06/22/2011-03/04/2013	7	0.2	0.2143	0.23	2.63	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-03/04/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-03/04/2013	7	0.001		<0.001		HIGHEST
		0.94	IRON (FE) DIS	06/22/2011-03/04/2013	7	0.53	0.7029	0.89	1.71	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-03/04/2013	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-03/04/2013	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-03/04/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-03/04/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-03/04/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-03/04/2013	7	<0.01		<0.01		HIGHEST
P1	05/15/2013	8910.0	SC (UMHOS/CM AT 25 C)	10/27/2010-03/05/2013	6	1240	4168.3333	7420.0	2.14	HIGHEST
		7890.0	TDS (MEASURED AT 180 C)	10/27/2010-03/05/2013	6	870	3236.6667	5170.0	2.79	HIGHEST
		337.0	CALCIUM (CA) DIS	06/24/2011-03/05/2013	5	61.0	105.0000	172.0	4.84	HIGHEST
		360.0	CALCIUM (CA) TRC	10/27/2010-03/05/2013	6	22.0	95.6667	188	4.43	HIGHEST
		335.0	MAGNESIUM (MG) DIS	06/24/2011-03/05/2013	5	56.0	145.4000	211.0	2.76	HIGHEST
		335.0	MAGNESIUM (MG) TRC	10/27/2010-03/05/2013	6	18.0	126.6667	229	2.50	HIGHEST
		1590.0	SODIUM (NA) DIS	06/24/2011-03/05/2013	5	417.0	921.4000	1450	1.58	HIGHEST
		1570.0	SODIUM (NA) TRC	10/27/2010-03/05/2013	6	266.0	813.8333	1390	1.71	HIGHEST
		56.0	POTASSIUM (K) DIS	06/24/2011-03/05/2013	5	11.0	23.4000	44.0	2.54	HIGHEST
		55.0	POTASSIUM (K) TRC	10/27/2010-03/05/2013	6	10.0	21.5000	45	2.57	HIGHEST
		210.0	TOTAL ALKALINITY AS CACO3	10/27/2010-03/05/2013	6	270.0	386.6667	480.0	1.93	LOWEST
		250.0	BICARBONATE (HCO3)	10/27/2010-03/05/2013	6	330.0	448.5000	590.0	1.84	LOWEST
		5500.0	SULFATE (SO4)	10/27/2010-03/05/2013	6	261	2073.5000	4000.0	2.38	HIGHEST
		24.0	CHLORIDE (CL)	10/27/2010-03/05/2013	6	4.5	7.9167	<10.0	6.44	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-03/05/2013	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-03/05/2013	6	NR		<0.001		HIGHEST
		0.07	BORON (B) TRC	10/27/2010-03/05/2013	6	0.03	0.0430	0.07	1.78	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-03/05/2013	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-03/05/2013	5	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-03/05/2013	5	<0.0005		<0.0005		HIGHEST
		0.92	MANGANESE (MN) DIS	06/24/2011-03/05/2013	5	0.317	0.3980	0.542	5.66	HIGHEST
		1.54	MANGANESE (MN) TRC	10/27/2010-03/05/2013	6	0.234	0.4860	1.02	3.66	HIGHEST
		0.02	NICKEL (NI) DIS	06/24/2011-03/05/2013	5	<0.01		0.02		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-03/05/2013	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-03/05/2013	6	0.0058		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-03/05/2013	5	<0.01		<0.01		HIGHEST
P5	05/15/2013	10.5	PH	10/27/2010-03/07/2013	8	7.2	8.7125	9.9	2.01	HIGHEST
		23.4	SODIUM ADSORPTION RATIO	10/27/2010-03/07/2013	8	6.75	14.6488	20.8	1.50	HIGHEST
		8170.0	SC (UMHOS/CM AT 25 C)	10/27/2010-03/07/2013	8	1970.0	5471.2500	7860.0	1.22	HIGHEST
		6570.0	TDS (MEASURED AT 180 C)	10/27/2010-03/07/2013	8	1520.0	4543.7500	6520.0	1.09	HIGHEST
		38.0	TURBIDITY (NTU)	06/24/2011-03/07/2013	7	0.9	15.9143	36.4	1.43	HIGHEST
		1760.0	SODIUM (NA) DIS	06/24/2011-03/07/2013	7	293.0	1018.2857	1590	1.39	HIGHEST
		1810.0	SODIUM (NA) TRC	10/27/2010-03/07/2013	7	300	1044.7143	1580	1.41	HIGHEST
		110.0	TOTAL ALKALINITY AS CACO3	10/27/2010-03/07/2013	8	120.0	206.0000	330.0	1.24	LOWEST
		28.0	BICARBONATE (HCO3)	10/27/2010-03/07/2013	8	42.0	190.7500	340.0	1.45	LOWEST
		4500.0	SULFATE (SO4)	10/27/2010-03/07/2013	8	850.0	3106.2500	4500	0.94	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-03/07/2013	7	NR		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/24/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		0.0001	CADMIUM (CD) TRC	10/27/2010-03/07/2013	7	<0.00008		0.0001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	06/24/2011-03/07/2013	7	0.006	0.0586	0.175	0.70	LOWEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-03/07/2013	7	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/27/2010-03/07/2013	7	0.00000535		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-03/07/2013	7	0.0043		<0.1		HIGHEST
P6	05/16/2013	96.0	TOTAL SUSPENDED SOLIDS	06/24/2011-03/07/2013	7	<4.0	15.1429	40.0	6.71	HIGHEST
		50.6	TURBIDITY (NTU)	06/24/2011-03/07/2013	7	0.9	5.7429	15.8	7.37	HIGHEST
		406.0	SODIUM (NA) TRC	06/24/2011-03/07/2013	6	368	380.8333	395	2.46	HIGHEST
		0.6	FLUORIDE (F)	06/24/2011-03/07/2013	7	0.5	0.5571	0.6	0.80	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		2.2	ALUMINUM (AL) TRC	06/24/2011-03/07/2013	6	<0.1		1.0		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/24/2011-03/07/2013	6	<0.003		<0.003		HIGHEST
		0.025	BARIUM (BA) DIS	06/24/2011-03/07/2013	7	0.007	0.0131	0.022	1.82	HIGHEST
		0.044	BARIUM (BA) TRC	06/24/2011-03/07/2013	6	0.008	0.0150	0.025	3.83	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-12/06/2012	6	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-03/07/2013	6	NR		<0.001		HIGHEST
		0.52	BORON (B) TRC	06/24/2011-03/07/2013	6	0.39	0.4333	0.47	2.76	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		0.003	CHROMIUM (CR) TRC	06/24/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		0.003	COPPER (CU) TRC	06/24/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-03/07/2013	7	<0.05		0.05		HIGHEST
		2.86	IRON (FE) TRC	06/24/2011-03/07/2013	6	0.05	0.2683	0.95	7.55	HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		0.0019	LEAD (PB) TRC	06/24/2011-03/07/2013	6	<0.0005		0.0007		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-03/07/2013	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/24/2011-03/07/2013	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/24/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/24/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/24/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		0.01	ZINC (ZN) TRC	06/24/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
SW-1	04/25/2013	5.0	MAGNESIUM (MG) TRC	06/14/2011-03/23/2012	2	<1.0	3.0000	5.0	0.71	HIGHEST
		2.0	SODIUM (NA) TRC	06/14/2011-03/23/2012	2	<1.0	1.5000	2.0	0.71	HIGHEST
		0.6	FLUORIDE (F)	06/14/2011-03/23/2012	2	1.3	3.1500	5.0	0.97	LOWEST
		0.2	ALUMINUM (AL) DIS	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		0.4	ALUMINUM (AL) TRC	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-03/23/2012	2	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-03/23/2012	2	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-03/23/2012	2	<0.001	0.0010	0.001		HIGHEST
		0.001	CHROMIUM (CR) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		0.006	COPPER (CU) TRC	06/14/2011-03/23/2012	2	<0.001	0.0035	0.006	0.71	HIGHEST
		0.35	IRON (FE) DIS	06/14/2011-03/23/2012	2	0.05	0.1500	0.25	1.41	HIGHEST
		0.7	IRON (FE) TRC	06/14/2011-03/23/2012	2	<0.05	0.1450	0.24	4.13	HIGHEST
		0.0008	LEAD (PB) TRC	06/14/2011-03/23/2012	2	<0.0005	0.0005	0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/23/2012	2	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-03/23/2012	2	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/14/2011-03/23/2012	2	<0.01		<0.01		HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		0.11	ZINC (ZN) DIS	06/14/2011-03/23/2012	2	0.12	0.1900	0.26	0.81	LOWEST
		0.26	ZINC (ZN) TRC	06/14/2011-03/23/2012	2	0.12	0.1250	0.13	> 10	HIGHEST
SW-1	06/13/2013	7.4	PH	06/14/2011-03/23/2012	2	5.4	6.2000	7.0	1.06	HIGHEST
		50.0	CALCIUM (CA) TRC	06/14/2011-03/23/2012	2	2	8.5000	15.0	4.51	HIGHEST
		25.0	MAGNESIUM (MG) TRC	06/14/2011-03/23/2012	2	<1.0	3.0000	5.0	7.78	HIGHEST
		8.0	SODIUM (NA) TRC	06/14/2011-03/23/2012	2	<1.0	1.5000	2.0	9.19	HIGHEST
		<0.1	FLUORIDE (F)	06/14/2011-03/23/2012	2	1.3	3.1500	5.0	1.17	LOWEST
		0.19	NITRATE + NITRITE AS N	06/14/2011-03/23/2012	2	0.04	0.0800	0.12	1.94	HIGHEST
		0.3	ALUMINUM (AL) DIS	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		43.2	ALUMINUM (AL) TRC	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-03/23/2012	2	<0.003		<0.003		HIGHEST
		0.029	ARSENIC (AS) TRC	06/14/2011-03/23/2012	2	<0.003		<0.003		HIGHEST
		0.632	BARIUM (BA) TRC	06/14/2011-03/23/2012	2	0.011	0.0450	0.079	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		0.002	BERYLLIUM (BE) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		0.1	BORON (B) TRC	06/14/2011-03/23/2012	2	0.01	0.0500	0.09	0.88	HIGHEST
		0.001	CADMIUM (CD) TRC	06/14/2011-03/23/2012	2	0.00009	0.0001	0.00015	> 10	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-03/23/2012	2	<0.001	0.0010	0.001		HIGHEST
		0.073	CHROMIUM (CR) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		0.07	COPPER (CU) TRC	06/14/2011-03/23/2012	2	<0.001	0.0035	0.006	> 10	HIGHEST
		0.29	IRON (FE) DIS	06/14/2011-03/23/2012	2	0.05	0.1500	0.25	0.99	HIGHEST
		62.8	IRON (FE) TRC	06/14/2011-03/23/2012	2	<0.05	0.1450	0.24	> 10	HIGHEST
		0.0448	LEAD (PB) TRC	06/14/2011-03/23/2012	2	<0.0005	0.0005	0.0005		HIGHEST
		1.48	MANGANESE (MN) TRC	06/14/2011-03/23/2012	2	0.019	0.0720	0.125	> 10	HIGHEST
		0.00017	MERCURY (HG) TOT	06/14/2011-03/23/2012	2	<0.00005		<0.0001		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/23/2012	2	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-03/23/2012	2	<0.01		<0.01		HIGHEST
		0.07	NICKEL (NI) TRC	06/14/2011-03/23/2012	2	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		0.001	SELENIUM (SE) TRC	06/14/2011-03/23/2012	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		0.1	VANADIUM (V) TRC	06/14/2011-03/23/2012	2	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/14/2011-03/23/2012	2	0.12	0.1900	0.26	1.82	LOWEST
		0.33	ZINC (ZN) TRC	06/14/2011-03/23/2012	2	0.12	0.1250	0.13	> 10	HIGHEST
SW-1A	06/13/2013	5380.0	SC (UMHOS/CM AT 25 C)	10/26/2011-03/07/2013	6	3580.0	4135.0000	5240.0	2.16	HIGHEST
		4280.0	TDS (MEASURED AT 180 C)	10/26/2011-03/07/2013	6	2540.0	3208.3333	3910.0	2.14	HIGHEST
		136.0	CALCIUM (CA) DIS	10/26/2011-03/07/2013	6	84.0	102.8333	131.0	2.05	HIGHEST
		139.0	CALCIUM (CA) TRC	10/26/2011-03/07/2013	6	95	105.1667	128.0	2.80	HIGHEST
		323.0	MAGNESIUM (MG) DIS	10/26/2011-03/07/2013	6	196.0	235.6667	285.0	2.63	HIGHEST
		312.0	MAGNESIUM (MG) TRC	10/26/2011-03/07/2013	6	209	245.6667	295	2.09	HIGHEST
		2800.0	SULFATE (SO4)	10/26/2011-03/07/2013	6	1300.0	1683.3333	2400.0	2.74	HIGHEST
		0.1	BARIUM (BA) DIS	10/26/2011-03/07/2013	6	0.021	0.0307	0.056	5.26	HIGHEST
		0.104	BARIUM (BA) TRC	10/26/2011-03/07/2013	6	0.024	0.0327	0.057	5.69	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/26/2011-12/06/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/26/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		1.0	BORON (B) DIS	10/26/2011-03/07/2013	6	0.52	0.6617	0.79	3.51	HIGHEST
		1.02	BORON (B) TRC	10/26/2011-03/07/2013	6	0.62	0.6950	0.78	4.88	HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/26/2011-03/07/2013	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/26/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/26/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	10/26/2011-03/07/2013	6	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/26/2011-03/07/2013	6	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	10/26/2011-03/07/2013	6	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/26/2011-03/07/2013	6	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/26/2011-03/07/2013	6	<0.01		<0.01		HIGHEST

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		<0.01	NICKEL (NI) TRC	10/26/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	10/26/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/26/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/26/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/26/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
SW-2	06/13/2013	104.0	TOTAL SUSPENDED SOLIDS	06/15/2011-03/07/2013	7	6	41.7143	92.0	1.86	HIGHEST
		63.7	TURBIDITY (NTU)	06/15/2011-03/07/2013	7	3.6	20.7714	50.0	2.14	HIGHEST
		101.0	CALCIUM (CA) TRC	06/15/2011-03/07/2013	6	114	131.3333	145	2.94	LOWEST
		520.0	BICARBONATE (HCO3)	06/15/2011-03/07/2013	7	530.0	617.1429	700.0	1.54	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		1.9	ALUMINUM (AL) TRC	06/15/2011-03/07/2013	6	0.1	0.4500	1.1	3.68	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-03/07/2013	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		0.47	BORON (B) TRC	06/15/2011-03/07/2013	6	0.25	0.3283	0.4	2.32	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-03/07/2013	6	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) TRC	06/15/2011-03/07/2013	6	<0.001		0.002		HIGHEST
		0.003	COPPER (CU) TRC	06/15/2011-03/07/2013	6	<0.001	0.0013	0.002	3.23	HIGHEST
		2.19	IRON (FE) TRC	06/15/2011-03/07/2013	6	0.22	0.7133	1.74	2.46	HIGHEST
		0.0018	LEAD (PB) TRC	06/15/2011-03/07/2013	6	<0.0005		0.0015		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-03/07/2013	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-03/07/2013	7	<0.001	0.0010	0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-03/07/2013	6	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		0.01	ZINC (ZN) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
SW-3	04/25/2013	6.4	PH	03/14/2012-08/28/2012	2	7.1	7.1500	7.2	> 10	LOWEST
		0.28	SODIUM ADSORPTION RATIO	03/14/2012-08/28/2012	2	0.29	1.1900	2.09	0.71	LOWEST
		92.0	CALCIUM (CA) TRC	03/14/2012-08/28/2012	2	58	59.0000	60.0	> 10	HIGHEST
		8.0	SODIUM (NA) DIS	03/14/2012-08/28/2012	2	9	49.5000	90.0	0.72	LOWEST
		20.0	POTASSIUM (K) DIS	03/14/2012-08/28/2012	2	15.0	16.0000	17.0	2.83	HIGHEST
		31.0	POTASSIUM (K) TRC	03/14/2012-08/28/2012	2	18.0	19.0000	20	8.49	HIGHEST
		140.0	TOTAL ALKALINITY AS CACO3	03/14/2012-08/28/2012	2	160.0	175.0000	190.0	1.65	LOWEST
		180.0	BICARBONATE (HCO3)	03/14/2012-08/28/2012	2	200.0	215.0000	230.0	1.65	LOWEST
		<1.0	CARBONATE AS CO3	03/14/2012-08/28/2012	2	<1.0		<1.0		HIGHEST
		<0.1	FLUORIDE (F)	03/14/2012-08/28/2012	2	0.1	0.1000	0.1		HIGHEST
		0.05	NITRATE + NITRITE AS N	03/14/2012-08/28/2012	2	<0.02	0.0200	0.02		HIGHEST
		0.019	ARSENIC (AS) TRC	03/14/2012-08/28/2012	2	<0.003	0.0095	0.016	1.03	HIGHEST
		0.3	BARIUM (BA) TRC	03/14/2012-08/28/2012	2	0.002	0.0370	0.072	5.31	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		0.17	BORON (B) DIS	03/14/2012-08/28/2012	2	0.05	0.0750	0.1	2.69	HIGHEST
		0.19	BORON (B) TRC	03/14/2012-08/28/2012	2	0.1	0.1000	0.1		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/14/2012-08/28/2012	2	<0.00008	0.0001	0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		0.004	COPPER (CU) DIS	03/14/2012-08/28/2012	2	<0.001	0.0025	0.004	0.71	HIGHEST
		6.37	IRON (FE) DIS	03/14/2012-08/28/2012	2	0.54	2.5200	4.5	1.37	HIGHEST
		0.00007	MERCURY (HG) TOT	03/14/2012-08/28/2012	2	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/14/2012-08/28/2012	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	03/14/2012-08/28/2012	2	<0.005		<0.005		HIGHEST
		0.01	NICKEL (NI) DIS	03/14/2012-08/28/2012	2	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		<0.002	SELENIUM (SE) TRC	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/14/2012-08/28/2012	2	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	03/14/2012-08/28/2012	2	<0.1		<0.1		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.08	ZINC (ZN) DIS	03/14/2012-08/28/2012	2	<0.01	0.0400	0.07	0.94	HIGHEST
SW-3	06/13/2013	7.0	PH	03/14/2012-08/28/2012	2	7.1	7.1500	7.2	2.12	LOWEST
		281.0	SC (UMHOS/CM AT 25 C)	03/14/2012-08/28/2012	2	291.0	680.5000	1070.0	0.73	LOWEST
		2960.0	TOTAL SUSPENDED SOLIDS	03/14/2012-08/28/2012	2	128.0	152.0000	176.0	> 10	HIGHEST
		1790.0	TURBIDITY (NTU)	03/14/2012-08/28/2012	2	9.0	34.5500	60.1	> 10	HIGHEST
		24.0	CALCIUM (CA) DIS	03/14/2012-08/28/2012	2	26.0	42.0000	58.0	0.80	LOWEST
		10.0	POTASSIUM (K) DIS	03/14/2012-08/28/2012	2	15.0	16.0000	17.0	4.24	LOWEST
		20.0	POTASSIUM (K) TRC	03/14/2012-08/28/2012	2	18.0	19.0000	20	0.71	HIGHEST
		120.0	TOTAL ALKALINITY AS CACO3	03/14/2012-08/28/2012	2	160.0	175.0000	190.0	2.59	LOWEST
		150.0	BICARBONATE (HCO3)	03/14/2012-08/28/2012	2	200.0	215.0000	230.0	3.06	LOWEST
		<1.0	CARBONATE AS CO3	03/14/2012-08/28/2012	2	<1.0		<1.0		HIGHEST
		0.1	FLUORIDE (F)	03/14/2012-08/28/2012	2	0.1	0.1000	0.1		HIGHEST
		0.07	NITRATE + NITRITE AS N	03/14/2012-08/28/2012	2	<0.02	0.0200	0.02		HIGHEST
		37.1	ALUMINUM (AL) TRC	03/14/2012-08/28/2012	2	1.4	17.2000	33.0	0.89	HIGHEST
		0.023	ARSENIC (AS) TRC	03/14/2012-08/28/2012	2	<0.003	0.0095	0.016	1.47	HIGHEST
		0.576	BARIUM (BA) TRC	03/14/2012-08/28/2012	2	0.002	0.0370	0.072	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		0.002	BERYLLIUM (BE) TRC	03/14/2012-08/28/2012	2	<0.001	0.0015	0.002	0.71	HIGHEST
		0.11	BORON (B) DIS	03/14/2012-08/28/2012	2	0.05	0.0750	0.1	0.99	HIGHEST
		0.21	BORON (B) TRC	03/14/2012-08/28/2012	2	0.1	0.1000	0.1		HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/14/2012-08/28/2012	2	<0.00008	0.0001	0.00008		HIGHEST
		0.0011	CADMIUM (CD) TRC	03/14/2012-08/28/2012	2	<0.00008	0.0004	0.0007	1.62	HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		0.068	CHROMIUM (CR) TRC	03/14/2012-08/28/2012	2	0.002	0.0255	0.049	1.28	HIGHEST
		0.07	COPPER (CU) TRC	03/14/2012-08/28/2012	2	0.005	0.0275	0.05	1.34	HIGHEST
		4.66	IRON (FE) DIS	03/14/2012-08/28/2012	2	0.54	2.5200	4.5	0.76	HIGHEST
		61.0	IRON (FE) TRC	03/14/2012-08/28/2012	2	1.91	21.8050	41.7	1.39	HIGHEST
		0.045	LEAD (PB) TRC	03/14/2012-08/28/2012	2	<0.0005	0.0154	0.0303	1.40	HIGHEST
		<0.00005	MERCURY (HG) TOT	03/14/2012-08/28/2012	2	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/14/2012-08/28/2012	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	03/14/2012-08/28/2012	2	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/14/2012-08/28/2012	2	<0.01		<0.01		HIGHEST
		0.07	NICKEL (NI) TRC	03/14/2012-08/28/2012	2	<0.01	0.0300	0.05	1.41	HIGHEST
		<0.001	SELENIUM (SE) DIS	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		0.002	SELENIUM (SE) TRC	03/14/2012-08/28/2012	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/14/2012-08/28/2012	2	<0.1		<0.1		HIGHEST
		0.1	VANADIUM (V) TRC	03/14/2012-08/28/2012	2	<0.1		<0.1		HIGHEST
		0.42	ZINC (ZN) TRC	03/14/2012-08/28/2012	2	0.09	0.1650	0.24	2.40	HIGHEST
SW-4	04/25/2013	0.12	SODIUM ADSORPTION RATIO	06/14/2011-08/28/2012	5	0.2	0.4960	0.74	1.78	LOWEST
		154.0	TDS (MEASURED AT 180 C)	10/21/2011-08/28/2012	4	190.0	329.0000	608.0	0.90	LOWEST
		3.0	SODIUM (NA) DIS	06/14/2011-08/28/2012	5	4	13.4000	21.0	1.46	LOWEST
		2.26	NITRATE + NITRITE AS N	06/14/2011-08/28/2012	5	<0.02	0.2720	0.73	6.73	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.02	BORON (B) DIS	06/14/2011-08/28/2012	5	0.03	0.0360	0.04	2.92	LOWEST
		0.02	BORON (B) TRC	06/14/2011-08/28/2012	5	0.03	0.0380	0.06	1.38	LOWEST
		<0.001	CHROMIUM (CR) TRC	06/14/2011-08/28/2012	5	0.001	0.0192	0.04	1.04	LOWEST
		0.0005	LEAD (PB) TRC	06/14/2011-08/28/2012	5	0.0009	0.0105	0.0238	0.98	LOWEST
		0.016	MANGANESE (MN) TRC	06/14/2011-08/28/2012	5	0.03	0.6692	2.1	0.77	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) TRC	06/14/2011-08/28/2012	5	0.01	0.1220	0.23	1.15	LOWEST
SW-4	06/14/2013	152.0	TDS (MEASURED AT 180 C)	10/21/2011-08/28/2012	4	190.0	329.0000	608.0	0.91	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		99.0	CALCIUM (CA) TRC	06/14/2011-08/28/2012	5	23	42.6000	62	4.04	HIGHEST
		40.0	MAGNESIUM (MG) TRC	06/14/2011-08/28/2012	5	4	14.8000	19	4.02	HIGHEST
		29.0	SODIUM (NA) TRC	06/14/2011-08/28/2012	5	3	12.4000	22	2.17	HIGHEST
		<1.0	CHLORIDE (CL)	06/14/2011-08/28/2012	5	2.0	5.6000	10.0	1.37	LOWEST
		1.84	NITRATE + NITRITE AS N	06/14/2011-08/28/2012	5	<0.02	0.2720	0.73	5.31	HIGHEST
		51.7	ALUMINUM (AL) TRC	06/14/2011-08/28/2012	5	0.3	8.9400	20.8	4.80	HIGHEST
		0.025	ARSENIC (AS) TRC	06/14/2011-08/28/2012	5	<0.003	0.0068	0.014	3.66	HIGHEST
		0.82	BARIUM (BA) TRC	06/14/2011-08/28/2012	5	0.07	0.2404	0.527	3.16	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.003	BERYLLIUM (BE) TRC	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.1	BORON (B) TRC	06/14/2011-08/28/2012	5	0.03	0.0380	0.06	4.76	HIGHEST
		0.0011	CADMIUM (CD) TRC	06/14/2011-08/28/2012	5	<0.00008	0.0003	0.00048	4.52	HIGHEST
		0.109	CHROMIUM (CR) TRC	06/14/2011-08/28/2012	5	0.001	0.0192	0.04	5.14	HIGHEST
		0.099	COPPER (CU) TRC	06/14/2011-08/28/2012	5	0.003	0.0218	0.048	4.11	HIGHEST
		87.6	IRON (FE) TRC	06/14/2011-08/28/2012	5	0.61	16.7220	38.0	4.19	HIGHEST
		0.059	LEAD (PB) TRC	06/14/2011-08/28/2012	5	0.0009	0.0105	0.0238	4.75	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		0.1	NICKEL (NI) TRC	06/14/2011-08/28/2012	5	<0.01	0.0240	0.04	5.01	HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.002	SELENIUM (SE) TRC	06/14/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		0.1	VANADIUM (V) TRC	06/14/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/14/2011-08/28/2012	5	0.01	0.0220	0.03	1.43	LOWEST
		0.4	ZINC (ZN) TRC	06/14/2011-08/28/2012	5	0.01	0.1220	0.23	2.85	HIGHEST
SW-6	04/25/2013	6.7	PH	06/14/2011-08/28/2012	4	7.2	7.4500	7.7	3.15	LOWEST
		156.0	SC (UMHOS/CM AT 25 C)	06/14/2011-08/28/2012	4	213.0	416.2500	591.0	1.68	LOWEST
		92.0	TDS (MEASURED AT 180 C)	06/14/2011-08/28/2012	4	132.0	324.0000	500.0	1.54	LOWEST
		25.0	TOTAL SUSPENDED SOLIDS	06/14/2011-08/28/2012	4	54	3306.0000	11000.0	0.63	LOWEST
		8.7	TURBIDITY (NTU)	06/14/2011-08/28/2012	4	11.4	26103.1000	100000.0	0.53	LOWEST
		15.0	CALCIUM (CA) TRC	06/14/2011-08/28/2012	4	27	37.2500	53.0	1.98	LOWEST
		5.0	MAGNESIUM (MG) TRC	06/14/2011-08/28/2012	4	6	12.0000	18.0	1.41	LOWEST
		2.0	SULFATE (SO4)	06/14/2011-08/28/2012	4	<5.0	96.2500	150.0	1.49	LOWEST
		3.72	NITRATE + NITRITE AS N	06/14/2011-08/28/2012	4	0.03	0.2975	0.98	7.50	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		0.049	BARIUM (BA) TRC	06/14/2011-08/28/2012	4	0.091	0.1205	0.146	3.06	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/14/2011-08/28/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/14/2011-08/28/2012	4	0.001	0.0045	0.007	1.32	LOWEST
		0.34	IRON (FE) TRC	06/14/2011-08/28/2012	4	1.31	3.7875	7.82	1.15	LOWEST
		<0.0005	LEAD (PB) TRC	06/14/2011-08/28/2012	4	0.0008	0.0021	0.0032	1.21	LOWEST
		0.01	MANGANESE (MN) DIS	06/14/2011-08/28/2012	4	0.019	0.2263	0.473	1.11	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/14/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/14/2011-08/28/2012	4	0.01	0.0200	0.05	0.50	LOWEST
SW-6	06/14/2013	7.1	PH	06/14/2011-08/28/2012	4	7.2	7.4500	7.7	1.47	LOWEST
		20.0	CALCIUM (CA) DIS	06/14/2011-08/28/2012	4	25.0	38.5000	60.0	1.21	LOWEST
		<1.0	CHLORIDE (CL)	06/14/2011-08/28/2012	4	2.0	5.7500	17.0	0.63	LOWEST
		13.0	ALUMINUM (AL) TRC	06/14/2011-08/28/2012	4	0.5	1.6250	3.0	> 10	HIGHEST
		0.004	ARSENIC (AS) DIS	06/14/2011-08/28/2012	4	<0.003		<0.003		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.01	ARSENIC (AS) TRC	06/14/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		0.238	BARIUM (BA) TRC	06/14/2011-08/28/2012	4	0.091	0.1205	0.146	5.02	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		0.04	BORON (B) DIS	06/14/2011-08/28/2012	4	0.02	0.0250	0.03	2.60	HIGHEST
		0.04	BORON (B) TRC	06/14/2011-08/28/2012	4	0.02	0.0250	0.04	1.50	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/14/2011-08/28/2012	4	<0.00008		<0.00008		HIGHEST
		0.00037	CADMIUM (CD) TRC	06/14/2011-08/28/2012	4	<0.00008	0.0001	0.0001	> 10	HIGHEST
		0.031	CHROMIUM (CR) TRC	06/14/2011-08/28/2012	4	0.001	0.0045	0.007	> 10	HIGHEST
		0.026	COPPER (CU) TRC	06/14/2011-08/28/2012	4	0.003	0.0043	0.006	> 10	HIGHEST
		2.54	IRON (FE) DIS	06/14/2011-08/28/2012	4	0.11	1.4375	2.28	1.14	HIGHEST
		21.4	IRON (FE) TRC	06/14/2011-08/28/2012	4	1.31	3.7875	7.82	5.88	HIGHEST
		0.0006	LEAD (PB) DIS	06/14/2011-08/28/2012	4	<0.0005		0.0006		HIGHEST
		0.0151	LEAD (PB) TRC	06/14/2011-08/28/2012	4	0.0008	0.0021	0.0032	> 10	HIGHEST
		0.542	MANGANESE (MN) DIS	06/14/2011-08/28/2012	4	0.019	0.2263	0.473	1.62	HIGHEST
		0.853	MANGANESE (MN) TRC	06/14/2011-08/28/2012	4	0.028	0.2565	0.542	2.66	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		0.03	NICKEL (NI) TRC	06/14/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
SW-7	04/25/2013	0.07	SODIUM ADSORPTION RATIO	06/14/2011-03/14/2012	2	0.85	1.2450	1.64	2.10	LOWEST
		18.0	CALCIUM (CA) TRC	06/14/2011-03/14/2012	2	65.0	97.0000	129	1.75	LOWEST
		5.0	MAGNESIUM (MG) TRC	06/14/2011-03/14/2012	2	28.0	40.5000	53	2.01	LOWEST
		1.0	SODIUM (NA) TRC	06/14/2011-03/14/2012	2	33.0	60.0000	87	1.55	LOWEST
		13.0	POTASSIUM (K) TRC	06/14/2011-03/14/2012	2	14	29.0000	44.0	0.75	LOWEST
		0.3	ALUMINUM (AL) TRC	06/14/2011-03/14/2012	2	0.6	0.7000	0.8	2.83	LOWEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-03/14/2012	2	<0.003		<0.003		HIGHEST
		0.053	BARIUM (BA) TRC	06/14/2011-03/14/2012	2	0.075	0.2045	0.334	0.83	LOWEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/14/2012	2	<0.001		<0.001		HIGHEST
		0.03	BORON (B) TRC	06/14/2011-03/14/2012	2	0.07	0.0700	0.07		LOWEST
		<0.001	CHROMIUM (CR) TRC	06/14/2011-03/14/2012	2	0.002	0.0020	0.002		LOWEST
		0.54	IRON (FE) TRC	06/14/2011-03/14/2012	2	1.02	1.1050	1.19	4.70	LOWEST
		0.0005	LEAD (PB) TRC	06/14/2011-03/14/2012	2	0.0011	0.0013	0.0014	3.54	LOWEST
		0.027	MANGANESE (MN) TRC	06/14/2011-03/14/2012	2	0.043	0.1005	0.158	0.90	LOWEST
		<0.01	NICKEL (NI) TRC	06/14/2011-03/14/2012	2	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/14/2012	2	<0.1		<0.1		HIGHEST
		0.04	ZINC (ZN) TRC	06/14/2011-03/14/2012	2	0.11	0.1800	0.25	1.41	LOWEST
SW-8	06/20/2013	3.58	SODIUM ADSORPTION RATIO	08/25/2011-04/19/2012	4	3.87	4.1075	4.29	2.56	LOWEST
		2850.0	SC (UMHOS/CM AT 25 C)	08/25/2011-04/19/2012	4	2860.0	3042.5000	3310.0	0.87	LOWEST
		133.0	MAGNESIUM (MG) DIS	08/25/2011-04/19/2012	4	153.0	164.0000	169.0	4.17	LOWEST
		130.0	MAGNESIUM (MG) TRC	08/25/2011-04/19/2012	4	148.0	162.5000	169	3.33	LOWEST
		280.0	SODIUM (NA) DIS	08/25/2011-04/19/2012	4	312.0	342.2500	361	2.92	LOWEST
		300.0	SODIUM (NA) TRC	08/25/2011-04/19/2012	4	314.0	343.7500	368	1.96	LOWEST
		12.0	POTASSIUM (K) TRC	08/25/2011-04/19/2012	4	10	10.7500	12.0	1.31	HIGHEST
		480.0	TOTAL ALKALINITY AS CACO3	08/25/2011-04/19/2012	4	430.0	450.0000	480.0	1.39	HIGHEST
		590.0	BICARBONATE (HCO3)	08/25/2011-04/19/2012	4	520.0	550.0000	590.0	1.36	HIGHEST
		1200.0	SULFATE (SO4)	08/25/2011-04/19/2012	4	1400.0	1550.0000	1600.0	3.50	LOWEST
		7.0	CHLORIDE (CL)	08/25/2011-04/19/2012	4	10.0	10.5000	11.0	6.06	LOWEST
		0.3	FLUORIDE (F)	08/25/2011-04/19/2012	4	0.2	0.2750	0.3	0.50	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-04/19/2012	4	<0.1		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	08/25/2011-04/19/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-04/19/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	08/25/2011-04/19/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.11	BORON (B) DIS	08/25/2011-04/19/2012	4	0.07	0.0900	0.11	1.22	HIGHEST
		0.12	BORON (B) TRC	08/25/2011-04/19/2012	4	0.07	0.0875	0.11	1.90	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-04/19/2012	4	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	08/25/2011-04/19/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/25/2011-04/19/2012	4	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) TRC	08/25/2011-04/19/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-04/19/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-04/19/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-04/19/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-04/19/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-04/19/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-04/19/2012	4	<0.01		<0.01		HIGHEST
		0.001	SELENIUM (SE) DIS	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	08/25/2011-04/19/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-04/19/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-04/19/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-04/19/2012	4	<0.01		<0.01		HIGHEST
SW-9	04/25/2013	1220.0	SC (UMHOS/CM AT 25 C)	08/25/2011-08/28/2012	8	1410.0	5360.0000	7470.0	2.07	LOWEST
		868.0	TDS (MEASURED AT 180 C)	08/25/2011-08/28/2012	8	1160.0	5502.5000	7570.0	2.25	LOWEST
		74.0	CALCIUM (CA) TRC	08/25/2011-08/28/2012	8	98	274.5000	368	2.26	LOWEST
		59.0	MAGNESIUM (MG) DIS	08/25/2011-08/28/2012	8	66.0	333.6250	530.0	1.98	LOWEST
		44.0	MAGNESIUM (MG) TRC	08/25/2011-08/28/2012	8	70	420.5000	896	1.59	LOWEST
		131.0	SODIUM (NA) TRC	08/25/2011-08/28/2012	8	144	948.1250	1850	1.72	LOWEST
		480.0	SULFATE (SO4)	08/25/2011-08/28/2012	8	690.0	3423.7500	5000.0	2.20	LOWEST
		6.0	CHLORIDE (CL)	08/25/2011-08/28/2012	8	15.0	28.2500	51.0	1.88	LOWEST
		0.45	NITRATE + NITRITE AS N	08/25/2011-08/28/2012	8	0.01	0.0838	0.28	3.25	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST
		0.085	BARIUM (BA) DIS	08/25/2011-08/28/2012	8	0.025	0.0429	0.07	2.97	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	8	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-08/28/2012	8	<0.001		<0.001		HIGHEST
		0.01	COPPER (CU) TRC	08/25/2011-08/28/2012	8	0.003	0.0053	0.009	2.24	HIGHEST
		1.09	IRON (FE) DIS	08/25/2011-08/28/2012	8	<0.05	0.1038	0.26	> 10	HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/28/2012	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	8	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-08/28/2012	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/28/2012	8	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-08/28/2012	8	<0.005		<0.005		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST
SW-9	06/14/2013	16.0	CARBONATE AS CO3	08/25/2011-08/28/2012	8	<1.0		<4.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-08/28/2012	8	0.01	0.0838	0.28	0.65	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	8	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-08/28/2012	8	<0.001		<0.001		HIGHEST
		0.4	BORON (B) DIS	08/25/2011-08/28/2012	8	0.06	0.1875	0.40	1.96	HIGHEST
		0.12	IRON (FE) TRC	08/25/2011-08/28/2012	8	0.27	1.5363	6.21	0.73	LOWEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/28/2012	8	<0.0005		<0.0005		HIGHEST
		0.046	MANGANESE (MN) TRC	08/25/2011-08/28/2012	8	0.065	0.8020	2.09	0.93	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	8	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-08/28/2012	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/28/2012	8	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-08/28/2012	8	<0.005		<0.005		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-08/28/2012	8	<0.1		<0.1		HIGHEST

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DataMan Program

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SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
SW-10	04/25/2013	0.41	SODIUM ADSORPTION RATIO	12/02/2011-08/28/2012	5	0.46	1.2620	2.65	0.88	LOWEST
		403.0	SC (UMHOS/CM AT 25 C)	12/02/2011-08/28/2012	5	539.0	1365.2000	3140.0	0.88	LOWEST
		259.0	TDS (MEASURED AT 180 C)	12/02/2011-08/28/2012	5	354.0	1042.0000	2420.0	0.91	LOWEST
		40.0	CALCIUM (CA) DIS	12/02/2011-08/28/2012	5	59.0	121.8000	262.0	0.95	LOWEST
		39.0	CALCIUM (CA) TRC	12/02/2011-08/28/2012	5	61	120.6000	256.0	0.99	LOWEST
		12.0	MAGNESIUM (MG) DIS	12/02/2011-08/28/2012	5	16.0	65.0000	183.0	0.76	LOWEST
		14.0	MAGNESIUM (MG) TRC	12/02/2011-08/28/2012	5	17	66.6000	189.0	0.74	LOWEST
		11.0	SODIUM (NA) DIS	12/02/2011-08/28/2012	5	13	80.8000	228.0	0.76	LOWEST
		11.0	SODIUM (NA) TRC	12/02/2011-08/28/2012	5	14	80.8000	229.0	0.77	LOWEST
		63.0	SULFATE (SO4)	12/02/2011-08/28/2012	5	130.0	582.0000	1500.0	0.90	LOWEST
		5.0	CHLORIDE (CL)	12/02/2011-08/28/2012	5	6.0	20.2000	30.0	1.57	LOWEST
		<0.003	ARSENIC (AS) DIS	12/02/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	12/02/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) TRC	12/02/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		0.0009	LEAD (PB) TRC	12/02/2011-08/28/2012	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	12/02/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	12/02/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	12/02/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	12/02/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	12/02/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	12/02/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	12/02/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	12/02/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
SW-10	06/14/2013	0.2	SODIUM ADSORPTION RATIO	12/02/2011-08/28/2012	5	0.46	1.2620	2.65	1.10	LOWEST
		318.0	SC (UMHOS/CM AT 25 C)	12/02/2011-08/28/2012	5	539.0	1365.2000	3140.0	0.96	LOWEST
		188.0	TDS (MEASURED AT 180 C)	12/02/2011-08/28/2012	5	354.0	1042.0000	2420.0	0.99	LOWEST
		34.0	CALCIUM (CA) DIS	12/02/2011-08/28/2012	5	59.0	121.8000	262.0	1.02	LOWEST
		38.0	CALCIUM (CA) TRC	12/02/2011-08/28/2012	5	61	120.6000	256.0	1.01	LOWEST
		8.0	MAGNESIUM (MG) DIS	12/02/2011-08/28/2012	5	16.0	65.0000	183.0	0.82	LOWEST
		11.0	MAGNESIUM (MG) TRC	12/02/2011-08/28/2012	5	17	66.6000	189.0	0.78	LOWEST
		5.0	SODIUM (NA) DIS	12/02/2011-08/28/2012	5	13	80.8000	228.0	0.83	LOWEST
		5.0	SODIUM (NA) TRC	12/02/2011-08/28/2012	5	14	80.8000	229.0	0.83	LOWEST
		12.0	POTASSIUM (K) DIS	12/02/2011-08/28/2012	5	13.0	19.6000	35.0	0.85	LOWEST
		32.0	SULFATE (SO4)	12/02/2011-08/28/2012	5	130.0	582.0000	1500.0	0.95	LOWEST
		5.0	CHLORIDE (CL)	12/02/2011-08/28/2012	5	6.0	20.2000	30.0	1.57	LOWEST
		0.05	NITRATE + NITRITE AS N	12/02/2011-08/28/2012	5	0.14	0.9480	2.19	1.04	LOWEST
		4.7	ALUMINUM (AL) TRC	12/02/2011-08/28/2012	5	<0.1		3.0		HIGHEST
		<0.003	ARSENIC (AS) DIS	12/02/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		0.006	ARSENIC (AS) TRC	12/02/2011-08/28/2012	5	<0.003		<0.003		HIGHEST
		0.121	BARIUM (BA) DIS	12/02/2011-08/28/2012	5	0.052	0.0828	0.114	1.35	HIGHEST
		0.188	BARIUM (BA) TRC	12/02/2011-08/28/2012	5	0.052	0.0924	0.149	2.42	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		0.00013	CADMIUM (CD) TRC	12/02/2011-08/28/2012	5	<0.00008		<0.00008		HIGHEST
		0.009	CHROMIUM (CR) TRC	12/02/2011-08/28/2012	5	<0.001		0.002		HIGHEST
		<0.001	COPPER (CU) DIS	12/02/2011-08/28/2012	5	0.002	0.0054	0.009	1.53	LOWEST
		0.71	IRON (FE) DIS	12/02/2011-08/28/2012	5	<0.05	0.3360	0.54	1.91	HIGHEST
		7.65	IRON (FE) TRC	12/02/2011-08/28/2012	5	0.13	1.6400	4.5	3.17	HIGHEST
		0.005	LEAD (PB) TRC	12/02/2011-08/28/2012	5	<0.0005		<0.0005		HIGHEST
		0.878	MANGANESE (MN) DIS	12/02/2011-08/28/2012	5	0.007	0.1570	0.519	3.22	HIGHEST
		1.02	MANGANESE (MN) TRC	12/02/2011-08/28/2012	5	0.018	0.2266	0.634	3.22	HIGHEST
		<0.00005	MERCURY (HG) DIS	12/02/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		0.00005	MERCURY (HG) TOT	12/02/2011-08/28/2012	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	12/02/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	12/02/2011-08/28/2012	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	12/02/2011-08/28/2012	5	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.01	NICKEL (NI) TRC	12/02/2011-08/28/2012	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	12/02/2011-08/28/2012	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	12/02/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	12/02/2011-08/28/2012	5	<0.1		<0.1		HIGHEST
SW-11	04/25/2013	<0.1	ALUMINUM (AL) DIS	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/28/2012	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/28/2012	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	7	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-08/28/2012	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/28/2012	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-08/28/2012	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
		0.003	SELENIUM (SE) DIS	08/25/2011-08/28/2012	7	<0.001	0.0017	0.003	1.70	HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) TRC	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
SW-11	06/14/2013	32.0	CARBONATE AS CO3	08/25/2011-08/28/2012	7	<1.0		22		HIGHEST
		9.0	CHLORIDE (CL)	08/25/2011-08/28/2012	7	10.0	11.4286	14.0	1.74	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-08/28/2012	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-08/28/2012	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-08/28/2012	7	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-08/28/2012	7	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-08/28/2012	7	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-08/28/2012	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-08/28/2012	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-08/28/2012	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) TRC	08/25/2011-08/28/2012	7	<0.01		<0.01		HIGHEST
SW-12	04/25/2013	8.2	PH	10/20/2011-08/28/2012	4	7.5	7.7500	8.1	1.70	HIGHEST
		5.53	SODIUM ADSORPTION RATIO	10/20/2011-08/28/2012	4	2.73	4.7625	5.53	0.56	HIGHEST
		21.0	CARBONATE AS CO3	10/20/2011-08/28/2012	4	<1.0		6.0		HIGHEST
		0.03	NITRATE + NITRITE AS N	10/20/2011-08/28/2012	4	0.04	0.1325	0.36	0.67	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		0.023	BARIUM (BA) DIS	10/20/2011-08/28/2012	4	0.03	0.0623	0.126	0.91	LOWEST
		0.024	BARIUM (BA) TRC	10/20/2011-08/28/2012	4	0.035	0.0665	0.128	1.01	LOWEST
		<0.001	BERYLLIUM (BE) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		0.31	BORON (B) DIS	10/20/2011-08/28/2012	4	0.12	0.2375	0.31	0.82	HIGHEST
		0.32	BORON (B) TRC	10/20/2011-08/28/2012	4	0.13	0.2450	0.32	0.84	HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/20/2011-08/28/2012	4	0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	10/20/2011-08/28/2012	4	0.001	0.0018	0.004	0.50	LOWEST
		<0.001	COPPER (CU) TRC	10/20/2011-08/28/2012	4	0.001	0.0025	0.005	0.78	LOWEST
		<0.0005	LEAD (PB) DIS	10/20/2011-08/28/2012	4	<0.0005		<0.0005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00005	MERCURY (HG) DIS	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		0.003	SELENIUM (SE) DIS	10/20/2011-08/28/2012	4	<0.001	0.0025	0.003	0.50	HIGHEST
		<0.1	VANADIUM (V) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/20/2011-08/28/2012	4	<0.01		0.01		HIGHEST
SW-12	06/20/2013	8.2	PH	10/20/2011-08/28/2012	4	7.5	7.7500	8.1	1.70	HIGHEST
		5.59	SODIUM ADSORPTION RATIO	10/20/2011-08/28/2012	4	2.73	4.7625	5.53	0.61	HIGHEST
		3500.0	SC (UMHOS/CM AT 25 C)	10/20/2011-08/28/2012	4	1900.0	3027.5000	3460.0	0.63	HIGHEST
		620.0	TOTAL ALKALINITY AS CACO3	10/20/2011-08/28/2012	4	180.0	420.0000	620.0	0.88	HIGHEST
		19.0	CARBONATE AS CO3	10/20/2011-08/28/2012	4	<1.0		6.0		HIGHEST
		0.02	NITRATE + NITRITE AS N	10/20/2011-08/28/2012	4	0.04	0.1325	0.36	0.74	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		0.39	BORON (B) DIS	10/20/2011-08/28/2012	4	0.12	0.2375	0.31	1.73	HIGHEST
		0.41	BORON (B) TRC	10/20/2011-08/28/2012	4	0.13	0.2450	0.32	1.86	HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		0.001	CHROMIUM (CR) TRC	10/20/2011-08/28/2012	4	0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	10/20/2011-08/28/2012	4	0.001	0.0018	0.004	0.50	LOWEST
		<0.0005	LEAD (PB) DIS	10/20/2011-08/28/2012	4	<0.0005		<0.0005		HIGHEST
		0.016	MANGANESE (MN) DIS	10/20/2011-08/28/2012	4	0.019	0.2543	0.536	0.92	LOWEST
		0.044	MANGANESE (MN) TRC	10/20/2011-08/28/2012	4	0.047	0.3228	0.542	1.24	LOWEST
		<0.00005	MERCURY (HG) DIS	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/20/2011-08/28/2012	4	<0.01		0.01		HIGHEST
SW-12	06/20/2013	8.1	PH	10/20/2011-08/28/2012	4	7.5	7.7500	8.1	1.32	HIGHEST
		3510.0	SC (UMHOS/CM AT 25 C)	10/20/2011-08/28/2012	4	1900.0	3027.5000	3460.0	0.64	HIGHEST
		2.6	TURBIDITY (NTU)	10/20/2011-08/28/2012	4	5.5	376.9000	1460.0	0.52	LOWEST
		0.03	NITRATE + NITRITE AS N	10/20/2011-08/28/2012	4	0.04	0.1325	0.36	0.67	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		0.005	ARSENIC (AS) TRC	10/20/2011-08/28/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		0.41	BORON (B) DIS	10/20/2011-08/28/2012	4	0.12	0.2375	0.31	1.96	HIGHEST
		0.41	BORON (B) TRC	10/20/2011-08/28/2012	4	0.13	0.2450	0.32	1.86	HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/20/2011-08/28/2012	4	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/20/2011-08/28/2012	4	0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	10/20/2011-08/28/2012	4	0.001	0.0018	0.004	0.50	LOWEST
		<0.0005	LEAD (PB) DIS	10/20/2011-08/28/2012	4	<0.0005		<0.0005		HIGHEST
		0.016	MANGANESE (MN) DIS	10/20/2011-08/28/2012	4	0.019	0.2543	0.536	0.92	LOWEST
		0.029	MANGANESE (MN) TRC	10/20/2011-08/28/2012	4	0.047	0.3228	0.542	1.30	LOWEST
		<0.00005	MERCURY (HG) DIS	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/20/2011-08/28/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/20/2011-08/28/2012	4	<0.005		<0.005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NICKEL (NI) DIS	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/20/2011-08/28/2012	4	<0.01		<0.01		HIGHEST
		0.003	SELENIUM (SE) DIS	10/20/2011-08/28/2012	4	<0.001	0.0025	0.003	0.50	HIGHEST
		<0.1	VANADIUM (V) DIS	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/20/2011-08/28/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/20/2011-08/28/2012	4	<0.01		0.01		HIGHEST
SW-13	04/25/2013	8.9	PH	06/14/2011-02/07/2013	7	7.5	7.8857	8.4	2.99	HIGHEST
		21.5	SODIUM ADSORPTION RATIO	06/14/2011-02/07/2013	7	3.73	9.5386	13	3.46	HIGHEST
		1790.0	SODIUM (NA) DIS	06/14/2011-02/07/2013	7	93.0	858.2857	1650.0	1.39	HIGHEST
		1810.0	SODIUM (NA) TRC	06/14/2011-02/07/2013	7	96.0	849.7143	1640	1.42	HIGHEST
		63.0	CARBONATE AS CO3	06/14/2011-02/07/2013	7	<1.0		23.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/14/2011-02/07/2013	7	0.05	1.4057	4.55	0.88	LOWEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-02/07/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-02/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-02/07/2013	7	0.001		0.004		LOWEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-02/07/2013	7	<0.001		<0.001		HIGHEST
		0.012	MANGANESE (MN) DIS	06/14/2011-02/07/2013	7	0.017	0.0550	0.134	0.85	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-02/07/2013	7	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-02/07/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-02/07/2013	7	0.01		0.02		LOWEST
		<0.1	VANADIUM (V) DIS	06/14/2011-02/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-02/07/2013	7	<0.1		<0.1		HIGHEST
SW-13	06/20/2013	<0.003	ARSENIC (AS) DIS	06/14/2011-02/07/2013	7	<0.003		<0.003		HIGHEST
		0.184	BARIUM (BA) DIS	06/14/2011-02/07/2013	7	0.028	0.0644	0.091	5.87	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-02/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-02/07/2013	7	<0.001		<0.001		HIGHEST
		0.299	MANGANESE (MN) DIS	06/14/2011-02/07/2013	7	0.017	0.0550	0.134	4.81	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-02/07/2013	7	<0.005		<0.005		HIGHEST
		0.006	MOLYBDENUM (MO) TRC	06/14/2011-02/07/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-02/07/2013	7	0.01		0.02		LOWEST
		<0.1	VANADIUM (V) DIS	06/14/2011-02/07/2013	7	<0.1		<0.1		HIGHEST
		0.1	VANADIUM (V) TRC	06/14/2011-02/07/2013	7	<0.1		<0.1		HIGHEST
SW-14	04/26/2013	7.1	PH	06/14/2011-08/27/2012	3	7.7	7.9000	8.0	4.62	LOWEST
		205.0	SC (UMHOS/CM AT 25 C)	06/14/2011-08/27/2012	3	287.0	1574.3333	3640.0	0.76	LOWEST
		163.0	TDS (MEASURED AT 180 C)	06/14/2011-08/27/2012	3	180.0	1557.3333	3910.0	0.68	LOWEST
		20.0	CALCIUM (CA) DIS	06/14/2011-08/27/2012	3	33.0	110.3333	243.0	0.78	LOWEST
		25.0	CALCIUM (CA) TRC	06/14/2011-08/27/2012	4	36	81.2500	143.0	1.24	LOWEST
		14.0	POTASSIUM (K) TRC	06/14/2011-08/27/2012	4	7	9.7500	13.0	1.70	HIGHEST
		89.0	TOTAL ALKALINITY AS CACO3	06/14/2011-08/27/2012	3	120.0	143.3333	170.0	2.16	LOWEST
		110.0	BICARBONATE (HCO3)	06/14/2011-08/27/2012	3	150.0	180.0000	210.0	2.33	LOWEST
		8.0	SULFATE (SO4)	06/14/2011-08/27/2012	3	9.0	899.6667	2400.0	0.68	LOWEST
		<0.1	FLUORIDE (F)	06/14/2011-08/27/2012	3	0.1	0.4333	0.9	0.80	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/14/2011-08/27/2012	3	<0.1		<0.1		HIGHEST
		1.0	ALUMINUM (AL) TRC	06/14/2011-08/27/2012	4	1.4	3.1250	5.70	1.17	LOWEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-08/27/2012	3	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-08/27/2012	4	<0.003		<0.003		HIGHEST
		0.071	BARIUM (BA) DIS	06/14/2011-08/27/2012	3	0.082	0.1027	0.14	0.98	LOWEST
		0.098	BARIUM (BA) TRC	06/14/2011-08/27/2012	4	0.116	0.1445	0.165	1.89	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-08/27/2012	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-08/27/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/14/2011-08/27/2012	3	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-08/27/2012	3	<0.001		<0.001		HIGHEST
		0.002	CHROMIUM (CR) TRC	06/14/2011-08/27/2012	4	0.003	0.0048	0.009	0.96	LOWEST
		2.12	IRON (FE) TRC	06/14/2011-08/27/2012	4	2.33	3.9425	7.42	0.78	LOWEST
		<0.0005	LEAD (PB) DIS	06/14/2011-08/27/2012	3	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) TOT	06/14/2011-08/27/2012	4	0.00005		<0.0001		LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-08/27/2012	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-08/27/2012	4	<0.005		<0.005		HIGHEST

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DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NICKEL (NI) DIS	06/14/2011-08/27/2012	3	<0.01		<0.01		HIGHEST
		0.01	NICKEL (NI) TRC	06/14/2011-08/27/2012	4	0.01	0.0100	<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/14/2011-08/27/2012	3	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/14/2011-08/27/2012	4	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-08/27/2012	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-08/27/2012	4	<0.1		<0.1		HIGHEST
SW-16	06/14/2013	36.0	TOTAL SUSPENDED SOLIDS	06/15/2011-03/07/2013	7	6	18.1429	32.0	1.73	HIGHEST
		100.0	CALCIUM (CA) TRC	06/15/2011-03/07/2013	6	119	130.6667	140.0	3.80	LOWEST
		520.0	BICARBONATE (HCO3)	06/15/2011-03/07/2013	7	550.0	624.2857	680.0	2.19	LOWEST
		0.2	ALUMINUM (AL) TRC	06/15/2011-03/07/2013	6	<0.1	0.1333	0.2	1.29	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-03/07/2013	7	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-03/07/2013	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		0.48	BORON (B) TRC	06/15/2011-03/07/2013	6	0.26	0.3400	0.41	2.30	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-03/07/2013	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/15/2011-03/07/2013	7	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-03/07/2013	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-03/07/2013	7	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
SW-17	06/13/2013	3.52	SODIUM ADSORPTION RATIO	06/14/2011-03/15/2012	3	3.61	4.8967	6.6	0.90	LOWEST
		40.0	TOTAL SUSPENDED SOLIDS	06/14/2011-10/25/2011	2	1230.0	9665.0000	18100	0.81	LOWEST
		13.5	TURBIDITY (NTU)	06/14/2011-10/25/2011	2	100000.0	100000.000	100000.0		LOWEST
		430.0	CALCIUM (CA) DIS	06/14/2011-10/25/2011	2	181.0	213.5000	246.0	4.71	HIGHEST
		431.0	CALCIUM (CA) TRC	06/14/2011-03/15/2012	3	179	194.6667	212.0	> 10	HIGHEST
		146.0	MAGNESIUM (MG) DIS	06/14/2011-10/25/2011	2	172.0	208.5000	245.0	1.21	LOWEST
		331.0	SODIUM (NA) DIS	06/14/2011-10/25/2011	2	517.0	662.5000	808	1.61	LOWEST
		20.0	POTASSIUM (K) DIS	06/14/2011-10/25/2011	2	14.0	15.0000	16.0	3.54	HIGHEST
		93.0	TOTAL ALKALINITY AS CACO3	06/14/2011-10/25/2011	2	170.0	300.0000	430.0	1.13	LOWEST
		110.0	BICARBONATE (HCO3)	06/14/2011-10/25/2011	2	210.0	365.0000	520.0	1.16	LOWEST
		<1.0	CARBONATE AS CO3	06/14/2011-10/25/2011	2	4.0	4.0000	<4.0		LOWEST
		2400.0	SULFATE (SO4)	06/14/2011-10/25/2011	2	800.0	1450.0000	2100.0	1.03	HIGHEST
		0.5	FLUORIDE (F)	06/14/2011-10/25/2011	2	0.9	1.0500	1.2	2.59	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/14/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/14/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/14/2011-03/15/2012	3	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/14/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/14/2011-03/15/2012	3	<0.001		<0.001		HIGHEST
		0.19	BORON (B) TRC	06/14/2011-03/15/2012	3	0.1	0.1500	0.18	0.92	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/14/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/14/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.006	COPPER (CU) DIS	06/14/2011-10/25/2011	2	<0.001	0.0020	0.003	2.83	HIGHEST
		<0.05	IRON (FE) DIS	06/14/2011-10/25/2011	2	0.07	0.0850	0.10	1.65	LOWEST
		0.63	IRON (FE) TRC	06/14/2011-03/15/2012	3	0.88	5.5067	9.32	1.14	LOWEST
		<0.0005	LEAD (PB) DIS	06/14/2011-10/25/2011	2	<0.0005		<0.0005		HIGHEST
		0.0008	LEAD (PB) TRC	06/14/2011-03/15/2012	3	0.0009	0.0058	0.0100	1.08	LOWEST
		0.016	MANGANESE (MN) DIS	06/14/2011-10/25/2011	2	0.025	0.0955	0.166	0.80	LOWEST
		0.026	MANGANESE (MN) TRC	06/14/2011-03/15/2012	3	0.038	0.3670	0.815	0.85	LOWEST

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		<0.005	MOLYBDENUM (MO) DIS	06/14/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/14/2011-03/15/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/14/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/14/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/14/2011-03/15/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/14/2011-10/25/2011	2	0.01	0.0350	0.06	0.71	LOWEST
		<0.01	ZINC (ZN) TRC	06/14/2011-03/15/2012	3	0.06	0.0700	0.09	3.46	LOWEST
SW-18	04/26/2013	17.0	CALCIUM (CA) DIS	06/15/2011-02/07/2013	3	20.0	29.0000	39.0	1.26	LOWEST
		5.0	MAGNESIUM (MG) DIS	06/15/2011-02/07/2013	3	7.0	14.6667	21.0	1.36	LOWEST
		8.0	MAGNESIUM (MG) TRC	06/15/2011-02/07/2013	3	10	13.3333	19	1.08	LOWEST
		6.0	SODIUM (NA) DIS	06/15/2011-02/07/2013	3	8	21.6667	44.0	0.80	LOWEST
		9.0	SULFATE (SO4)	06/15/2011-02/07/2013	3	22.0	74.6667	160.0	0.88	LOWEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-02/07/2013	3	<0.003		<0.003		HIGHEST
		0.06	BARIUM (BA) DIS	06/15/2011-02/07/2013	3	0.064	0.0667	0.07	2.18	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-02/07/2013	3	<0.00008		<0.00008		HIGHEST
		0.189	MANGANESE (MN) DIS	06/15/2011-02/07/2013	3	<0.005	0.0493	0.1	2.92	HIGHEST
		0.258	MANGANESE (MN) TRC	06/15/2011-02/07/2013	3	0.064	0.1277	0.21	1.74	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-02/07/2013	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-02/07/2013	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-02/07/2013	3	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-02/07/2013	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-02/07/2013	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-02/07/2013	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-02/07/2013	3	0.02	0.0733	0.16	0.84	LOWEST
		0.02	ZINC (ZN) TRC	06/15/2011-02/07/2013	3	0.04	0.1400	0.32	0.77	LOWEST
SW-18	06/20/2013	53.0	CALCIUM (CA) TRC	06/15/2011-02/07/2013	3	20	25.0000	33	4.00	HIGHEST
		31.0	MAGNESIUM (MG) TRC	06/15/2011-02/07/2013	3	10	13.3333	19	3.58	HIGHEST
		0.4	NITRATE + NITRITE AS N	06/15/2011-02/07/2013	3	<0.01	0.0700	0.18	3.46	HIGHEST
		33.7	ALUMINUM (AL) TRC	06/15/2011-02/07/2013	3	0.1	3.4667	7.2	8.48	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-02/07/2013	3	<0.003		<0.003		HIGHEST
		0.023	ARSENIC (AS) TRC	06/15/2011-02/07/2013	3	<0.003		0.005		HIGHEST
		0.398	BARIUM (BA) TRC	06/15/2011-02/07/2013	3	0.041	0.0880	0.114	7.60	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		0.003	BERYLLIUM (BE) TRC	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		0.07	BORON (B) TRC	06/15/2011-02/07/2013	3	0.04	0.0433	0.05	4.62	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-02/07/2013	3	<0.00008		<0.00008		HIGHEST
		0.00085	CADMIUM (CD) TRC	06/15/2011-02/07/2013	3	<0.00008	0.0001	0.0002	> 10	HIGHEST
		0.073	CHROMIUM (CR) TRC	06/15/2011-02/07/2013	3	<0.001	0.0067	0.011	> 10	HIGHEST
		0.084	COPPER (CU) TRC	06/15/2011-02/07/2013	3	0.005	0.0107	0.018	> 10	HIGHEST
		73.0	IRON (FE) TRC	06/15/2011-02/07/2013	3	0.35	5.3900	10.7	> 10	HIGHEST
		0.0578	LEAD (PB) TRC	06/15/2011-02/07/2013	3	0.0008	0.0045	0.0082	> 10	HIGHEST
		0.141	MANGANESE (MN) DIS	06/15/2011-02/07/2013	3	<0.005	0.0493	0.1	1.92	HIGHEST
		1.49	MANGANESE (MN) TRC	06/15/2011-02/07/2013	3	0.064	0.1277	0.21	> 10	HIGHEST
		0.0001	MERCURY (HG) TOT	06/15/2011-02/07/2013	3	<0.00005		<0.0001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-02/07/2013	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-02/07/2013	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-02/07/2013	3	<0.01		<0.01		HIGHEST
		0.07	NICKEL (NI) TRC	06/15/2011-02/07/2013	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		0.002	SELENIUM (SE) TRC	06/15/2011-02/07/2013	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-02/07/2013	3	<0.1		<0.1		HIGHEST
		0.1	VANADIUM (V) TRC	06/15/2011-02/07/2013	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-02/07/2013	3	0.02	0.0733	0.16	0.84	LOWEST
SW-20	04/26/2013	7.1	PH	06/15/2011-10/25/2011	2	8.0	8.0500	8.1	> 10	LOWEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.09	SODIUM ADSORPTION RATIO	06/15/2011-10/25/2011	2	0.62	0.7100	0.8	4.87	LOWEST
		201.0	SC (UMHOS/CM AT 25 C)	06/15/2011-10/25/2011	2	318.0	439.0000	560.0	1.39	LOWEST
		96.0	CALCIUM (CA) TRC	06/15/2011-10/25/2011	2	2.0	34.0000	66.0	1.37	HIGHEST
		34.0	MAGNESIUM (MG) TRC	06/15/2011-10/25/2011	2	<1.0	9.5000	18	2.04	HIGHEST
		2.0	SODIUM (NA) DIS	06/15/2011-10/25/2011	2	19.0	21.0000	23	6.72	LOWEST
		18.0	POTASSIUM (K) DIS	06/15/2011-10/25/2011	2	5.0	10.5000	16.0	0.96	HIGHEST
		22.0	POTASSIUM (K) TRC	06/15/2011-10/25/2011	2	<1.0	8.0000	15.0	1.41	HIGHEST
		<1.0	CARBONATE AS CO3	06/15/2011-10/25/2011	2	<4.0		<4.0		LOWEST
		11.0	SULFATE (SO4)	06/15/2011-10/25/2011	2	82.0	116.0000	150.0	2.18	LOWEST
		<0.1	FLUORIDE (F)	06/15/2011-10/25/2011	2	0.5	0.6000	0.7	3.54	LOWEST
		0.03	NITRATE + NITRITE AS N	06/15/2011-10/25/2011	2	0.08	0.7000	1.32	0.76	LOWEST
		1.5	ALUMINUM (AL) DIS	06/15/2011-10/25/2011	2	<0.1	0.3500	0.6	3.25	HIGHEST
		15.5	ALUMINUM (AL) TRC	06/15/2011-10/25/2011	2	<0.1	0.2500	0.4	> 10	HIGHEST
		0.003	ARSENIC (AS) DIS	06/15/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		0.015	ARSENIC (AS) TRC	06/15/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		0.128	BARIUM (BA) DIS	06/15/2011-10/25/2011	2	0.048	0.0825	0.117	0.93	HIGHEST
		0.332	BARIUM (BA) TRC	06/15/2011-10/25/2011	2	<0.005	0.0585	0.112	3.61	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.002	BERYLLIUM (BE) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.06	BORON (B) DIS	06/15/2011-10/25/2011	2	0.04	0.0450	0.05	2.12	HIGHEST
		0.08	BORON (B) TRC	06/15/2011-10/25/2011	2	<0.01	0.0300	0.05	1.77	HIGHEST
		0.00009	CADMIUM (CD) DIS	06/15/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		0.00064	CADMIUM (CD) TRC	06/15/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.028	CHROMIUM (CR) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.006	COPPER (CU) DIS	06/15/2011-10/25/2011	2	<0.001	0.0020	0.003	2.83	HIGHEST
		0.039	COPPER (CU) TRC	06/15/2011-10/25/2011	2	<0.001	0.0020	0.003	> 10	HIGHEST
		3.49	IRON (FE) DIS	06/15/2011-10/25/2011	2	0.13	0.4000	0.67	8.09	HIGHEST
		33.6	IRON (FE) TRC	06/15/2011-10/25/2011	2	<0.05	0.4650	0.88	> 10	HIGHEST
		0.0026	LEAD (PB) DIS	06/15/2011-10/25/2011	2	<0.0005	0.0008	0.0011	4.24	HIGHEST
		0.0329	LEAD (PB) TRC	06/15/2011-10/25/2011	2	<0.0005	0.0006	0.0006	> 10	HIGHEST
		0.571	MANGANESE (MN) DIS	06/15/2011-10/25/2011	2	0.012	0.0285	0.045	> 10	HIGHEST
		1.09	MANGANESE (MN) TRC	06/15/2011-10/25/2011	2	0.011	0.0345	0.058	> 10	HIGHEST
		0.00013	MERCURY (HG) TOT	06/15/2011-10/25/2011	2	<0.00005		<0.0001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		0.04	NICKEL (NI) TRC	06/15/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		0.24	ZINC (ZN) TRC	06/15/2011-10/25/2011	2	<0.01	0.1050	0.20	1.00	HIGHEST
SW-20	06/20/2013	7.4	PH	06/15/2011-10/25/2011	2	8.0	8.0500	8.1	9.19	LOWEST
		0.11	SODIUM ADSORPTION RATIO	06/15/2011-10/25/2011	2	0.62	0.7100	0.8	4.71	LOWEST
		226.0	SC (UMHOS/CM AT 25 C)	06/15/2011-10/25/2011	2	318.0	439.0000	560.0	1.24	LOWEST
		175.0	CALCIUM (CA) TRC	06/15/2011-10/25/2011	2	2.0	34.0000	66.0	3.12	HIGHEST
		5.0	MAGNESIUM (MG) DIS	06/15/2011-10/25/2011	2	10.0	14.5000	19.0	1.49	LOWEST
		84.0	MAGNESIUM (MG) TRC	06/15/2011-10/25/2011	2	<1.0	9.5000	18	6.20	HIGHEST
		2.0	SODIUM (NA) DIS	06/15/2011-10/25/2011	2	19.0	21.0000	23	6.72	LOWEST
		28.0	POTASSIUM (K) TRC	06/15/2011-10/25/2011	2	<1.0	8.0000	15.0	2.02	HIGHEST
		<1.0	CARBONATE AS CO3	06/15/2011-10/25/2011	2	<4.0		<4.0		LOWEST
		9.0	SULFATE (SO4)	06/15/2011-10/25/2011	2	82.0	116.0000	150.0	2.23	LOWEST
		<0.1	FLUORIDE (F)	06/15/2011-10/25/2011	2	0.5	0.6000	0.7	3.54	LOWEST
		71.7	ALUMINUM (AL) TRC	06/15/2011-10/25/2011	2	<0.1	0.2500	0.4	> 10	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		0.062	ARSENIC (AS) TRC	06/15/2011-10/25/2011	2	<0.003		<0.003		HIGHEST
		0.862	BARIUM (BA) TRC	06/15/2011-10/25/2011	2	<0.005	0.0585	0.112	> 10	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.006	BERYLLIUM (BE) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.13	BORON (B) TRC	06/15/2011-10/25/2011	2	<0.01	0.0300	0.05	3.54	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/15/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		0.0016	CADMIUM (CD) TRC	06/15/2011-10/25/2011	2	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.13	CHROMIUM (CR) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		0.105	COPPER (CU) TRC	06/15/2011-10/25/2011	2	<0.001	0.0020	0.003	> 10	HIGHEST
		148.0	IRON (FE) TRC	06/15/2011-10/25/2011	2	<0.05	0.4650	0.88	> 10	HIGHEST
		0.114	LEAD (PB) TRC	06/15/2011-10/25/2011	2	<0.0005	0.0006	0.0006	> 10	HIGHEST
		0.468	MANGANESE (MN) DIS	06/15/2011-10/25/2011	2	0.012	0.0285	0.045	> 10	HIGHEST
		3.39	MANGANESE (MN) TRC	06/15/2011-10/25/2011	2	0.011	0.0345	0.058	> 10	HIGHEST
		0.00019	MERCURY (HG) TOT	06/15/2011-10/25/2011	2	<0.00005		<0.0001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-10/25/2011	2	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		0.12	NICKEL (NI) TRC	06/15/2011-10/25/2011	2	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-10/25/2011	2	0.001	0.0015	0.002	0.71	LOWEST
		0.004	SELENIUM (SE) TRC	06/15/2011-10/25/2011	2	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		0.2	VANADIUM (V) TRC	06/15/2011-10/25/2011	2	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-10/25/2011	2	0.01	0.0450	0.08	0.71	LOWEST
		0.67	ZINC (ZN) TRC	06/15/2011-10/25/2011	2	<0.01	0.1050	0.20	4.21	HIGHEST
SW-22	06/14/2013	8.7	PH	06/15/2011-03/07/2013	7	8.1	8.3857	8.5	2.15	HIGHEST
		3.0	TURBIDITY (NTU)	06/15/2011-03/07/2013	7	5.5	13.6714	43.0	0.79	LOWEST
		101.0	CALCIUM (CA) TRC	06/15/2011-03/07/2013	6	126	137.6667	145.0	5.13	LOWEST
		490.0	TOTAL ALKALINITY AS CACO3	06/15/2011-03/07/2013	7	520.0	584.2857	620.0	2.13	LOWEST
		470.0	BICARBONATE (HCO3)	06/15/2011-03/07/2013	7	580.0	648.5714	690.0	4.40	LOWEST
		64.0	CARBONATE AS CO3	06/15/2011-03/07/2013	7	<1.0	32.8571	44.0	2.11	HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-03/07/2013	6	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-12/06/2012	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		0.39	BORON (B) TRC	06/15/2011-03/07/2013	6	0.25	0.3250	0.38	1.26	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-03/07/2013	7	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-03/07/2013	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-03/07/2013	6	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-03/07/2013	7	0.001		0.003		LOWEST
		0.1	IRON (FE) TRC	06/15/2011-03/07/2013	6	0.24	0.4633	0.83	1.59	LOWEST
		<0.0005	LEAD (PB) TRC	06/15/2011-03/07/2013	6	<0.0005		<0.0005		HIGHEST
		0.013	MANGANESE (MN) DIS	06/15/2011-03/07/2013	7	0.125	0.2771	0.563	1.83	LOWEST
		0.014	MANGANESE (MN) TRC	06/15/2011-03/07/2013	6	0.128	0.2883	0.528	1.96	LOWEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-03/07/2013	6	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-03/07/2013	7	0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-03/07/2013	6	0.001	0.0010	<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-03/07/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-03/07/2013	6	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-03/07/2013	7	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-03/07/2013	6	<0.01		<0.01		HIGHEST
SW-23	06/14/2013	2.2	TURBIDITY (NTU)	06/15/2011-04/19/2012	3	3.5	6.0000	9.5	1.22	LOWEST
		22.0	CARBONATE AS CO3	06/15/2011-04/19/2012	3	<1.0		<4.0		HIGHEST
		5.0	CHLORIDE (CL)	06/15/2011-04/19/2012	3	6.0	8.6667	12.0	1.20	LOWEST
		0.6	FLUORIDE (F)	06/15/2011-04/19/2012	3	0.5	0.5667	0.6	0.58	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	06/15/2011-04/19/2012	3	<0.1		0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-04/19/2012	3	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/15/2011-04/19/2012	3	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		0.57	BORON (B) DIS	06/15/2011-04/19/2012	3	0.31	0.4833	0.57	0.58	HIGHEST
		0.63	BORON (B) TRC	06/15/2011-04/19/2012	3	0.33	0.4800	0.56	1.15	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL STATISTICAL SUMMARY

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/15/2011-04/19/2012	3	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-04/19/2012	3	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) TRC	06/15/2011-04/19/2012	3	0.001		<0.001		HIGHEST
		0.25	IRON (FE) TRC	06/15/2011-04/19/2012	3	0.31	0.3667	0.42	2.12	LOWEST
		<0.0005	LEAD (PB) DIS	06/15/2011-04/19/2012	3	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	06/15/2011-04/19/2012	3	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-04/19/2012	3	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-04/19/2012	3	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-04/19/2012	3	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-04/19/2012	3	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-04/19/2012	3	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-04/19/2012	3	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-04/19/2012	3	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-04/19/2012	3	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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49	A7	A7	Groundwater		
50	AVF1-2	AVF1-2	Groundwater		
51	AVF2-2	AVF2-2	Groundwater		
52	AVF3-2	GNP AVF3-2	Groundwater		
53	AVF5-1	AVF5-1	Groundwater		
54	AVF6-3	STATE AVF6-3	Groundwater		
55	B1-C	GNP B1-C	Groundwater		
56	B1-U	GNP B1-U	Groundwater		
57	B2-K	B2-K	Groundwater		
58	B2-O	B2-O	Groundwater		
59	B2-U	B2-U	Groundwater		
60	B3-K	STATE B3-K	Groundwater		
61	B3-U	STATE B3-U	Groundwater		
62	B4-K	STATE B4-K	Groundwater		
63	B4-O	STATE B4-O	Groundwater		
64	B4-U	STATE B4-U	Groundwater		
65	B5-K	GNP B5-K	Groundwater		
66	B5-O	GNP B5-O	Groundwater		
67	B5-U	GNP B5-U	Groundwater		
68	B6-K	STATE B6-K	Groundwater		
69	B6-O	STATE B6-O	Groundwater		
70	B6-U	STATE B6-U	Groundwater		
71	B7-KL	STATE B7-KL	Groundwater		
72	B7-KU	STATE B7-KU	Groundwater		
73	B7-O	STATE B7-O	Groundwater		
74	B7-U	STATE B7-U	Groundwater		
75	B8-KL	STATE B8-KL	Groundwater		
76	B8-KU	STATE B8-KU	Groundwater		
77	B8-O	STATE B8-O	Groundwater		
78	B8-U	STATE B8-U	Groundwater		
79	B9-K	STATE B9-K	Groundwater		
80	B9-U	STATE B9-U	Groundwater		
81	B10-KL	B10-KL	Groundwater		
82	B10-KU	B10-KU	Groundwater		
83	B10-O	B10-O	Groundwater		
84	B10-U	B10-U - Well Battery 10 Underburden	Groundwater		
85	B11-K	GNP B11-K	Groundwater		
86	B11-O	GNP B11-O	Groundwater		
87	B11-U	GNP B11-U	Groundwater		
88	C-1	STATE C-1 CLINKER	Groundwater		
89	C-2	C-2 CLINKER	Groundwater		
90	C-3	STATE C-3 CLINKER	Groundwater		
91	C-4	GNP C-4 CLINKER	Groundwater		
110	COAL CREEK SPRING ST	COAL CREEK SPRING AT STOCK TANK 6	Springs, Seeps, & Adits		
107	DI BLANK	DI BLANK	Quality Control		
111	FORTUNE SPRING	FORTUNE SPRING	Springs, Seeps, & Adits		
92	K-1	GNP K-1	Groundwater		
93	K-2	STATE K-2	Groundwater		
94	K-3	STATE K-3	Groundwater		
95	K-4	STATE K-4	Groundwater		
96	K-5	GNP K-5	Groundwater		
97	K-6	STATE K-6	Groundwater		
98	P1	GNP P1 Mine Area Pond Water	POND		
100	P2	GNP P2 Mine Area Pond Water	POND		
101	P3	GNP P3 Downgradient Pond Water	POND		
102	P4	STATE P4 Pond Water Quality Stage	POND		
103	P5	P5 Shorty Creek Resv. Upgradient Pond Water	POND		
105	P6	P6 Pond Water	POND		
109	RINS BLANK	RINS BLANK	Quality Control		
1	SW-1	SW-1 Home Creek	Surface Water		
3	SW-1A	SW-1A	Surface Water		
5	SW-2	SW-2 Otter Crk Dwngradient, upstream of 3 Mi	Surface Water		
7	SW-3	STATE SW-3 3 Mile Creek Near Otter Creek	Surface Water		
9	SW-4	GNP SW-4 Trib To 3 Mile	Surface Water		
11	SW-6	GNP SW-6 Trib To 3 Mile	Surface Water		
13	SW-7	GNP SW-7 Trib To 3 Mile	Surface Water		

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9	OCC-1304-202	3040428003	04/25/2013	SW-4
13	OCC-1304-203	3040428004	04/25/2013	SW-7
11	OCC-1304-204	3040428005	04/25/2013	SW-6
21	OCC-1304-205	3040428006	04/25/2013	SW-11
23	OCC-1304-206	3040428007	04/25/2013	SW-12
19	OCC-1304-207	3040428008	04/25/2013	SW-10
17	OCC-1304-208	3040428009	04/25/2013	SW-9
25	OCC-1304-209	3040428010	04/25/2013	SW-13
27	OCC-1304-210	3040428011	04/26/2013	SW-14
33	OCC-1304-211	3040428012	04/26/2013	SW-18
36	OCC-1304-212	3040428013	04/26/2013	SW-20
113	OCC-1304-213		04/25/2013	SW-25
15	OCC-1304-214		04/25/2013	SW-8
102	OCC-1304-215		04/25/2013	P4
35	OCC-1304-216		04/26/2013	SW-19
41	OCC-1304-217		04/29/2013	SW-23
39	OCC-1304-218		04/29/2013	SW-22
73	OCC-1305-100	3050214001	05/06/2013	B7-O
72	OCC-1305-101	3050214002	05/06/2013	B7-KU
71	OCC-1305-102	3050214003	05/06/2013	B7-KL
75	OCC-1305-103	3050214004	05/06/2013	B8-KL
78	OCC-1305-104	3050214005	05/06/2013	B8-U
76	OCC-1305-105	3050214006	05/06/2013	B8-KU
77	OCC-1305-106	3050214007	05/06/2013	B8-O
74	OCC-1305-107	3050214008	05/07/2013	B7-U
85	OCC-1305-108	3050214009	05/07/2013	B11-K
86	OCC-1305-109	3050214010	05/07/2013	B11-O
87	OCC-1305-110	3050214011	05/07/2013	B11-U
62	OCC-1305-111	3050214012	05/07/2013	B4-K
69	OCC-1305-112	3050214013	05/08/2013	B6-O
70	OCC-1305-113	3050214014	05/08/2013	B6-U
68	OCC-1305-114	3050214015	05/08/2013	B6-K
68	OCC-1305-115	3050214016	05/08/2013	B6-K
65	OCC-1305-116	3050214017	05/08/2013	B5-K
67	OCC-1305-117	3050214018	05/08/2013	B5-U
63	OCC-1305-118	3050214019	05/08/2013	B4-O
64	OCC-1305-119	3050214020	05/08/2013	B4-U
107	OCC-1305-120	3050214021	05/08/2013	DI BLANK
61	OCC-1305-121	3050214022	05/08/2013	B3-U
60	OCC-1305-122	3050214023	05/08/2013	B3-K
83	OCC-1305-123	3050214024	05/09/2013	B10-O
84	OCC-1305-124	3050214025	05/09/2013	B10-U
82	OCC-1305-125	3050214026	05/09/2013	B10-KU
81	OCC-1305-126	3050214027	05/09/2013	B10-KL
79	OCC-1305-127	3050214028	05/09/2013	B9-K
80	OCC-1305-128	3050214029	05/09/2013	B9-U
66	OCC-1305-129	3050214030	05/09/2013	B5-O
57	OCC-1305-130	3050214031	05/09/2013	B2-K
109	OCC-1305-131	3050214032	05/09/2013	RINS BLANK
59	OCC-1305-132	3050214033	05/09/2013	B2-U
49	OCC-1305-133	3050294001	05/14/2013	A7
97	OCC-1305-134	3050294002	05/14/2013	K-6
93	OCC-1305-135	3050294003	05/14/2013	K-2
95	OCC-1305-136	3050294004	05/14/2013	K-4
94	OCC-1305-137	3050294005	05/14/2013	K-3
46	OCC-1305-138	3050294006	05/14/2013	A4
45	OCC-1305-139	3050294007	05/14/2013	A3
92	OCC-1305-140	3050294008	05/14/2013	K-1
96	OCC-1305-141	3050294009	05/14/2013	K-5
91	OCC-1305-142	3050294010	05/14/2013	C-4
52	OCC-1305-143	3050294012	05/14/2013	AVF3-2
53	OCC-1305-144	3050294013	05/15/2013	AVF5-1
56	OCC-1305-145	3050294014	05/15/2013	B1-U
50	OCC-1305-146	3050294015	05/15/2013	AVF1-2
51	OCC-1305-147	3050294016	05/15/2013	AVF2-2
89	OCC-1305-148	3050294017	05/15/2013	C-2
54	OCC-1305-149	3050294018	05/15/2013	AVF6-3
90	OCC-1305-150	3050294019	05/15/2013	C-3

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113		OCC-1304-213	04/25/2013	SW-25
35		OCC-1304-216	04/26/2013	SW-19
39		OCC-1304-218	04/29/2013	SW-22
41		OCC-1304-217	04/29/2013	SW-23
88		OCC-1305-158	05/08/2013	C-1
58		OCC-1305-159	05/09/2013	B2-O
110		OCC-1305-207	05/14/2013	COAL CREEK SPRING ST
1		OCC-1305-210	05/15/2013	SW-1
7		OCC-1305-211	05/15/2013	SW-3
17		OCC-1305-215	05/15/2013	SW-9
19		OCC-1305-216	05/15/2013	SW-10
21		OCC-1305-214	05/15/2013	SW-11
23		OCC-1305-213	05/15/2013	SW-12
25		OCC-1305-212	05/15/2013	SW-13
36		OCC-1305-208	05/15/2013	SW-20
43		OCC-1305-209	05/15/2013	SW-24
55		OCC-1305-157	05/15/2013	B1-C
100		OCC-1305-204	05/15/2013	P2
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102		OCC-1305-206	05/15/2013	P4
13		OCC-1306-116	06/14/2013	SW-7
27		OCC-1306-117	06/20/2013	SW-14
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38		OCC-1306-119	06/20/2013	SW-21
1	3040428001	OCC-1304-200	04/25/2013	SW-1
7	3040428002	OCC-1304-201	04/25/2013	SW-3
9	3040428003	OCC-1304-202	04/25/2013	SW-4
13	3040428004	OCC-1304-203	04/25/2013	SW-7
11	3040428005	OCC-1304-204	04/25/2013	SW-6
21	3040428006	OCC-1304-205	04/25/2013	SW-11
23	3040428007	OCC-1304-206	04/25/2013	SW-12
19	3040428008	OCC-1304-207	04/25/2013	SW-10
17	3040428009	OCC-1304-208	04/25/2013	SW-9
25	3040428010	OCC-1304-209	04/25/2013	SW-13
27	3040428011	OCC-1304-210	04/26/2013	SW-14
33	3040428012	OCC-1304-211	04/26/2013	SW-18
36	3040428013	OCC-1304-212	04/26/2013	SW-20
73	3050214001	OCC-1305-100	05/06/2013	B7-O
72	3050214002	OCC-1305-101	05/06/2013	B7-KU
71	3050214003	OCC-1305-102	05/06/2013	B7-KL
75	3050214004	OCC-1305-103	05/06/2013	B8-KL
78	3050214005	OCC-1305-104	05/06/2013	B8-U
76	3050214006	OCC-1305-105	05/06/2013	B8-KU
77	3050214007	OCC-1305-106	05/06/2013	B8-O
74	3050214008	OCC-1305-107	05/07/2013	B7-U
85	3050214009	OCC-1305-108	05/07/2013	B11-K
86	3050214010	OCC-1305-109	05/07/2013	B11-O
87	3050214011	OCC-1305-110	05/07/2013	B11-U
62	3050214012	OCC-1305-111	05/07/2013	B4-K
69	3050214013	OCC-1305-112	05/08/2013	B6-O
70	3050214014	OCC-1305-113	05/08/2013	B6-U
68	3050214015	OCC-1305-114	05/08/2013	B6-K
68	3050214016	OCC-1305-115	05/08/2013	B6-K
65	3050214017	OCC-1305-116	05/08/2013	B5-K
67	3050214018	OCC-1305-117	05/08/2013	B5-U
63	3050214019	OCC-1305-118	05/08/2013	B4-O
64	3050214020	OCC-1305-119	05/08/2013	B4-U
107	3050214021	OCC-1305-120	05/08/2013	DI BLANK
61	3050214022	OCC-1305-121	05/08/2013	B3-U
60	3050214023	OCC-1305-122	05/08/2013	B3-K
83	3050214024	OCC-1305-123	05/09/2013	B10-O
84	3050214025	OCC-1305-124	05/09/2013	B10-U
82	3050214026	OCC-1305-125	05/09/2013	B10-KU
81	3050214027	OCC-1305-126	05/09/2013	B10-KL
79	3050214028	OCC-1305-127	05/09/2013	B9-K
80	3050214029	OCC-1305-128	05/09/2013	B9-U
66	3050214030	OCC-1305-129	05/09/2013	B5-O
57	3050214031	OCC-1305-130	05/09/2013	B2-K

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17	SW-9	STATE SW-9 Trib To 3 Mile North Slope	Surface Water		
19	SW-10	STATE SW-10 Trib to 3 Mile North Slope	Surface Water		
21	SW-11	STATE SW-11 Upgradient tributary to 3 Mile Cr	Surface Water		
23	SW-12	STATE SW-12 Upgradient tributary to 3 Mile Cr	Surface Water		
25	SW-13	STATE SW-13 Downstream of Pond P1, mine area,	Surface Water		
27	SW-14	GNP SW-14 Downstream of Prop. mine area, SW13	Surface Water		
29	SW-16	GNP SW-16 Otter Creek Adj to proposed mine si	Surface Water		
31	SW-17	STATE SW-17 Downstream of Prop. mine area, SW	Surface Water		
33	SW-18	STATE SW-18 Downstream of Prop. mine area, SW	Surface Water		
35	SW-19	STATE SW-19 Downstream of Prop. mine area, SW	Surface Water		
36	SW-20	STATE SW-20 Upgradient in Undisturbed Drainag	Surface Water		
38	SW-21	GNP SW-21 Similar Charact. and area to SW19,	Surface Water		
39	SW-22	SW-22 Otter Creek Upstream	Surface Water		
41	SW-23	SW-23 Ten Mile Creek Below County Road Crossi	Surface Water		
43	SW-24	SW-24 Home Creek Overflow	Surface Water		
113	SW-25	SW-25 Otter Creek below 3 Mile Creek	Surface Water		

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107	OCC-1305-153	3050294022	05/16/2013	DI BLANK
109	OCC-1305-154	3050294023	05/16/2013	RINS BLANK
48	OCC-1305-155	3050294024	05/16/2013	A6
48	OCC-1305-156	3050294025	05/16/2013	A6
55	OCC-1305-157		05/15/2013	B1-C
88	OCC-1305-158		05/08/2013	C-1
58	OCC-1305-159		05/09/2013	B2-O
98	OCC-1305-200	3050294026	05/15/2013	P1
103	OCC-1305-201	3050294027	05/15/2013	P5
111	OCC-1305-202	3050294028	05/16/2013	FORTUNE SPRING
105	OCC-1305-203	3050294029	05/16/2013	P6
100	OCC-1305-204		05/15/2013	P2
101	OCC-1305-205		05/15/2013	P3
102	OCC-1305-206		05/15/2013	P4
110	OCC-1305-207		05/14/2013	COAL CREEK SPRING ST
36	OCC-1305-208		05/15/2013	SW-20
43	OCC-1305-209		05/15/2013	SW-24
1	OCC-1305-210		05/15/2013	SW-1
7	OCC-1305-211		05/15/2013	SW-3
25	OCC-1305-212		05/15/2013	SW-13
23	OCC-1305-213		05/15/2013	SW-12
21	OCC-1305-214		05/15/2013	SW-11
17	OCC-1305-215		05/15/2013	SW-9
19	OCC-1305-216		05/15/2013	SW-10
1	OCC-1306-100	3060240001	06/13/2013	SW-1
3	OCC-1306-101	3060240002	06/13/2013	SW-1A
31	OCC-1306-102	3060240003	06/13/2013	SW-17
7	OCC-1306-103	3060240004	06/13/2013	SW-3
9	OCC-1306-104	3060240005	06/14/2013	SW-4
11	OCC-1306-105	3060240006	06/14/2013	SW-6
19	OCC-1306-106	3060240007	06/14/2013	SW-10
17	OCC-1306-107	3060240008	06/14/2013	SW-9
21	OCC-1306-108	3060240009	06/14/2013	SW-11
23	OCC-1306-109	3060353006	06/20/2013	SW-12
23	OCC-1306-110	3060353001	06/20/2013	SW-12
15	OCC-1306-111	3060353002	06/20/2013	SW-8
25	OCC-1306-112	3060353003	06/20/2013	SW-13
36	OCC-1306-113	3060353004	06/20/2013	SW-20
33	OCC-1306-114	3060353005	06/20/2013	SW-18
107	OCC-1306-115	3060353007	06/21/2013	DI BLANK
13	OCC-1306-116		06/14/2013	SW-7
27	OCC-1306-117		06/20/2013	SW-14
35	OCC-1306-118		06/20/2013	SW-19
38	OCC-1306-119		06/20/2013	SW-21
113	OCC-1306-150	3060241001	06/13/2013	SW-25
5	OCC-1306-151	3060241002	06/13/2013	SW-2
29	OCC-1306-152	3060241003	06/14/2013	SW-16
41	OCC-1306-153	3060241004	06/14/2013	SW-23
39	OCC-1306-154	3060241005	06/14/2013	SW-22

+---------- LAB NUMBER ORDER ----------+

Page	Lab ##	Sample Number	Date	Site Code
109	3050214032	OCC-1305-131	05/09/2013	RINS BLANK
59	3050214033	OCC-1305-132	05/09/2013	B2-U
49	3050294001	OCC-1305-133	05/14/2013	A7
97	3050294002	OCC-1305-134	05/14/2013	K-6
93	3050294003	OCC-1305-135	05/14/2013	K-2
95	3050294004	OCC-1305-136	05/14/2013	K-4
94	3050294005	OCC-1305-137	05/14/2013	K-3
46	3050294006	OCC-1305-138	05/14/2013	A4
45	3050294007	OCC-1305-139	05/14/2013	A3
92	3050294008	OCC-1305-140	05/14/2013	K-1
96	3050294009	OCC-1305-141	05/14/2013	K-5
91	3050294010	OCC-1305-142	05/14/2013	C-4
52	3050294012	OCC-1305-143	05/14/2013	AVF3-2
53	3050294013	OCC-1305-144	05/15/2013	AVF5-1
56	3050294014	OCC-1305-145	05/15/2013	B1-U
50	3050294015	OCC-1305-146	05/15/2013	AVF1-2
51	3050294016	OCC-1305-147	05/15/2013	AVF2-2
89	3050294017	OCC-1305-148	05/15/2013	C-2
54	3050294018	OCC-1305-149	05/15/2013	AVF6-3
90	3050294019	OCC-1305-150	05/15/2013	C-3
47	3050294020	OCC-1305-151	05/15/2013	A5
44	3050294021	OCC-1305-152	05/16/2013	A1
107	3050294022	OCC-1305-153	05/16/2013	DI BLANK
109	3050294023	OCC-1305-154	05/16/2013	RINS BLANK
48	3050294024	OCC-1305-155	05/16/2013	A6
48	3050294025	OCC-1305-156	05/16/2013	A6
98	3050294026	OCC-1305-200	05/15/2013	P1
103	3050294027	OCC-1305-201	05/15/2013	P5
111	3050294028	OCC-1305-202	05/16/2013	FORTUNE SPRING
105	3050294029	OCC-1305-203	05/16/2013	P6
1	3060240001	OCC-1306-100	06/13/2013	SW-1
3	3060240002	OCC-1306-101	06/13/2013	SW-1A
31	3060240003	OCC-1306-102	06/13/2013	SW-17
7	3060240004	OCC-1306-103	06/13/2013	SW-3
9	3060240005	OCC-1306-104	06/14/2013	SW-4
11	3060240006	OCC-1306-105	06/14/2013	SW-6
19	3060240007	OCC-1306-106	06/14/2013	SW-10
17	3060240008	OCC-1306-107	06/14/2013	SW-9
21	3060240009	OCC-1306-108	06/14/2013	SW-11
113	3060241001	OCC-1306-150	06/13/2013	SW-25
5	3060241002	OCC-1306-151	06/13/2013	SW-2
29	3060241003	OCC-1306-152	06/14/2013	SW-16
41	3060241004	OCC-1306-153	06/14/2013	SW-23
39	3060241005	OCC-1306-154	06/14/2013	SW-22
23	3060353001	OCC-1306-110	06/20/2013	SW-12
15	3060353002	OCC-1306-111	06/20/2013	SW-8
25	3060353003	OCC-1306-112	06/20/2013	SW-13
36	3060353004	OCC-1306-113	06/20/2013	SW-20
33	3060353005	OCC-1306-114	06/20/2013	SW-18
23	3060353006	OCC-1306-109	06/20/2013	SW-12
107	3060353007	OCC-1306-115	06/21/2013	DI BLANK

Sample Type: Surface Water

SITE CODE	SW-1	SW-1	SW-1
SAMPLE DATE	04/25/2013	05/15/2013	06/13/2013
SAMPLE TIME	09:35	07:15	14:30
LAB	EL	HYDRO	EL
LAB NUMBER	3040428001		3060240001
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-200	OCC-1305-210	OCC-1306-100
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	6.0		NO MEAS
PH	6.4		7.4
SODIUM ADSORPTION RATIO	0.15		0.05
SC (UMHOS/CM AT 25 C)	157.0		171.0
SC (UMHOS/CM AT 25 C) (FLD)	186.0		335.0
TDS (MEASURED AT 180 C)	163.0		167.0
TOTAL SUSPENDED SOLIDS	19.0		55.0
TURBIDITY (NTU)	12.2		140.0
	H		
WATER TEMPERATURE (FLD)	12.2		NO MEAS
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	12.0		11.0
CALCIUM (CA) TRC	14.0		50.0
MAGNESIUM (MG) DIS	5.0		2.0
MAGNESIUM (MG) TRC	5.0		25.0
SODIUM (NA) DIS	2.0		<1.0
SODIUM (NA) TRC	2.0		8.0
POTASSIUM (K) DIS	14.0		4.0
POTASSIUM (K) TRC	8.0		17.0
TOTAL ALKALINITY AS CACO3	61.0		46.0
BICARBONATE (HCO3)	74.0		56.0
CARBONATE AS CO3	<1.0		<1.0
SULFATE (SO4)	6.0		2.0
CHLORIDE (CL)	4.0		<1.0
FLUORIDE (F)	0.6		<0.1
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.04		0.19
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	0.2		0.3
ALUMINUM (AL) TRC	0.4		43.2
ARSENIC (AS) DIS	<0.003		<0.003
ARSENIC (AS) TRC	<0.003		0.029
BARIUM (BA) DIS	0.043		0.042
BARIUM (BA) TRC	0.044		0.632
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		0.002
BORON (B) DIS	0.07		0.03
BORON (B) TRC	0.04		0.1
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	<0.0001		0.001
CHROMIUM (CR) DIS	<0.001		<0.001
CHROMIUM (CR) TRC	0.001		0.073
COPPER (CU) DIS	0.004		0.001
COPPER (CU) TRC	0.006		0.07
IRON (FE) DIS	0.35		0.29
IRON (FE) TRC	0.7		62.8
LEAD (PB) DIS	<0.0005		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1	SW-1	SW-1
SAMPLE DATE	04/25/2013	05/15/2013	06/13/2013
SAMPLE TIME	09:35	07:15	14:30
LAB	EL	HYDRO	EL
LAB NUMBER	3040428001		3060240001
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-200	OCC-1305-210	OCC-1306-100
-- METALS & MINOR CONSTITUENTS --			
LEAD (PB) TRC	0.0008		0.0448
MANGANESE (MN) DIS	0.069		0.082
MANGANESE (MN) TRC	0.057		1.48
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		0.00017
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	<0.01		0.07
SELENIUM (SE) DIS	<0.001		<0.001
SELENIUM (SE) TRC	<0.001		0.001
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		0.1
ZINC (ZN) DIS	0.11		<0.01
ZINC (ZN) TRC	0.26		0.33

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	06/13/2013
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	3060240002
SAMPLE NUMBER	OCC-1306-101
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.82
PH	8.2
SODIUM ADSORPTION RATIO	8.54
SC (UMHOS/CM AT 25 C)	5380.0
SC (UMHOS/CM AT 25 C) (FLD)	6000.0
TDS (MEASURED AT 180 C)	4280.0
TOTAL SUSPENDED SOLIDS	24.0
TURBIDITY (NTU)	6.5
WATER TEMPERATURE (FLD)	23.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	136.0
CALCIUM (CA) TRC	139.0
MAGNESIUM (MG) DIS	323.0
MAGNESIUM (MG) TRC	312.0
SODIUM (NA) DIS	802.0
SODIUM (NA) TRC	823.0
POTASSIUM (K) DIS	27.0
POTASSIUM (K) TRC	26.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	33.0
SULFATE (SO4)	2800.0
FLUORIDE (F)	1.1
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	0.005
ARSENIC (AS) TRC	0.005
BARIUM (BA) DIS	0.1
BARIUM (BA) TRC	0.104
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	1.0
BORON (B) TRC	1.02
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	0.17
IRON (FE) TRC	0.57
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.908
MANGANESE (MN) TRC	0.947
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	06/13/2013
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	3060240002
SAMPLE NUMBER	OCC-1306-101

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	06/13/2013
SAMPLE TIME	18:00
LAB	EL
LAB NUMBER	3060241002
SAMPLE NUMBER	OCC-1306-151

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.3
PH	8.5
SODIUM ADSORPTION RATIO	5.6
SC (UMHOS/CM AT 25 C)	3640.0
SC (UMHOS/CM AT 25 C) (FLD)	3399.0
TDS (MEASURED AT 180 C)	2920.0
TOTAL SUSPENDED SOLIDS	104.0
TURBIDITY (NTU)	63.7
WATER TEMPERATURE (FLD)	23.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	97.0
CALCIUM (CA) TRC	101.0
MAGNESIUM (MG) DIS	245.0
MAGNESIUM (MG) TRC	240.0
SODIUM (NA) DIS	456.0
SODIUM (NA) TRC	481.0
POTASSIUM (K) DIS	19.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	45.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	1.9
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.041
BARIUM (BA) TRC	0.061
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.45
BORON (B) TRC	0.47
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.003
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.003
IRON (FE) DIS	<0.05
IRON (FE) TRC	2.19
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0018
MANGANESE (MN) DIS	0.037
MANGANESE (MN) TRC	0.088

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	06/13/2013
SAMPLE TIME	18:00
LAB	EL
LAB NUMBER	3060241002
SAMPLE NUMBER	OCC-1306-151

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3	SW-3
SAMPLE DATE	04/25/2013	05/15/2013	06/13/2013
SAMPLE TIME	13:15	12:33	16:45
LAB	EL	HYDRO	EL
LAB NUMBER	3040428002		3060240004
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-201	OCC-1305-211	OCC-1306-103
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	6.0		7.47
PH	6.4		7.0
SODIUM ADSORPTION RATIO	0.28		0.56
SC (UMHOS/CM AT 25 C)	388.0		281.0
SC (UMHOS/CM AT 25 C) (FLD)	430.0		397.0
TDS (MEASURED AT 180 C)	381.0		240.0
TOTAL SUSPENDED SOLIDS	136.0		2960.0
TURBIDITY (NTU)	41.2		1790.0
	H		
WATER TEMPERATURE (FLD)	6.8		16.7
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	41.0		24.0
CALCIUM (CA) TRC	92.0		59.0
MAGNESIUM (MG) DIS	14.0		10.0
MAGNESIUM (MG) TRC	38.0		32.0
SODIUM (NA) DIS	8.0		13.0
SODIUM (NA) TRC	14.0		11.0
POTASSIUM (K) DIS	20.0		10.0
POTASSIUM (K) TRC	31.0		20.0
TOTAL ALKALINITY AS CACO3	140.0		120.0
BICARBONATE (HCO3)	180.0		150.0
CARBONATE AS CO3	<1.0		<1.0
SULFATE (SO4)	35.0		23.0
CHLORIDE (CL)	3.0		2.0
FLUORIDE (F)	<0.1		0.1
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.05		0.07
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	0.1		0.2
ALUMINUM (AL) TRC	12.6		37.1
ARSENIC (AS) DIS	0.004		0.005
ARSENIC (AS) TRC	0.019		0.023
BARIUM (BA) DIS	0.105		0.073
BARIUM (BA) TRC	0.3		0.576
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		0.002
BORON (B) DIS	0.17		0.11
BORON (B) TRC	0.19		0.21
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	0.0006		0.0011
CHROMIUM (CR) DIS	<0.001		<0.001
CHROMIUM (CR) TRC	0.023		0.068
COPPER (CU) DIS	0.004		0.003
COPPER (CU) TRC	0.034		0.07
IRON (FE) DIS	6.37		4.66
IRON (FE) TRC	34.9		61.0
LEAD (PB) DIS	0.0006		0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3	SW-3
SAMPLE DATE	04/25/2013	05/15/2013	06/13/2013
SAMPLE TIME	13:15	12:33	16:45
LAB	EL	HYDRO	EL
LAB NUMBER	3040428002		3060240004
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-201	OCC-1305-211	OCC-1306-103
-- METALS & MINOR CONSTITUENTS --			
LEAD (PB) TRC	0.0184		0.045
MANGANESE (MN) DIS	0.635		0.555
MANGANESE (MN) TRC	1.5		1.43
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	0.00007		<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	0.01		<0.01
NICKEL (NI) TRC	0.03		0.07
SELENIUM (SE) DIS	<0.001		<0.001
SELENIUM (SE) TRC	<0.002		0.002
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		0.1
ZINC (ZN) DIS	0.08		0.01
ZINC (ZN) TRC	0.2		0.42

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	14:30	08:45
LAB	EL	EL
LAB NUMBER	3040428003	3060240005
SAMPLE NUMBER	OCC-1304-202	OCC-1306-104
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)	6.3	7.54
PH	7.5	7.3
SODIUM ADSORPTION RATIO	0.12	0.25
SC (UMHOS/CM AT 25 C)	257.0	245.0
SC (UMHOS/CM AT 25 C) (FLD)	302.0	558.0
TDS (MEASURED AT 180 C)	154.0	152.0
TOTAL SUSPENDED SOLIDS	312.0	294.0
TURBIDITY (NTU)	26.3	300.0
	H	
WATER TEMPERATURE (FLD)	10.0	18.6
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	25.0	34.0
CALCIUM (CA) TRC	34.0	99.0
MAGNESIUM (MG) DIS	6.0	6.0
MAGNESIUM (MG) TRC	8.0	40.0
SODIUM (NA) DIS	3.0	6.0
SODIUM (NA) TRC	3.0	29.0
POTASSIUM (K) DIS	9.0	5.0
POTASSIUM (K) TRC	9.0	18.0
TOTAL ALKALINITY AS CACO3	96.0	130.0
BICARBONATE (HCO3)	120.0	150.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	13.0	7.0
CHLORIDE (CL)	3.0	<1.0
FLUORIDE (F)	0.1	0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N	2.26	1.84
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.4	51.7
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	0.025
BARIUM (BA) DIS	0.089	0.099
BARIUM (BA) TRC	0.108	0.82
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	0.003
BORON (B) DIS	0.02	0.03
BORON (B) TRC	0.02	0.1
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	0.0011
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	0.109
COPPER (CU) DIS	0.004	0.002
COPPER (CU) TRC	0.005	0.099
IRON (FE) DIS	0.1	0.42
IRON (FE) TRC	0.89	87.6
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	0.0005	0.059

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4	SW-4
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	14:30	08:45
LAB	EL	EL
LAB NUMBER	3040428003	3060240005
SAMPLE NUMBER	OCC-1304-202	OCC-1306-104
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) DIS	0.104	0.114
MANGANESE (MN) TRC	0.016	1.74
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	0.00007
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	0.1
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	0.002
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	0.1
ZINC (ZN) DIS	0.01	<0.01
ZINC (ZN) TRC	<0.01	0.4

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	15:35	09:45
LAB	EL	EL
LAB NUMBER	3040428005	3060240006
SAMPLE NUMBER	OCC-1304-204	OCC-1306-105
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)	6.8	7.3
PH	6.7	7.1
SODIUM ADSORPTION RATIO	0.07	0.2
SC (UMHOS/CM AT 25 C)	156.0	259.0
SC (UMHOS/CM AT 25 C) (FLD)	167.0	283.0
TDS (MEASURED AT 180 C)	92.0	142.0
TOTAL SUSPENDED SOLIDS	25.0	734.0
TURBIDITY (NTU)	8.7	732.0
	H	
WATER TEMPERATURE (FLD)	10.0	18.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	34.0	20.0
CALCIUM (CA) TRC	15.0	30.0
MAGNESIUM (MG) DIS	7.0	6.0
MAGNESIUM (MG) TRC	5.0	12.0
SODIUM (NA) DIS	2.0	4.0
SODIUM (NA) TRC	2.0	4.0
POTASSIUM (K) DIS	11.0	10.0
POTASSIUM (K) TRC	9.0	12.0
TOTAL ALKALINITY AS CACO3	110.0	110.0
	H	
BICARBONATE (HCO3)	140.0	140.0
	H	
CARBONATE AS CO3	<1.0	<1.0
	H	
SULFATE (SO4)	2.0	16.0
CHLORIDE (CL)	2.0	<1.0
FLUORIDE (F)	<0.1	0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N	3.72	0.06
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	0.3
ALUMINUM (AL) TRC	0.8	13.0
ARSENIC (AS) DIS	<0.003	0.004
ARSENIC (AS) TRC	<0.003	0.01
BARIUM (BA) DIS	0.134	0.088
BARIUM (BA) TRC	0.049	0.238
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.02	0.04
BORON (B) TRC	0.02	0.04
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	0.00037
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	0.031

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6	SW-6
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	15:35	09:45
LAB	EL	EL
LAB NUMBER	3040428005	3060240006
SAMPLE NUMBER	OCC-1304-204	OCC-1306-105
-- METALS & MINOR CONSTITUENTS --		
COPPER (CU) DIS	0.006	0.001
COPPER (CU) TRC	0.003	0.026
IRON (FE) DIS	0.12	2.54
IRON (FE) TRC	0.34	21.4
LEAD (PB) DIS	<0.0005	0.0006
LEAD (PB) TRC	<0.0005	0.0151
MANGANESE (MN) DIS	0.01	0.542
MANGANESE (MN) TRC	0.041	0.853
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	0.00007
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	0.03
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	0.02
ZINC (ZN) TRC	0.02	0.17

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7	SW-7
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	15:15	10:25
LAB	EL	HYDRO
LAB NUMBER	3040428004	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1304-203	OCC-1306-116
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)	6.9	
PH	6.8	
SODIUM ADSORPTION RATIO	0.07	
SC (UMHOS/CM AT 25 C)	155.0	
SC (UMHOS/CM AT 25 C) (FLD)	174.0	
TDS (MEASURED AT 180 C)	161.0	
TOTAL SUSPENDED SOLIDS	54.0	
TURBIDITY (NTU)	29.0	
	H	
WATER TEMPERATURE (FLD)	10.0	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	17.0	
CALCIUM (CA) TRC	18.0	
MAGNESIUM (MG) DIS	4.0	
MAGNESIUM (MG) TRC	5.0	
SODIUM (NA) DIS	1.0	
SODIUM (NA) TRC	1.0	
POTASSIUM (K) DIS	12.0	
POTASSIUM (K) TRC	13.0	
TOTAL ALKALINITY AS CACO3	71.0	
BICARBONATE (HCO3)	87.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	3.0	
CHLORIDE (CL)	2.0	
FLUORIDE (F)	<0.1	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.09	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	0.3	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.051	
BARIUM (BA) TRC	0.053	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.02	
BORON (B) TRC	0.03	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	0.003	
COPPER (CU) TRC	0.004	
IRON (FE) DIS	0.13	
IRON (FE) TRC	0.54	
LEAD (PB) DIS	<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7	SW-7
SAMPLE DATE	04/25/2013	06/14/2013
SAMPLE TIME	15:15	10:25
LAB	EL	HYDRO
LAB NUMBER	3040428004	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1304-203	OCC-1306-116

-- METALS & MINOR CONSTITUENTS --

LEAD (PB)	TRC	0.0005
MANGANESE (MN)	DIS	0.019
MANGANESE (MN)	TRC	0.027
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	<0.005
MOLYBDENUM (MO)	TRC	<0.005
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	0.03
ZINC (ZN)	TRC	0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8
SAMPLE DATE	04/25/2013	06/20/2013
SAMPLE TIME	17:30	12:25
LAB	HYDRO	EL
LAB NUMBER		3060353002
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-214	OCC-1306-111
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)		7.8
PH		7.9
SODIUM ADSORPTION RATIO		3.58
SC (UMHOS/CM AT 25 C)		2850.0
SC (UMHOS/CM AT 25 C) (FLD)		2960.0
TOTAL SUSPENDED SOLIDS		16.0
		J4D
TURBIDITY (NTU)		2.5
		J4D
WATER TEMPERATURE (FLD)		22.2
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		244.0
CALCIUM (CA) TRC		248.0
MAGNESIUM (MG) DIS		133.0
MAGNESIUM (MG) TRC		130.0
SODIUM (NA) DIS		280.0
SODIUM (NA) TRC		300.0
POTASSIUM (K) DIS		11.0
POTASSIUM (K) TRC		12.0
TOTAL ALKALINITY AS CACO3		480.0
BICARBONATE (HCO3)		590.0
CARBONATE AS CO3		<1.0
		UJ4D
SULFATE (SO4)		1200.0
CHLORIDE (CL)		7.0
FLUORIDE (F)		0.3
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
		UJ4D
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.069
BARIUM (BA) TRC		0.071
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.11
BORON (B) TRC		0.12
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8	SW-8
SAMPLE DATE	04/25/2013	06/20/2013
SAMPLE TIME	17:30	12:25
LAB	HYDRO	EL
LAB NUMBER		3060353002
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-214	OCC-1306-111
-- METALS & MINOR CONSTITUENTS --		
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		<0.001
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.19
		J4D
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		<0.0005
MANGANESE (MN) DIS		0.312
MANGANESE (MN) TRC		0.32
		J4D
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9	SW-9
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	18:40	16:40	11:00
LAB	EL	HYDRO	EL
LAB NUMBER	3040428009		3060240008
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-208	OCC-1305-215	OCC-1306-107
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	7.9		8.06
PH	7.1		8.2
SODIUM ADSORPTION RATIO	7.62		8.48
SC (UMHOS/CM AT 25 C)	1220.0		6790.0
SC (UMHOS/CM AT 25 C) (FLD)	2520.0		7520.0
TDS (MEASURED AT 180 C)	868.0		6330.0
TOTAL SUSPENDED SOLIDS	164.0		60.0
TURBIDITY (NTU)	52.1		2.9
	H		
WATER TEMPERATURE (FLD)	7.4		23.4
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	100.0		314.0
CALCIUM (CA) TRC	74.0		326.0
MAGNESIUM (MG) DIS	59.0		398.0
MAGNESIUM (MG) TRC	44.0		381.0
SODIUM (NA) DIS	389.0		959.0
SODIUM (NA) TRC	131.0		971.0
POTASSIUM (K) DIS	13.0		18.0
POTASSIUM (K) TRC	16.0		19.0
TOTAL ALKALINITY AS CACO3	97.0		450.0
BICARBONATE (HCO3)	120.0		510.0
CARBONATE AS CO3	<1.0		16.0
SULFATE (SO4)	480.0		4400.0
CHLORIDE (CL)	6.0		21.0
FLUORIDE (F)	0.3		0.4
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.45		<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1		<0.1
ALUMINUM (AL) TRC	1.2		<0.1
ARSENIC (AS) DIS	<0.003		<0.003
ARSENIC (AS) TRC	<0.003		<0.003
BARIUM (BA) DIS	0.085		0.063
BARIUM (BA) TRC	0.071		0.064
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001
BORON (B) DIS	0.06		0.4
BORON (B) TRC	0.05		0.38
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	<0.00008		<0.00008
CHROMIUM (CR) DIS	<0.001		<0.001
CHROMIUM (CR) TRC	0.002		<0.001
COPPER (CU) DIS	0.004		0.003
COPPER (CU) TRC	0.01		0.003
IRON (FE) DIS	1.09		<0.05
IRON (FE) TRC	2.52		0.12
LEAD (PB) DIS	<0.0005		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9	SW-9	SW-9
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	18:40	16:40	11:00
LAB	EL	HYDRO	EL
LAB NUMBER	3040428009		3060240008
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-208	OCC-1305-215	OCC-1306-107
-- METALS & MINOR CONSTITUENTS --			
LEAD (PB) TRC	0.0015		<0.0005
MANGANESE (MN) DIS	0.51		0.041
MANGANESE (MN) TRC	0.412		0.046
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	<0.01		<0.01
SELENIUM (SE) DIS	<0.001		0.001
SELENIUM (SE) TRC	<0.001		0.001
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		<0.1
ZINC (ZN) DIS	<0.01		<0.01
ZINC (ZN) TRC	0.06		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10	SW-10
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	18:10	16:50	10:25
LAB	EL	HYDRO	EL
LAB NUMBER	3040428008		3060240007
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-207	OCC-1305-216	OCC-1306-106
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	8.0		7.88
PH	7.0		7.4
SODIUM ADSORPTION RATIO	0.41		0.2
SC (UMHOS/CM AT 25 C)	403.0		318.0
SC (UMHOS/CM AT 25 C) (FLD)	485.0		327.0
TDS (MEASURED AT 180 C)	259.0		188.0
TOTAL SUSPENDED SOLIDS	497.0		175.0
TURBIDITY (NTU)	193.0		187.0
	H		
WATER TEMPERATURE (FLD)	8.0		NO MEAS
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	40.0		34.0
CALCIUM (CA) TRC	39.0		38.0
MAGNESIUM (MG) DIS	12.0		8.0
MAGNESIUM (MG) TRC	14.0		11.0
SODIUM (NA) DIS	11.0		5.0
SODIUM (NA) TRC	11.0		5.0
POTASSIUM (K) DIS	15.0		12.0
POTASSIUM (K) TRC	15.0		14.0
TOTAL ALKALINITY AS CACO3	99.0		120.0
BICARBONATE (HCO3)	120.0		150.0
CARBONATE AS CO3	<1.0		<1.0
SULFATE (SO4)	63.0		32.0
CHLORIDE (CL)	5.0		5.0
FLUORIDE (F)	0.3		0.2
-- NUTRIENTS --			
NITRATE + NITRITE AS N	1.15		0.05
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1		<0.1
ALUMINUM (AL) TRC	0.7		4.7
ARSENIC (AS) DIS	<0.003		<0.003
ARSENIC (AS) TRC	<0.003		0.006
BARIUM (BA) DIS	0.07		0.121
BARIUM (BA) TRC	0.075		0.188
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001
BORON (B) DIS	0.03		0.03
BORON (B) TRC	0.03		0.05
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	<0.00008		0.00013
CHROMIUM (CR) DIS	<0.001		<0.001
CHROMIUM (CR) TRC	0.001		0.009
COPPER (CU) DIS	0.004		<0.001
COPPER (CU) TRC	0.006		0.01
IRON (FE) DIS	0.3		0.71
IRON (FE) TRC	1.18		7.65
LEAD (PB) DIS	<0.0005		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10	SW-10	SW-10
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	18:10	16:50	10:25
LAB	EL	HYDRO	EL
LAB NUMBER	3040428008		3060240007
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-207	OCC-1305-216	OCC-1306-106
-- METALS & MINOR CONSTITUENTS --			
LEAD (PB) TRC	0.0009		0.005
MANGANESE (MN) DIS	0.249		0.878
MANGANESE (MN) TRC	0.206		1.02
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	<0.01		0.01
SELENIUM (SE) DIS	<0.001		<0.001
SELENIUM (SE) TRC	<0.001		<0.001
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		<0.1
ZINC (ZN) DIS	0.03		<0.01
ZINC (ZN) TRC	0.05		0.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11	SW-11
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	16:40	16:15	12:00
LAB	EL	HYDRO	EL
LAB NUMBER	3040428006		3060240009
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-205	OCC-1305-214	OCC-1306-108
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS
PH (FLD)	7.5		8.11
PH	8.1		8.2
SODIUM ADSORPTION RATIO	5.62		5.4
SC (UMHOS/CM AT 25 C)	3450.0		3430.0
SC (UMHOS/CM AT 25 C) (FLD)	3490.0		3800.0
TDS (MEASURED AT 180 C)	2630.0		2700.0
TOTAL SUSPENDED SOLIDS	24.0		12.0
TURBIDITY (NTU)	5.1		6.9
	H		
WATER TEMPERATURE (FLD)	15.8		22.0
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	157.0		163.0
CALCIUM (CA) TRC	161.0		166.0
MAGNESIUM (MG) DIS	182.0		190.0
MAGNESIUM (MG) TRC	204.0		180.0
SODIUM (NA) DIS	436.0		428.0
SODIUM (NA) TRC	452.0		425.0
POTASSIUM (K) DIS	14.0		16.0
POTASSIUM (K) TRC	15.0		16.0
TOTAL ALKALINITY AS CACO3	630.0		640.0
BICARBONATE (HCO3)	720.0		720.0
CARBONATE AS CO3	21.0		32.0
SULFATE (SO4)	1500.0		1600.0
CHLORIDE (CL)	12.0		9.0
FLUORIDE (F)	0.5		0.5
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.06		0.12
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1		<0.1
ALUMINUM (AL) TRC	<0.1		<0.1
ARSENIC (AS) DIS	<0.003		<0.003
ARSENIC (AS) TRC	<0.003		<0.003
BARIUM (BA) DIS	0.023		0.037
BARIUM (BA) TRC	0.026		0.038
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001
BORON (B) DIS	0.31		0.36
BORON (B) TRC	0.35		0.35
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	<0.00008		<0.00008
CHROMIUM (CR) DIS	<0.001		<0.001
CHROMIUM (CR) TRC	<0.001		<0.001
COPPER (CU) DIS	<0.001		<0.001
COPPER (CU) TRC	<0.001		<0.001
IRON (FE) DIS	<0.05		<0.05
IRON (FE) TRC	0.51		0.45
LEAD (PB) DIS	<0.0005		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11	SW-11	SW-11
SAMPLE DATE	04/25/2013	05/15/2013	06/14/2013
SAMPLE TIME	16:40	16:15	12:00
LAB	EL	HYDRO	EL
LAB NUMBER	3040428006		3060240009
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-205	OCC-1305-214	OCC-1306-108
-- METALS & MINOR CONSTITUENTS --			
LEAD (PB) TRC	<0.0005		<0.0005
MANGANESE (MN) DIS	0.201		0.11
MANGANESE (MN) TRC	0.22		0.114
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	<0.01		<0.01
SELENIUM (SE) DIS	0.003		0.002
SELENIUM (SE) TRC	0.002		0.002
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		<0.1
ZINC (ZN) DIS	<0.01		<0.01
ZINC (ZN) TRC	<0.01		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013	06/20/2013
SAMPLE TIME	17:00	16:01	12:10	12:00
LAB	EL	HYDRO	EL	EL
LAB NUMBER	3040428007		3060353006	3060353001
REMARKS		NO SAMPLE	DUPLICATE	
SAMPLE NUMBER	OCC-1304-206	OCC-1305-213	OCC-1306-109	OCC-1306-110
-- PHYSICAL PARAMETERS --				
FLOW (cfs)	NO MEAS	NO MEAS	NO MEAS	NO MEAS
PH (FLD)	7.9			7.9
PH	8.2		8.2	8.1
SODIUM ADSORPTION RATIO	5.53		5.59	5.48
SC (UMHOS/CM AT 25 C)	3450.0		3500.0	3510.0
SC (UMHOS/CM AT 25 C) (FLD)	3610.0			3610.0
TDS (MEASURED AT 180 C)	2590.0		2830.0	2720.0
TOTAL SUSPENDED SOLIDS	18.0		48.0	24.0
				J4D
TURBIDITY (NTU)	5.6		9.0	2.6
	H			J4D
WATER TEMPERATURE (FLD)	18.8			20.6
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	154.0		149.0	154.0
CALCIUM (CA) TRC	158.0		162.0	160.0
MAGNESIUM (MG) DIS	184.0		192.0	204.0
MAGNESIUM (MG) TRC	207.0		197.0	195.0
SODIUM (NA) DIS	430.0		439.0	441.0
SODIUM (NA) TRC	453.0		476.0	465.0
POTASSIUM (K) DIS	14.0		15.0	16.0
POTASSIUM (K) TRC	15.0		17.0	17.0
TOTAL ALKALINITY AS CACO3	610.0		620.0	540.0
BICARBONATE (HCO3)	700.0		720.0	640.0
CARBONATE AS CO3	21.0		19.0	5.0
				J4D
SULFATE (SO4)	1500.0		1500.0	1500.0
CHLORIDE (CL)	12.0		11.0	12.0
FLUORIDE (F)	0.5		0.4	0.4
-- NUTRIENTS --				
NITRATE + NITRITE AS N	0.03		0.02	0.03
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1		<0.1	<0.1
ALUMINUM (AL) TRC	<0.1		0.6	0.3
				J4D
ARSENIC (AS) DIS	<0.003		<0.003	<0.003
ARSENIC (AS) TRC	<0.003		<0.003	0.005
BARIUM (BA) DIS	0.023		0.032	0.031
BARIUM (BA) TRC	0.024		0.039	0.036
BERYLLIUM (BE) DIS	<0.001		<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001		<0.001	<0.001
BORON (B) DIS	0.31		0.39	0.41
BORON (B) TRC	0.32		0.41	0.41
CADMIUM (CD) DIS	<0.00008		<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008		<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001		<0.001	<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12	SW-12	SW-12	SW-12
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013	06/20/2013
SAMPLE TIME	17:00	16:01	12:10	12:00
LAB	EL	HYDRO	EL	EL
LAB NUMBER	3040428007		3060353006	3060353001
REMARKS		NO SAMPLE	DUPLICATE	
SAMPLE NUMBER	OCC-1304-206	OCC-1305-213	OCC-1306-109	OCC-1306-110
-- METALS & MINOR CONSTITUENTS --				
CHROMIUM (CR) TRC	<0.001		0.001	<0.001
COPPER (CU) DIS	<0.001		<0.001	<0.001
COPPER (CU) TRC	<0.001		0.002	0.002
IRON (FE) DIS	<0.05		<0.05	<0.05
IRON (FE) TRC	0.76		0.96	0.48
				J4D
LEAD (PB) DIS	<0.0005		<0.0005	<0.0005
LEAD (PB) TRC	<0.0005		0.0005	<0.0005
MANGANESE (MN) DIS	0.186		0.016	0.016
MANGANESE (MN) TRC	0.248		0.044	0.029
				J4D
MERCURY (HG) DIS	<0.00005		<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005		<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005		<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005	<0.005
NICKEL (NI) DIS	<0.01		<0.01	<0.01
NICKEL (NI) TRC	<0.01		<0.01	<0.01
SELENIUM (SE) DIS	0.003		0.002	0.003
SELENIUM (SE) TRC	0.002		0.002	0.002
VANADIUM (V) DIS	<0.1		<0.1	<0.1
VANADIUM (V) TRC	<0.1		<0.1	<0.1
ZINC (ZN) DIS	<0.01		<0.01	<0.01
ZINC (ZN) TRC	<0.01		<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13	SW-13
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013
SAMPLE TIME	19:30	14:15	13:20
LAB	EL	HYDRO	EL
LAB NUMBER	3040428010		3060353003
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-209	OCC-1305-212	OCC-1306-112
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	8.5		7.8
PH	8.9		7.6
SODIUM ADSORPTION RATIO	21.5		7.31
SC (UMHOS/CM AT 25 C)	8710.0		4650.0
SC (UMHOS/CM AT 25 C) (FLD)	8230.0		9430.0
TDS (MEASURED AT 180 C)	6780.0		3690.0
TOTAL SUSPENDED SOLIDS	110.0		1050.0
			J4D
TURBIDITY (NTU)	8.0		503.0
	H		J4D
WATER TEMPERATURE (FLD)	12.4		27.8
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	142.0		91.0
CALCIUM (CA) TRC	141.0		219.0
MAGNESIUM (MG) DIS	232.0		71.0
MAGNESIUM (MG) TRC	253.0		264.0
SODIUM (NA) DIS	1790.0		384.0
SODIUM (NA) TRC	1810.0		1210.0
POTASSIUM (K) DIS	17.0		11.0
POTASSIUM (K) TRC	17.0		22.0
TOTAL ALKALINITY AS CACO3	430.0		260.0
BICARBONATE (HCO3)	390.0		320.0
CARBONATE AS CO3	63.0		<1.0
			UJ4D
SULFATE (SO4)	4800.0		2500.0
CHLORIDE (CL)	14.0		8.0
FLUORIDE (F)	0.4		0.3
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01		0.1
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1		0.1
ALUMINUM (AL) TRC	0.7		50.6
			J4D
ARSENIC (AS) DIS	<0.003		<0.003
ARSENIC (AS) TRC	<0.003		0.026
BARIUM (BA) DIS	0.074		0.184
BARIUM (BA) TRC	0.081		0.639
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	<0.001		0.003
BORON (B) DIS	0.33		0.19
BORON (B) TRC	0.34		0.52
CADMIUM (CD) DIS	<0.00008		<0.00008
CADMIUM (CD) TRC	<0.00008		0.0011
CHROMIUM (CR) DIS	<0.001		<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13	SW-13	SW-13
SAMPLE DATE	04/25/2013	05/15/2013	06/20/2013
SAMPLE TIME	19:30	14:15	13:20
LAB	EL	HYDRO	EL
LAB NUMBER	3040428010		3060353003
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-209	OCC-1305-212	OCC-1306-112
-- METALS & MINOR CONSTITUENTS --			
CHROMIUM (CR) TRC	0.001		0.064
COPPER (CU) DIS	0.005		0.004
COPPER (CU) TRC	0.006		0.074
IRON (FE) DIS	<0.05		<0.05
IRON (FE) TRC	0.84		53.2
			J4D
LEAD (PB) DIS	<0.0005		<0.0005
LEAD (PB) TRC	0.0007		0.0539
MANGANESE (MN) DIS	0.012		0.299
MANGANESE (MN) TRC	0.028		1.54
			J4D
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	<0.00005		0.00015
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		0.006
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	<0.01		0.09
SELENIUM (SE) DIS	<0.001		<0.001
SELENIUM (SE) TRC	<0.001		0.003
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		0.1
ZINC (ZN) DIS	<0.01		<0.01
ZINC (ZN) TRC	<0.01		0.27

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14
SAMPLE DATE	04/26/2013	06/20/2013
SAMPLE TIME	09:40	16:10
LAB	EL	HYDRO
LAB NUMBER	3040428011	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1304-210	OCC-1306-117
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	DRY
PH (FLD)	8.8	
PH	7.1	
SODIUM ADSORPTION RATIO	0.38	
SC (UMHOS/CM AT 25 C)	205.0	
SC (UMHOS/CM AT 25 C) (FLD)	245.0	
TDS (MEASURED AT 180 C)	163.0	
TOTAL SUSPENDED SOLIDS	117.0	
TURBIDITY (NTU)	52.7	
	H	
WATER TEMPERATURE (FLD)	10.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	20.0	
CALCIUM (CA) TRC	25.0	
MAGNESIUM (MG) DIS	7.0	
MAGNESIUM (MG) TRC	10.0	
SODIUM (NA) DIS	8.0	
SODIUM (NA) TRC	6.0	
POTASSIUM (K) DIS	12.0	
POTASSIUM (K) TRC	14.0	
TOTAL ALKALINITY AS CACO3	89.0	
BICARBONATE (HCO3)	110.0	
CARBONATE AS CO3	<1.0	
SULFATE (SO4)	8.0	
CHLORIDE (CL)	3.0	
FLUORIDE (F)	<0.1	
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.27	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	
ALUMINUM (AL) TRC	1.0	
ARSENIC (AS) DIS	<0.003	
ARSENIC (AS) TRC	<0.003	
BARIUM (BA) DIS	0.071	
BARIUM (BA) TRC	0.098	
BERYLLIUM (BE) DIS	<0.001	
BERYLLIUM (BE) TRC	<0.001	
BORON (B) DIS	0.03	
BORON (B) TRC	0.04	
CADMIUM (CD) DIS	<0.00008	
CADMIUM (CD) TRC	<0.00008	
CHROMIUM (CR) DIS	<0.001	
CHROMIUM (CR) TRC	0.002	
COPPER (CU) DIS	0.004	
COPPER (CU) TRC	0.008	
IRON (FE) DIS	0.38	
IRON (FE) TRC	2.12	
LEAD (PB) DIS	<0.0005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14	SW-14
SAMPLE DATE	04/26/2013	06/20/2013
SAMPLE TIME	09:40	16:10
LAB	EL	HYDRO
LAB NUMBER	3040428011	
REMARKS		NO SAMPLE
SAMPLE NUMBER	OCC-1304-210	OCC-1306-117

-- METALS & MINOR CONSTITUENTS --

LEAD	(PB)	TRC	0.0018
MANGANESE	(MN)	DIS	0.102
MANGANESE	(MN)	TRC	0.202
MERCURY	(HG)	DIS	<0.00005
MERCURY	(HG)	TOT	<0.00005
MOLYBDENUM	(MO)	DIS	<0.005
MOLYBDENUM	(MO)	TRC	<0.005
NICKEL	(NI)	DIS	<0.01
NICKEL	(NI)	TRC	0.01
SELENIUM	(SE)	DIS	<0.001
SELENIUM	(SE)	TRC	<0.001
VANADIUM	(V)	DIS	<0.1
VANADIUM	(V)	TRC	<0.1
ZINC	(ZN)	DIS	0.01
ZINC	(ZN)	TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	06/14/2013
SAMPLE TIME	06:10
LAB	EL
LAB NUMBER	3060241003
SAMPLE NUMBER	OCC-1306-152
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.86
PH	8.4
SODIUM ADSORPTION RATIO	5.65
SC (UMHOS/CM AT 25 C)	3690.0
SC (UMHOS/CM AT 25 C) (FLD)	3720.0
TDS (MEASURED AT 180 C)	2900.0
TOTAL SUSPENDED SOLIDS	36.0
TURBIDITY (NTU)	9.9
WATER TEMPERATURE (FLD)	19.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	99.0
CALCIUM (CA) TRC	100.0
MAGNESIUM (MG) DIS	253.0
MAGNESIUM (MG) TRC	246.0
SODIUM (NA) DIS	466.0
SODIUM (NA) TRC	489.0
POTASSIUM (K) DIS	19.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL)	<0.1
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.031
BARIUM (BA) TRC	0.034
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.48
BORON (B) TRC	0.48
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.37
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.055

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16
SAMPLE DATE	06/14/2013
SAMPLE TIME	06:10
LAB	EL
LAB NUMBER	3060241003
SAMPLE NUMBER	OCC-1306-152

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC	0.076
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	06/13/2013
SAMPLE TIME	18:20
LAB	EL
LAB NUMBER	3060240003
SAMPLE NUMBER	OCC-1306-102
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.23
PH	8.2
SODIUM ADSORPTION RATIO	3.52
SC (UMHOS/CM AT 25 C)	3750.0
SC (UMHOS/CM AT 25 C) (FLD)	4040.0
TDS (MEASURED AT 180 C)	3360.0
TOTAL SUSPENDED SOLIDS	40.0
TURBIDITY (NTU)	13.5
WATER TEMPERATURE (FLD)	24.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	430.0
CALCIUM (CA) TRC	431.0
MAGNESIUM (MG) DIS	146.0
MAGNESIUM (MG) TRC	140.0
SODIUM (NA) DIS	331.0
SODIUM (NA) TRC	322.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	20.0
TOTAL ALKALINITY AS CACO3	93.0
BICARBONATE (HCO3)	110.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2400.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.6
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.068
BARIUM (BA) TRC	0.074
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.19
BORON (B) TRC	0.19
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	0.006
COPPER (CU) TRC	0.007
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.63
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0008
MANGANESE (MN) DIS	0.016
MANGANESE (MN) TRC	0.026
MERCURY (HG) DIS	<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	06/13/2013
SAMPLE TIME	18:20
LAB	EL
LAB NUMBER	3060240003
SAMPLE NUMBER	OCC-1306-102

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.004
SELENIUM (SE) TRC	0.003
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18
SAMPLE DATE	04/26/2013	06/20/2013
SAMPLE TIME	13:00	16:05
LAB	EL	EL
LAB NUMBER	3040428012	3060353005
SAMPLE NUMBER	OCC-1304-211	OCC-1306-114
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)	9.0	7.8
PH	7.0	7.8
SODIUM ADSORPTION RATIO	0.3	0.89
SC (UMHOS/CM AT 25 C)	182.0	338.0
SC (UMHOS/CM AT 25 C) (FLD)	225.0	390.0
TDS (MEASURED AT 180 C)	190.0	200.0
TOTAL SUSPENDED SOLIDS	307.0	1610.0
		J4D
TURBIDITY (NTU)	216.0	3500.0
	H	J4D
WATER TEMPERATURE (FLD)	9.0	19.4
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	17.0	27.0
CALCIUM (CA) TRC	21.0	53.0
MAGNESIUM (MG) DIS	5.0	9.0
MAGNESIUM (MG) TRC	8.0	31.0
SODIUM (NA) DIS	6.0	21.0
SODIUM (NA) TRC	7.0	24.0
POTASSIUM (K) DIS	9.0	7.0
POTASSIUM (K) TRC	10.0	16.0
TOTAL ALKALINITY AS CACO3	80.0	110.0
BICARBONATE (HCO3)	97.0	130.0
CARBONATE AS CO3	<1.0	<1.0
		UJ4D
SULFATE (SO4)	9.0	60.0
CHLORIDE (CL)	2.0	1.0
FLUORIDE (F)	<0.1	<0.1
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.02	0.4
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	0.2
ALUMINUM (AL) TRC	1.4	33.7
		J4D
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	0.023
BARIUM (BA) DIS	0.06	0.069
BARIUM (BA) TRC	0.073	0.398
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	0.003
BORON (B) DIS	0.03	0.03
BORON (B) TRC	0.04	0.07
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	0.00085
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	0.002	0.073

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18	SW-18
SAMPLE DATE	04/26/2013	06/20/2013
SAMPLE TIME	13:00	16:05
LAB	EL	EL
LAB NUMBER	3040428012	3060353005
SAMPLE NUMBER	OCC-1304-211	OCC-1306-114
-- METALS & MINOR CONSTITUENTS --		
COPPER (CU) DIS	0.003	0.002
COPPER (CU) TRC	0.007	0.084
IRON (FE) DIS	0.77	0.3
IRON (FE) TRC	3.25	73.0
		J4D
LEAD (PB) DIS	<0.0005	<0.0005
LEAD (PB) TRC	0.0019	0.0578
MANGANESE (MN) DIS	0.189	0.141
MANGANESE (MN) TRC	0.258	1.49
		J4D
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	0.0001
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	0.07
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	0.002
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	0.02	0.3

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19	SW-19
SAMPLE DATE	04/26/2013	06/20/2013
SAMPLE TIME	13:50	16:15
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1304-216	OCC-1306-118
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20	SW-20	SW-20
SAMPLE DATE	04/26/2013	05/15/2013	06/20/2013
SAMPLE TIME	14:00	12:25	15:35
LAB	EL	HYDRO	EL
LAB NUMBER	3040428013		3060353004
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-212	OCC-1305-208	OCC-1306-113
-- PHYSICAL PARAMETERS --			
FLOW (cfs)	NO MEAS	DRY	NO MEAS
PH (FLD)	8.8		7.6
PH	7.1		7.4
SODIUM ADSORPTION RATIO	0.09		0.11
SC (UMHOS/CM AT 25 C)	201.0		226.0
SC (UMHOS/CM AT 25 C) (FLD)	200.0		693.0
TDS (MEASURED AT 180 C)	201.0		171.0
TOTAL SUSPENDED SOLIDS	26.0		26.0
			J4D
TURBIDITY (NTU)	22.4		86.4
	H		J4D
WATER TEMPERATURE (FLD)	9.8		22.4
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	40.0		30.0
CALCIUM (CA) TRC	96.0		175.0
MAGNESIUM (MG) DIS	11.0		5.0
MAGNESIUM (MG) TRC	34.0		84.0
SODIUM (NA) DIS	2.0		2.0
SODIUM (NA) TRC	3.0		8.0
POTASSIUM (K) DIS	18.0		8.0
POTASSIUM (K) TRC	22.0		28.0
TOTAL ALKALINITY AS CACO3	84.0		110.0
BICARBONATE (HCO3)	100.0		130.0
CARBONATE AS CO3	<1.0		<1.0
			UJ4D
SULFATE (SO4)	11.0		9.0
CHLORIDE (CL)	3.0		1.0
FLUORIDE (F)	<0.1		<0.1
-- NUTRIENTS --			
NITRATE + NITRITE AS N	0.03		0.39
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	1.5		0.1
ALUMINUM (AL) TRC	15.5		71.7
			J4D
ARSENIC (AS) DIS	0.003		<0.003
ARSENIC (AS) TRC	0.015		0.062
BARIUM (BA) DIS	0.128		0.071
BARIUM (BA) TRC	0.332		0.862
BERYLLIUM (BE) DIS	<0.001		<0.001
BERYLLIUM (BE) TRC	0.002		0.006
BORON (B) DIS	0.06		0.04
BORON (B) TRC	0.08		0.13
CADMIUM (CD) DIS	0.00009		<0.00008
CADMIUM (CD) TRC	0.00064		0.0016
CHROMIUM (CR) DIS	0.002		<0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20	SW-20	SW-20
SAMPLE DATE	04/26/2013	05/15/2013	06/20/2013
SAMPLE TIME	14:00	12:25	15:35
LAB	EL	HYDRO	EL
LAB NUMBER	3040428013		3060353004
REMARKS		NO SAMPLE	
SAMPLE NUMBER	OCC-1304-212	OCC-1305-208	OCC-1306-113
-- METALS & MINOR CONSTITUENTS --			
CHROMIUM (CR) TRC	0.028		0.13
COPPER (CU) DIS	0.006		0.001
COPPER (CU) TRC	0.039		0.105
IRON (FE) DIS	3.49		0.36
IRON (FE) TRC	33.6		148.0
			J4D
LEAD (PB) DIS	0.0026		<0.0005
LEAD (PB) TRC	0.0329		0.114
MANGANESE (MN) DIS	0.571		0.468
MANGANESE (MN) TRC	1.09		3.39
			J4D
MERCURY (HG) DIS	<0.00005		<0.00005
MERCURY (HG) TOT	0.00013		0.00019
MOLYBDENUM (MO) DIS	<0.005		<0.005
MOLYBDENUM (MO) TRC	<0.005		<0.005
NICKEL (NI) DIS	<0.01		<0.01
NICKEL (NI) TRC	0.04		0.12
SELENIUM (SE) DIS	0.001		<0.001
SELENIUM (SE) TRC	0.002		0.004
VANADIUM (V) DIS	<0.1		<0.1
VANADIUM (V) TRC	<0.1		0.2
ZINC (ZN) DIS	0.04		<0.01
ZINC (ZN) TRC	0.24		0.67

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-21
SAMPLE DATE	06/20/2013
SAMPLE TIME	16:20
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1306-119

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22
SAMPLE DATE	04/29/2013	06/14/2013
SAMPLE TIME	12:00	12:50
LAB	HYDRO	EL
LAB NUMBER		3060241005
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-218	OCC-1306-154
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)		8.66
PH		8.7
SODIUM ADSORPTION RATIO		5.22
SC (UMHOS/CM AT 25 C)		3490.0
SC (UMHOS/CM AT 25 C) (FLD)		3600.0
TDS (MEASURED AT 180 C)		2760.0
TOTAL SUSPENDED SOLIDS		12.0
TURBIDITY (NTU)		3.0
WATER TEMPERATURE (FLD)		24.3
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		99.0
CALCIUM (CA) TRC		101.0
MAGNESIUM (MG) DIS		243.0
MAGNESIUM (MG) TRC		247.0
SODIUM (NA) DIS		436.0
SODIUM (NA) TRC		435.0
POTASSIUM (K) DIS		17.0
POTASSIUM (K) TRC		18.0
TOTAL ALKALINITY AS CACO3		490.0
BICARBONATE (HCO3)		470.0
CARBONATE AS CO3		64.0
SULFATE (SO4)		1700.0
CHLORIDE (CL)		12.0
FLUORIDE (F)		0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.029
BARIUM (BA) TRC		0.032
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.39
BORON (B) TRC		0.39
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		0.001
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.1
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		<0.0005
MANGANESE (MN) DIS		0.013

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22
SAMPLE DATE	04/29/2013	06/14/2013
SAMPLE TIME	12:00	12:50
LAB	HYDRO	EL
LAB NUMBER		3060241005
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-218	OCC-1306-154
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC		0.014
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23
SAMPLE DATE	04/29/2013	06/14/2013
SAMPLE TIME	13:00	12:35
LAB	HYDRO	EL
LAB NUMBER		3060241004
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-217	OCC-1306-153
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)		NO MEAS
PH		8.1
SODIUM ADSORPTION RATIO		5.73
SC (UMHOS/CM AT 25 C)		3750.0
SC (UMHOS/CM AT 25 C) (FLD)		3940.0
TDS (MEASURED AT 180 C)		2970.0
TOTAL SUSPENDED SOLIDS		12.0
TURBIDITY (NTU)		2.2
WATER TEMPERATURE (FLD)		23.8
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		126.0
CALCIUM (CA) TRC		127.0
MAGNESIUM (MG) DIS		236.0
MAGNESIUM (MG) TRC		235.0
SODIUM (NA) DIS		473.0
SODIUM (NA) TRC		501.0
POTASSIUM (K) DIS		19.0
POTASSIUM (K) TRC		20.0
TOTAL ALKALINITY AS CACO3		650.0
BICARBONATE (HCO3)		750.0
CARBONATE AS CO3		22.0
SULFATE (SO4)		1800.0
CHLORIDE (CL)		5.0
FLUORIDE (F)		0.6
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		<0.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.04
BARIUM (BA) TRC		0.045
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.57
BORON (B) TRC		0.63
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		0.001
IRON (FE) DIS		0.08
IRON (FE) TRC		0.25
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		<0.0005
MANGANESE (MN) DIS		0.128

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23
SAMPLE DATE	04/29/2013	06/14/2013
SAMPLE TIME	13:00	12:35
LAB	HYDRO	EL
LAB NUMBER		3060241004
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-217	OCC-1306-153

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) TRC		0.128
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24
SAMPLE DATE	05/15/2013
SAMPLE TIME	07:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-209

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1
SAMPLE DATE	05/16/2013
SAMPLE TIME	07:56
LAB	EL
LAB NUMBER	3050294021
SAMPLE NUMBER	OCC-1305-152
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.98
PH (FLD)	7.81
PH	7.8
SODIUM ADSORPTION RATIO	9.15
SC (UMHOS/CM AT 25 C)	2320.0
SC (UMHOS/CM AT 25 C) (FLD)	2059.0
TDS (MEASURED AT 180 C)	1510.0
WATER TEMPERATURE (FLD)	8.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	44.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	413.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	500.0
CHLORIDE (CL)	73.0
FLUORIDE (F)	3.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.35
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.038
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.01
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.005
VANADIUM (V) DIS	0.3
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	05/14/2013
SAMPLE TIME	15:08
LAB	EL
LAB NUMBER	3050294007
SAMPLE NUMBER	OCC-1305-139
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.94
PH (FLD)	7.16
PH	7.7
SODIUM ADSORPTION RATIO	5.41
SC (UMHOS/CM AT 25 C)	3320.0
SC (UMHOS/CM AT 25 C) (FLD)	3150.0
TDS (MEASURED AT 180 C)	2650.0
WATER TEMPERATURE (FLD)	12.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	130.0
MAGNESIUM (MG) DIS	202.0
SODIUM (NA) DIS	423.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	12.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.55
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.45
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.281
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	05/14/2013
SAMPLE TIME	13:41
LAB	EL
LAB NUMBER	3050294006
SAMPLE NUMBER	OCC-1305-138
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.74
PH (FLD)	7.34
PH	7.7
SODIUM ADSORPTION RATIO	4.86
SC (UMHOS/CM AT 25 C)	3080.0
SC (UMHOS/CM AT 25 C) (FLD)	2904.0
TDS (MEASURED AT 180 C)	2400.0
WATER TEMPERATURE (FLD)	11.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	122.0
MAGNESIUM (MG) DIS	198.0
SODIUM (NA) DIS	374.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	10.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.46
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.38
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	05/15/2013
SAMPLE TIME	15:53
LAB	EL
LAB NUMBER	3050294020
SAMPLE NUMBER	OCC-1305-151
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.77
PH (FLD)	7.22
PH	7.4
SODIUM ADSORPTION RATIO	5.79
SC (UMHOS/CM AT 25 C)	3530.0
SC (UMHOS/CM AT 25 C) (FLD)	3229.0
TDS (MEASURED AT 180 C)	2750.0
WATER TEMPERATURE (FLD)	6.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	159.0
MAGNESIUM (MG) DIS	191.0
SODIUM (NA) DIS	458.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	700.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.31
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.13
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.009
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6	A6
SAMPLE DATE	05/16/2013	05/16/2013
SAMPLE TIME	08:46	08:48
LAB	EL	EL
LAB NUMBER	3050294024	3050294025
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1305-155	OCC-1305-156
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	8.92	
PH (FLD)	7.54	
PH	7.5	7.5
SODIUM ADSORPTION RATIO	9.3	9.26
SC (UMHOS/CM AT 25 C)	5420.0	5420.0
SC (UMHOS/CM AT 25 C) (FLD)	4797.0	
TDS (MEASURED AT 180 C)	4560.0	4390.0
WATER TEMPERATURE (FLD)	11.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	172.0	171.0
MAGNESIUM (MG) DIS	290.0	286.0
SODIUM (NA) DIS	862.0	853.0
POTASSIUM (K) DIS	26.0	26.0
TOTAL ALKALINITY AS CACO3	690.0	690.0
BICARBONATE (HCO3)	840.0	840.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	2600.0	2600.0
CHLORIDE (CL)	22.0	20.0
FLUORIDE (F)	0.7	0.7
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.03	0.04
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.018	0.017
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.42	0.46
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	1.15	1.13
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.009	0.009
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	05/14/2013
SAMPLE TIME	08:48
LAB	EL
LAB NUMBER	3050294001
SAMPLE NUMBER	OCC-1305-133
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.03
PH (FLD)	7.46
PH	7.7
SODIUM ADSORPTION RATIO	6.41
SC (UMHOS/CM AT 25 C)	3820.0
SC (UMHOS/CM AT 25 C) (FLD)	3594.0
TDS (MEASURED AT 180 C)	2920.0
WATER TEMPERATURE (FLD)	11.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	135.0
MAGNESIUM (MG) DIS	211.0
SODIUM (NA) DIS	511.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	9.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.562
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	05/15/2013
SAMPLE TIME	10:17
LAB	EL
LAB NUMBER	3050294015
SAMPLE NUMBER	OCC-1305-146
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.07
PH (FLD)	7.64
PH	7.6
SODIUM ADSORPTION RATIO	5.36
SC (UMHOS/CM AT 25 C)	1720.0
SC (UMHOS/CM AT 25 C) (FLD)	1628.0
TDS (MEASURED AT 180 C)	1130.0
WATER TEMPERATURE (FLD)	12.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	59.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	254.0
POTASSIUM (K) DIS	17.0
TOTAL ALKALINITY AS CACO3	460.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	470.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.65
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.47
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.201
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	05/15/2013
SAMPLE TIME	11:12
LAB	EL
LAB NUMBER	3050294016
SAMPLE NUMBER	OCC-1305-147
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.58
PH (FLD)	7.61
PH	7.5
SODIUM ADSORPTION RATIO	6.16
SC (UMHOS/CM AT 25 C)	3350.0
SC (UMHOS/CM AT 25 C) (FLD)	3180.0
TDS (MEASURED AT 180 C)	2580.0
WATER TEMPERATURE (FLD)	12.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	118.0
MAGNESIUM (MG) DIS	183.0
SODIUM (NA) DIS	458.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	4.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.57
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.86
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.82
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	05/14/2013
SAMPLE TIME	18:23
LAB	EL
LAB NUMBER	3050294012
SAMPLE NUMBER	OCC-1305-143
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.47
PH (FLD)	7.32
PH	7.5
SODIUM ADSORPTION RATIO	6.57
SC (UMHOS/CM AT 25 C)	4850.0
SC (UMHOS/CM AT 25 C) (FLD)	4524.0
TDS (MEASURED AT 180 C)	4120.0
WATER TEMPERATURE (FLD)	12.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	209.0
MAGNESIUM (MG) DIS	315.0
SODIUM (NA) DIS	644.0
POTASSIUM (K) DIS	25.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2400.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.74
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.68
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.006
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	05/15/2013
SAMPLE TIME	07:35
LAB	EL
LAB NUMBER	3050294013
SAMPLE NUMBER	OCC-1305-144
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.5
PH (FLD)	7.6
PH	7.5
SODIUM ADSORPTION RATIO	3.11
SC (UMHOS/CM AT 25 C)	1570.0
SC (UMHOS/CM AT 25 C) (FLD)	1479.0
TDS (MEASURED AT 180 C)	1040.0
WATER TEMPERATURE (FLD)	9.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	85.0
MAGNESIUM (MG) DIS	84.0
SODIUM (NA) DIS	169.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	410.0
BICARBONATE (HCO3)	490.0
CARBONATE AS CO3	6.0
SULFATE (SO4)	460.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.9
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.65
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.044
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	05/15/2013
SAMPLE TIME	12:56
LAB	EL
LAB NUMBER	3050294018
SAMPLE NUMBER	OCC-1305-149
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.77
PH (FLD)	7.84
PH	7.8
SODIUM ADSORPTION RATIO	6.57
SC (UMHOS/CM AT 25 C)	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	2824.0
TDS (MEASURED AT 180 C)	2170.0
WATER TEMPERATURE (FLD)	13.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	109.0
MAGNESIUM (MG) DIS	135.0
SODIUM (NA) DIS	435.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	650.0
CARBONATE AS CO3	19.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.91
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.006
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.45
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.171
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-C
SAMPLE DATE	05/15/2013
SAMPLE TIME	08:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-157

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	39.15

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	05/15/2013
SAMPLE TIME	08:23
LAB	EL
LAB NUMBER	3050294014
SAMPLE NUMBER	OCC-1305-145
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	40.13
PH (FLD)	7.67
PH	7.8
SODIUM ADSORPTION RATIO	1.86
SC (UMHOS/CM AT 25 C)	1420.0
SC (UMHOS/CM AT 25 C) (FLD)	1347.0
TDS (MEASURED AT 180 C)	998.0
WATER TEMPERATURE (FLD)	11.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	71.0
MAGNESIUM (MG) DIS	103.0
SODIUM (NA) DIS	105.0
POTASSIUM (K) DIS	19.0
TOTAL ALKALINITY AS CACO3	270.0
BICARBONATE (HCO3)	310.0
CARBONATE AS CO3	8.0
SULFATE (SO4)	530.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.56
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.028
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.22
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.017
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	05/09/2013
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	3050214031
SAMPLE NUMBER	OCC-1305-130
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.28
PH (FLD)	7.8
PH	8.1
SODIUM ADSORPTION RATIO	53.5
SC (UMHOS/CM AT 25 C)	4810.0
SC (UMHOS/CM AT 25 C) (FLD)	4301.0
TDS (MEASURED AT 180 C)	3050.0
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	9.0
SODIUM (NA) DIS	1170.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	58.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.039
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-O
SAMPLE DATE	05/09/2013
SAMPLE TIME	15:26
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-159

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	131.37

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	05/09/2013
SAMPLE TIME	17:18
LAB	EL
LAB NUMBER	3050214033
SAMPLE NUMBER	OCC-1305-132
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.68
PH (FLD)	8.57
PH	8.4
SODIUM ADSORPTION RATIO	45.0
SC (UMHOS/CM AT 25 C)	1210.0
SC (UMHOS/CM AT 25 C) (FLD)	1158.0
TDS (MEASURED AT 180 C)	706.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	291.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	43.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	34.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	05/08/2013
SAMPLE TIME	17:55
LAB	EL
LAB NUMBER	3050214023
SAMPLE NUMBER	OCC-1305-122
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.24
PH (FLD)	6.78
PH	7.4
SODIUM ADSORPTION RATIO	23.3
SC (UMHOS/CM AT 25 C)	6850.0
SC (UMHOS/CM AT 25 C) (FLD)	6210.0
TDS (MEASURED AT 180 C)	4710.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	169.0
MAGNESIUM (MG) DIS	75.0
SODIUM (NA) DIS	1450.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	45.0
FLUORIDE (F)	<0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
	UJ4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.031
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.56
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.009
COPPER (CU) DIS	0.01
IRON (FE) DIS	0.67
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.147
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.03

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	05/08/2013
SAMPLE TIME	17:29
LAB	EL
LAB NUMBER	3050214022
SAMPLE NUMBER	OCC-1305-121

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	195.49
PH (FLD)	8.57
PH	8.4
SODIUM ADSORPTION RATIO	41.9
SC (UMHOS/CM AT 25 C)	1180.0
SC (UMHOS/CM AT 25 C) (FLD)	1106.0
TDS (MEASURED AT 180 C)	678.0
WATER TEMPERATURE (FLD)	10.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	283.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	650.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	2.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.067
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	05/07/2013
SAMPLE TIME	15:47
LAB	EL
LAB NUMBER	3050214012
SAMPLE NUMBER	OCC-1305-111
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.05
PH (FLD)	7.32
PH	7.8
SODIUM ADSORPTION RATIO	27.2
SC (UMHOS/CM AT 25 C)	5170.0
SC (UMHOS/CM AT 25 C) (FLD)	4636.0
TDS (MEASURED AT 180 C)	3440.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	39.0
SODIUM (NA) DIS	1160.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	730.0
BICARBONATE (HCO3)	850.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	2000.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.01
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.41
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.065
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	05/08/2013
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	3050214019
SAMPLE NUMBER	OCC-1305-118

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.14
PH (FLD)	6.84
PH	7.0
SODIUM ADSORPTION RATIO	4.1
SC (UMHOS/CM AT 25 C)	4340.0
SC (UMHOS/CM AT 25 C) (FLD)	4112.0
TDS (MEASURED AT 180 C)	3240.0
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	150.0
MAGNESIUM (MG) DIS	391.0
SODIUM (NA) DIS	420.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1000.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.18
	J4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.054
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	05/08/2013
SAMPLE TIME	15:30
LAB	EL
LAB NUMBER	3050214020
SAMPLE NUMBER	OCC-1305-119

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	182.78
PH (FLD)	8.25
PH	8.3
SODIUM ADSORPTION RATIO	45.2
SC (UMHOS/CM AT 25 C)	2230.0
SC (UMHOS/CM AT 25 C) (FLD)	2098.0
TDS (MEASURED AT 180 C)	1470.0
WATER TEMPERATURE (FLD)	17.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	507.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	480.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.04
	J4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	05/08/2013
SAMPLE TIME	12:20
LAB	EL
LAB NUMBER	3050214017
SAMPLE NUMBER	OCC-1305-116

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	182.91
PH (FLD)	8.12
PH	8.1
SODIUM ADSORPTION RATIO	55.2
SC (UMHOS/CM AT 25 C)	1370.0
SC (UMHOS/CM AT 25 C) (FLD)	1269.0
TDS (MEASURED AT 180 C)	795.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	346.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.096
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	05/09/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3050214030
SAMPLE NUMBER	OCC-1305-129
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	144.97
PH (FLD)	7.87
PH	7.8
SODIUM ADSORPTION RATIO	44.6
SC (UMHOS/CM AT 25 C)	2470.0
SC (UMHOS/CM AT 25 C) (FLD)	2286.0
TDS (MEASURED AT 180 C)	1580.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	8.0
MAGNESIUM (MG) DIS	3.0
SODIUM (NA) DIS	577.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	960.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	340.0
CHLORIDE (CL)	48.0
FLUORIDE (F)	4.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.62
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.032
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.076
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	05/08/2013
SAMPLE TIME	13:35
LAB	EL
LAB NUMBER	3050214018
SAMPLE NUMBER	OCC-1305-117

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.51
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	47.4
SC (UMHOS/CM AT 25 C)	1080.0
SC (UMHOS/CM AT 25 C) (FLD)	998.0
TDS (MEASURED AT 180 C)	615.0
WATER TEMPERATURE (FLD)	17.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	262.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	26.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.074
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K	B6-K
SAMPLE DATE	05/08/2013	05/08/2013
SAMPLE TIME	11:10	11:12
LAB	EL	EL
LAB NUMBER	3050214015	3050214016
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1305-114	OCC-1305-115
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	129.4	
PH (FLD)	8.16	
PH	8.2	8.2
SODIUM ADSORPTION RATIO	52.3	51.4
SC (UMHOS/CM AT 25 C)	1510.0	1510.0
SC (UMHOS/CM AT 25 C) (FLD)	1405.0	
TDS (MEASURED AT 180 C)	903.0	910.0
WATER TEMPERATURE (FLD)	15.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	3.0	3.0
MAGNESIUM (MG) DIS	1.0	<1.0
SODIUM (NA) DIS	394.0	378.0
POTASSIUM (K) DIS	2.0	2.0
TOTAL ALKALINITY AS CACO3	780.0	780.0
BICARBONATE (HCO3)	860.0	850.0
CARBONATE AS CO3	42.0	48.0
SULFATE (SO4)	18.0	20.0
CHLORIDE (CL)	8.0	8.0
FLUORIDE (F)	1.0	1.0
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.11	<0.01
	J4D	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.101	0.103
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.14	0.14
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	05/08/2013
SAMPLE TIME	08:20
LAB	EL
LAB NUMBER	3050214013
SAMPLE NUMBER	OCC-1305-112
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.83
PH (FLD)	7.73
PH	8.1
SODIUM ADSORPTION RATIO	50.4
SC (UMHOS/CM AT 25 C)	5240.0
SC (UMHOS/CM AT 25 C) (FLD)	4938.0
TDS (MEASURED AT 180 C)	3290.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	26.0
MAGNESIUM (MG) DIS	13.0
SODIUM (NA) DIS	1260.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1300.0
CARBONATE AS CO3	51.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
	J4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.009
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.065
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	05/08/2013
SAMPLE TIME	10:15
LAB	EL
LAB NUMBER	3050214014
SAMPLE NUMBER	OCC-1305-113
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.81
PH (FLD)	8.7
PH	8.4
SODIUM ADSORPTION RATIO	45.3
SC (UMHOS/CM AT 25 C)	972.0
SC (UMHOS/CM AT 25 C) (FLD)	912.0
TDS (MEASURED AT 180 C)	604.0
WATER TEMPERATURE (FLD)	17.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	243.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	2.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.007
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	05/06/2013
SAMPLE TIME	12:04
LAB	EL
LAB NUMBER	3050214003
SAMPLE NUMBER	OCC-1305-102
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	207.17
PH (FLD)	8.65
PH	8.5
SODIUM ADSORPTION RATIO	44.5
SC (UMHOS/CM AT 25 C)	1540.0
SC (UMHOS/CM AT 25 C) (FLD)	1447.0
TDS (MEASURED AT 180 C)	944.0
	H
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	345.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	310.0
BICARBONATE (HCO3)	330.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	420.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	05/06/2013
SAMPLE TIME	10:55
LAB	EL
LAB NUMBER	3050214002
SAMPLE NUMBER	OCC-1305-101
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.33
PH (FLD)	8.31
PH	8.3
SODIUM ADSORPTION RATIO	47.2
SC (UMHOS/CM AT 25 C)	1680.0
SC (UMHOS/CM AT 25 C) (FLD)	1553.0
TDS (MEASURED AT 180 C)	1010.0
	H
WATER TEMPERATURE (FLD)	15.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	413.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	46.0
SULFATE (SO4)	84.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.4
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.059
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	0.0009
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	05/06/2013
SAMPLE TIME	10:01
LAB	EL
LAB NUMBER	3050214001
SAMPLE NUMBER	OCC-1305-100
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.86
PH (FLD)	7.81
PH	8.1
SODIUM ADSORPTION RATIO	53.2
SC (UMHOS/CM AT 25 C)	4990.0
SC (UMHOS/CM AT 25 C) (FLD)	4617.0
TDS (MEASURED AT 180 C)	3450.0
	H
WATER TEMPERATURE (FLD)	15.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1200.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	33.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.11
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.046
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	05/07/2013
SAMPLE TIME	09:40
LAB	EL
LAB NUMBER	3050214008
SAMPLE NUMBER	OCC-1305-107
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.72
PH (FLD)	8.81
PH	8.6
SODIUM ADSORPTION RATIO	44.9
SC (UMHOS/CM AT 25 C)	947.0
SC (UMHOS/CM AT 25 C) (FLD)	898.0
TDS (MEASURED AT 180 C)	536.0
WATER TEMPERATURE (FLD)	17.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	240.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	470.0
BICARBONATE (HCO3)	490.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	13.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.066
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.018
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	05/06/2013
SAMPLE TIME	15:14
LAB	EL
LAB NUMBER	3050214004
SAMPLE NUMBER	OCC-1305-103
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.67
PH (FLD)	8.41
PH	8.3
SODIUM ADSORPTION RATIO	37.0
SC (UMHOS/CM AT 25 C)	1730.0
SC (UMHOS/CM AT 25 C) (FLD)	1647.0
TDS (MEASURED AT 180 C)	1020.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	394.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	460.0
BICARBONATE (HCO3)	500.0
CARBONATE AS CO3	27.0
SULFATE (SO4)	380.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	05/06/2013
SAMPLE TIME	18:08
LAB	EL
LAB NUMBER	3050214006
SAMPLE NUMBER	OCC-1305-105
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.6
PH (FLD)	6.93
PH	7.4
SODIUM ADSORPTION RATIO	5.8
SC (UMHOS/CM AT 25 C)	3310.0
SC (UMHOS/CM AT 25 C) (FLD)	3091.0
TDS (MEASURED AT 180 C)	2410.0
WATER TEMPERATURE (FLD)	13.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	165.0
MAGNESIUM (MG) DIS	165.0
SODIUM (NA) DIS	440.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.38
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.086
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	05/06/2013
SAMPLE TIME	18:45
LAB	EL
LAB NUMBER	3050214007
SAMPLE NUMBER	OCC-1305-106
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	75.8
PH (FLD)	7.35
PH	7.8
SODIUM ADSORPTION RATIO	3.79
SC (UMHOS/CM AT 25 C)	2480.0
SC (UMHOS/CM AT 25 C) (FLD)	2305.0
TDS (MEASURED AT 180 C)	1890.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	78.0
MAGNESIUM (MG) DIS	182.0
SODIUM (NA) DIS	268.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	390.0
BICARBONATE (HCO3)	450.0
CARBONATE AS CO3	8.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.29
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.069
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	05/06/2013
SAMPLE TIME	17:15
LAB	EL
LAB NUMBER	3050214005
SAMPLE NUMBER	OCC-1305-104
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	148.95
PH (FLD)	8.67
PH	8.3
SODIUM ADSORPTION RATIO	43.5
SC (UMHOS/CM AT 25 C)	1160.0
SC (UMHOS/CM AT 25 C) (FLD)	1088.0
TDS (MEASURED AT 180 C)	646.0
WATER TEMPERATURE (FLD)	18.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	288.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	540.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	28.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	40.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.082
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	05/09/2013
SAMPLE TIME	11:33
LAB	EL
LAB NUMBER	3050214028
SAMPLE NUMBER	OCC-1305-127
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.91
PH (FLD)	8.25
PH	8.2
SODIUM ADSORPTION RATIO	58.2
SC (UMHOS/CM AT 25 C)	1640.0
SC (UMHOS/CM AT 25 C) (FLD)	1527.0
TDS (MEASURED AT 180 C)	968.0
WATER TEMPERATURE (FLD)	14.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	409.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	52.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	23.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.106
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.06
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	05/09/2013
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	3050214029
SAMPLE NUMBER	OCC-1305-128
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.19
PH (FLD)	8.69
PH	8.4
SODIUM ADSORPTION RATIO	41.7
SC (UMHOS/CM AT 25 C)	1040.0
SC (UMHOS/CM AT 25 C) (FLD)	975.0
TDS (MEASURED AT 180 C)	620.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	254.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	550.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	2.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.047
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.021
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	05/09/2013
SAMPLE TIME	10:29
LAB	EL
LAB NUMBER	3050214027
SAMPLE NUMBER	OCC-1305-126
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	59.28
PH (FLD)	8.36
PH	8.3
SODIUM ADSORPTION RATIO	45.5
SC (UMHOS/CM AT 25 C)	1460.0
SC (UMHOS/CM AT 25 C) (FLD)	1411.0
TDS (MEASURED AT 180 C)	849.0
WATER TEMPERATURE (FLD)	15.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	359.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	730.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	45.0
SULFATE (SO4)	1.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	2.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.127
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	05/09/2013
SAMPLE TIME	09:17
LAB	EL
LAB NUMBER	3050214026
SAMPLE NUMBER	OCC-1305-125

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.63
PH (FLD)	7.11
PH	7.9
SODIUM ADSORPTION RATIO	25.0
SC (UMHOS/CM AT 25 C)	5180.0
SC (UMHOS/CM AT 25 C) (FLD)	4827.0
TDS (MEASURED AT 180 C)	3630.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	90.0
MAGNESIUM (MG) DIS	41.0
SODIUM (NA) DIS	1140.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	33.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
	UJ1

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.28
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.008
COPPER (CU) DIS	0.002
IRON (FE) DIS	0.47
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.044
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	05/09/2013
SAMPLE TIME	07:50
LAB	EL
LAB NUMBER	3050214024
SAMPLE NUMBER	OCC-1305-123
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.26
PH (FLD)	5.79
PH	5.8
SODIUM ADSORPTION RATIO	24.3
SC (UMHOS/CM AT 25 C)	3360.0
SC (UMHOS/CM AT 25 C) (FLD)	3153.0
TDS (MEASURED AT 180 C)	3830.0
WATER TEMPERATURE (FLD)	11.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	32.0
MAGNESIUM (MG) DIS	28.0
SODIUM (NA) DIS	781.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	300.0
TOTAL ACIDITY AS CACO3	48.0
BICARBONATE (HCO3)	370.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	<0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.8
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	6.5
ARSENIC (AS) DIS	0.188
BARIUM (BA) DIS	0.09
BERYLLIUM (BE) DIS	0.002
BORON (B) DIS	0.37
CADMIUM (CD) DIS	0.0004
CHROMIUM (CR) DIS	0.005
COPPER (CU) DIS	0.004
IRON (FE) DIS	38.5
LEAD (PB) DIS	0.0194
MANGANESE (MN) DIS	0.138
MERCURY (HG) DIS	0.00014
MOLYBDENUM (MO) DIS	0.013
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.08

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	05/09/2013
SAMPLE TIME	08:35
LAB	EL
LAB NUMBER	3050214025
SAMPLE NUMBER	OCC-1305-124

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	66.37
PH (FLD)	8.49
PH	8.2
SODIUM ADSORPTION RATIO	45.0
SC (UMHOS/CM AT 25 C)	1390.0
SC (UMHOS/CM AT 25 C) (FLD)	1298.0
TDS (MEASURED AT 180 C)	841.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	334.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	63.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.134
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	05/07/2013
SAMPLE TIME	11:27
LAB	EL
LAB NUMBER	3050214009
SAMPLE NUMBER	OCC-1305-108
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	191.26
PH (FLD)	8.28
PH	8.2
SODIUM ADSORPTION RATIO	52.2
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1031.0
TDS (MEASURED AT 180 C)	638.0
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	280.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	4.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.11
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	05/07/2013
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	3050214010
SAMPLE NUMBER	OCC-1305-109

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	111.1
PH (FLD)	7.54
PH	7.6
SODIUM ADSORPTION RATIO	42.3
SC (UMHOS/CM AT 25 C)	7610.0
SC (UMHOS/CM AT 25 C) (FLD)	6970.0
TDS (MEASURED AT 180 C)	5020.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	41.0
SODIUM (NA) DIS	1840.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3300.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.155
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	05/07/2013
SAMPLE TIME	14:20
LAB	EL
LAB NUMBER	3050214011
SAMPLE NUMBER	OCC-1305-110
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.95
PH (FLD)	8.17
PH	8.5
SODIUM ADSORPTION RATIO	38.6
SC (UMHOS/CM AT 25 C)	980.0
SC (UMHOS/CM AT 25 C) (FLD)	914.0
TDS (MEASURED AT 180 C)	564.0
WATER TEMPERATURE (FLD)	18.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	245.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	540.0
CARBONATE AS CO3	32.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.064
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.007
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	05/08/2013
SAMPLE TIME	18:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-158

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	151.74

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	05/15/2013
SAMPLE TIME	12:04
LAB	EL
LAB NUMBER	3050294017
SAMPLE NUMBER	OCC-1305-148
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	41.91
PH (FLD)	7.52
PH	7.5
SODIUM ADSORPTION RATIO	8.1
SC (UMHOS/CM AT 25 C)	3020.0
SC (UMHOS/CM AT 25 C) (FLD)	2826.0
TDS (MEASURED AT 180 C)	2110.0
WATER TEMPERATURE (FLD)	13.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	79.0
MAGNESIUM (MG) DIS	115.0
SODIUM (NA) DIS	482.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	590.0
BICARBONATE (HCO3)	700.0
CARBONATE AS CO3	12.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	29.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	4.26
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.053
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.43
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.03
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.022
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	05/15/2013
SAMPLE TIME	13:52
LAB	EL
LAB NUMBER	3050294019
SAMPLE NUMBER	OCC-1305-150
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.35
PH (FLD)	7.66
PH	7.8
SODIUM ADSORPTION RATIO	6.55
SC (UMHOS/CM AT 25 C)	3430.0
SC (UMHOS/CM AT 25 C) (FLD)	3229.0
TDS (MEASURED AT 180 C)	2650.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	124.0
MAGNESIUM (MG) DIS	182.0
SODIUM (NA) DIS	490.0
POTASSIUM (K) DIS	25.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	660.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.07
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.47
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	3.68
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.492
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4
SAMPLE DATE	05/14/2013
SAMPLE TIME	17:44
LAB	EL
LAB NUMBER	3050294010
SAMPLE NUMBER	OCC-1305-142

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	71.58
PH (FLD)	7.52
PH	7.6
SODIUM ADSORPTION RATIO	7.54
SC (UMHOS/CM AT 25 C)	4150.0
SC (UMHOS/CM AT 25 C) (FLD)	3896.0
TDS (MEASURED AT 180 C)	3180.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	153.0
MAGNESIUM (MG) DIS	223.0
SODIUM (NA) DIS	625.0
POTASSIUM (K) DIS	21.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.29
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.387
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	05/14/2013
SAMPLE TIME	16:00
LAB	EL
LAB NUMBER	3050294008
SAMPLE NUMBER	OCC-1305-140
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	73.62
PH (FLD)	8.45
PH	8.4
SODIUM ADSORPTION RATIO	42.2
SC (UMHOS/CM AT 25 C)	1630.0
SC (UMHOS/CM AT 25 C) (FLD)	1536.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	414.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	49.0
SULFATE (SO4)	100.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.171
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.006
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	05/14/2013
SAMPLE TIME	10:58
LAB	EL
LAB NUMBER	3050294003
SAMPLE NUMBER	OCC-1305-135
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	61.9
PH (FLD)	8.75
PH	8.5
SODIUM ADSORPTION RATIO	40.8
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1048.0
TDS (MEASURED AT 180 C)	663.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	272.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	14.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.102
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	05/14/2013
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	3050294005
SAMPLE NUMBER	OCC-1305-137
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.69
PH (FLD)	6.55
PH	6.6
SODIUM ADSORPTION RATIO	3.23
SC (UMHOS/CM AT 25 C)	2010.0
SC (UMHOS/CM AT 25 C) (FLD)	1925.0
TDS (MEASURED AT 180 C)	1390.0
WATER TEMPERATURE (FLD)	14.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	141.0
MAGNESIUM (MG) DIS	96.0
SODIUM (NA) DIS	203.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	630.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.34
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.85
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.086
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	05/14/2013
SAMPLE TIME	12:07
LAB	EL
LAB NUMBER	3050294004
SAMPLE NUMBER	OCC-1305-136
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	52.9
PH (FLD)	8.78
PH	8.6
SODIUM ADSORPTION RATIO	44.5
SC (UMHOS/CM AT 25 C)	1060.0
SC (UMHOS/CM AT 25 C) (FLD)	1011.0
TDS (MEASURED AT 180 C)	655.0
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	268.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	400.0
BICARBONATE (HCO3)	430.0
CARBONATE AS CO3	28.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.02
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	05/14/2013
SAMPLE TIME	16:53
LAB	EL
LAB NUMBER	3050294009
SAMPLE NUMBER	OCC-1305-141

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.97
PH (FLD)	7.87
PH	8.1
SODIUM ADSORPTION RATIO	44.4
SC (UMHOS/CM AT 25 C)	1270.0
SC (UMHOS/CM AT 25 C) (FLD)	1199.0
TDS (MEASURED AT 180 C)	772.0
WATER TEMPERATURE (FLD)	11.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	336.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.115
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.2
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.02
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	05/14/2013
SAMPLE TIME	09:56
LAB	EL
LAB NUMBER	3050294002
SAMPLE NUMBER	OCC-1305-134
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.04
PH (FLD)	7.15
PH	7.6
SODIUM ADSORPTION RATIO	12.5
SC (UMHOS/CM AT 25 C)	3090.0
SC (UMHOS/CM AT 25 C) (FLD)	2874.0
TDS (MEASURED AT 180 C)	2090.0
WATER TEMPERATURE (FLD)	11.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	68.0
MAGNESIUM (MG) DIS	67.0
SODIUM (NA) DIS	605.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	21.0
SULFATE (SO4)	870.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.94
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.104
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	05/15/2013
SAMPLE TIME	14:40
LAB	EL
LAB NUMBER	3050294026
SAMPLE NUMBER	OCC-1305-200

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	7.5
PH	7.4
SODIUM ADSORPTION RATIO	14.7
SC (UMHOS/CM AT 25 C)	8910.0
SC (UMHOS/CM AT 25 C) (FLD)	8530.0
TDS (MEASURED AT 180 C)	7890.0
TOTAL SUSPENDED SOLIDS	248.0
TURBIDITY (NTU)	58.0
WATER TEMPERATURE (FLD)	27.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	337.0
CALCIUM (CA) TRC	360.0
MAGNESIUM (MG) DIS	335.0
MAGNESIUM (MG) TRC	335.0
SODIUM (NA) DIS	1590.0
SODIUM (NA) TRC	1570.0
POTASSIUM (K) DIS	56.0
POTASSIUM (K) TRC	55.0
TOTAL ALKALINITY AS CACO3	210.0
BICARBONATE (HCO3)	250.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	5500.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	2.5
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.004
BARIUM (BA) DIS	0.041
BARIUM (BA) TRC	0.073
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.07
BORON (B) TRC	0.07
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00012
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.003
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.008
IRON (FE) DIS	0.45
IRON (FE) TRC	6.23
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0028
MANGANESE (MN) DIS	0.92
MANGANESE (MN) TRC	1.54

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	05/15/2013
SAMPLE TIME	14:40
LAB	EL
LAB NUMBER	3050294026
SAMPLE NUMBER	OCC-1305-200

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	0.02
NICKEL (NI) TRC	0.02
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P2
SAMPLE DATE	05/15/2013
SAMPLE TIME	15:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-204

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	05/15/2013
SAMPLE TIME	15:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1305-205

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4
SAMPLE DATE	04/25/2013	05/15/2013
SAMPLE TIME	17:30	15:10
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1304-215	OCC-1305-206
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	05/15/2013
SAMPLE TIME	17:35
LAB	EL
LAB NUMBER	3050294027
SAMPLE NUMBER	OCC-1305-201

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	10.3
PH	10.5
SODIUM ADSORPTION RATIO	23.4
SC (UMHOS/CM AT 25 C)	8170.0
SC (UMHOS/CM AT 25 C) (FLD)	7670.0
TDS (MEASURED AT 180 C)	6570.0
TOTAL SUSPENDED SOLIDS	74.0
TURBIDITY (NTU)	38.0
WATER TEMPERATURE (FLD)	26.7

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	88.0
CALCIUM (CA) TRC	93.0
MAGNESIUM (MG) DIS	208.0
MAGNESIUM (MG) TRC	216.0
SODIUM (NA) DIS	1760.0
SODIUM (NA) TRC	1810.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	18.0
TOTAL ALKALINITY AS CACO3	110.0
BICARBONATE (HCO3)	28.0
CARBONATE AS CO3	54.0
SULFATE (SO4)	4500.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.3

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.6
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.003
BARIUM (BA) DIS	0.026
BARIUM (BA) TRC	0.035
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.04
BORON (B) TRC	0.05
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	0.004
COPPER (CU) TRC	0.006
IRON (FE) DIS	<0.05
IRON (FE) TRC	1.02
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.001
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	0.035

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	05/15/2013
SAMPLE TIME	17:35
LAB	EL
LAB NUMBER	3050294027
SAMPLE NUMBER	OCC-1305-201

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.006
MOLYBDENUM (MO) TRC	0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	05/16/2013
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	3050294029
SAMPLE NUMBER	OCC-1305-203

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.54
PH	8.4
SODIUM ADSORPTION RATIO	5.23
SC (UMHOS/CM AT 25 C)	3160.0
SC (UMHOS/CM AT 25 C) (FLD)	2956.0
TDS (MEASURED AT 180 C)	2450.0
TOTAL SUSPENDED SOLIDS	96.0
TURBIDITY (NTU)	50.6
WATER TEMPERATURE (FLD)	24.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	99.0
CALCIUM (CA) TRC	99.0
MAGNESIUM (MG) DIS	210.0
MAGNESIUM (MG) TRC	215.0
SODIUM (NA) DIS	401.0
SODIUM (NA) TRC	406.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	16.0
TOTAL ALKALINITY AS CACO3	490.0
BICARBONATE (HCO3)	510.0
CARBONATE AS CO3	48.0
SULFATE (SO4)	1300.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	2.2
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.025
BARIUM (BA) TRC	0.044
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.51
BORON (B) TRC	0.52
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.003
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.003
IRON (FE) DIS	<0.05
IRON (FE) TRC	2.86
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0019
MANGANESE (MN) DIS	0.059
MANGANESE (MN) TRC	0.096

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	05/16/2013
SAMPLE TIME	11:10
LAB	EL
LAB NUMBER	3050294029
SAMPLE NUMBER	OCC-1305-203

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	05/08/2013	05/16/2013	06/21/2013
SAMPLE TIME	16:30	08:00	08:45
LAB	EL	EL	EL
LAB NUMBER	3050214021	3050294022	3060353007
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-120	OCC-1305-153	OCC-1306-115
-- PHYSICAL PARAMETERS --			
PH	5.9	5.9	5.9
SODIUM ADSORPTION RATIO	0.07	0.45	0.07
SC (UMHOS/CM AT 25 C)	2.0	1.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0
TURBIDITY (NTU)			0.2
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0
TOTAL ALKALINITY AS CACO3	2.0	<1.0	<1.0
BICARBONATE (HCO3)	2.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.2	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1
ALUMINUM (AL) TRC			<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003
ARSENIC (AS) TRC			<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005
BARIUM (BA) TRC			<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001
BERYLLIUM (BE) TRC			<0.001
BORON (B) DIS	<0.01	<0.01	<0.01
BORON (B) TRC			0.05
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008
CADMIUM (CD) TRC			<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05
IRON (FE) TRC			<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005
LEAD (PB) TRC			<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005
MERCURY (HG) TOT			<0.00005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	05/08/2013	05/16/2013	06/21/2013
SAMPLE TIME	16:30	08:00	08:45
LAB	EL	EL	EL
LAB NUMBER	3050214021	3050294022	3060353007
REMARKS	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-120	OCC-1305-153	OCC-1306-115
-- METALS & MINOR CONSTITUENTS --			
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01
NICKEL (NI) TRC			<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1
VANADIUM (V) TRC			<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01
ZINC (ZN) TRC			<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	05/09/2013	05/16/2013
SAMPLE TIME	16:40	08:10
LAB	EL	EL
LAB NUMBER	3050214032	3050294023
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1305-131	OCC-1305-154
-- PHYSICAL PARAMETERS --		
PH	6.1	5.4
SODIUM ADSORPTION RATIO	0.04	0.21
SC (UMHOS/CM AT 25 C)	3.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	2.0	<1.0
BICARBONATE (HCO3)	3.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	05/14/2013
SAMPLE TIME	12:25
LAB	HYDRO
LAB NUMBER	
REMARKS	FIELD PARAMS
SAMPLE NUMBER	OCC-1305-207

-- PHYSICAL PARAMETERS --

FLOW	NO MEAS
PH (FLD)	7.42
SC (UMHOS/CM AT 25 C) (FLD)	5220.0
WATER TEMPERATURE (FLD)	17.5

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	05/16/2013
SAMPLE TIME	09:10
LAB	EL
LAB NUMBER	3050294028
SAMPLE NUMBER	OCC-1305-202
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.0021
PH (FLD)	7.25
PH	7.4
SODIUM ADSORPTION RATIO	9.41
SC (UMHOS/CM AT 25 C)	9450.0
SC (UMHOS/CM AT 25 C) (FLD)	8370.0
TDS (MEASURED AT 180 C)	9280.0
TOTAL SUSPENDED SOLIDS	7.0
TURBIDITY (NTU)	1.1
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	405.0
CALCIUM (CA) TRC	415.0
MAGNESIUM (MG) DIS	740.0
MAGNESIUM (MG) TRC	762.0
SODIUM (NA) DIS	1380.0
SODIUM (NA) TRC	1430.0
POTASSIUM (K) DIS	27.0
POTASSIUM (K) TRC	30.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	6000.0
CHLORIDE (CL)	25.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	10.3
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.017
BARIUM (BA) TRC	0.017
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.96
BORON (B) TRC	0.96
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	05/16/2013
SAMPLE TIME	09:10
LAB	EL
LAB NUMBER	3050294028
SAMPLE NUMBER	OCC-1305-202

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.036
SELENIUM (SE) TRC	0.034
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25	SW-25
SAMPLE DATE	04/25/2013	06/13/2013
SAMPLE TIME	12:00	17:30
LAB	HYDRO	EL
LAB NUMBER		3060241001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-213	OCC-1306-150
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	NO MEAS
PH (FLD)		7.9
PH		8.6
SODIUM ADSORPTION RATIO		5.76
SC (UMHOS/CM AT 25 C)		3660.0
SC (UMHOS/CM AT 25 C) (FLD)		3554.0
TDS (MEASURED AT 180 C)		3090.0
TOTAL SUSPENDED SOLIDS		72.0
TURBIDITY (NTU)		40.6
WATER TEMPERATURE (FLD)		25.2
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		96.0
CALCIUM (CA) TRC		99.0
MAGNESIUM (MG) DIS		246.0
MAGNESIUM (MG) TRC		240.0
SODIUM (NA) DIS		469.0
SODIUM (NA) TRC		486.0
POTASSIUM (K) DIS		19.0
POTASSIUM (K) TRC		20.0
TOTAL ALKALINITY AS CACO3		490.0
BICARBONATE (HCO3)		500.0
CARBONATE AS CO3		51.0
SULFATE (SO4)		1800.0
CHLORIDE (CL)		12.0
FLUORIDE (F)		0.5
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		1.1
ARSENIC (AS) DIS		<0.003
ARSENIC (AS) TRC		<0.003
BARIUM (BA) DIS		0.044
BARIUM (BA) TRC		0.056
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.49
BORON (B) TRC		0.48
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		0.002
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		0.002
IRON (FE) DIS		<0.05
IRON (FE) TRC		1.24
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		0.001
MANGANESE (MN) DIS		0.053

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25	SW-25
SAMPLE DATE	04/25/2013	06/13/2013
SAMPLE TIME	12:00	17:30
LAB	HYDRO	EL
LAB NUMBER		3060241001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1304-213	OCC-1306-150
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC		0.089
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		<0.005
MOLYBDENUM (MO) TRC		<0.005
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Otter Creek Coal, LLC
July 2013 to September 2013 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

November 2013

Otter Creek Coal, LLC
July 2013 to September 2013 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 07/24/2013 through 08/28/2013
- Total number of samples taken at existing wells: 77 site samples, 5 field duplicates, 28 field observations, 4 DI and rinsate blanks, for a total of 114 samples.
- Frequency for field duplicates was 1 per 15 and 1 per 19 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 9 samples collected.

Violations involving field quality control:

- Sample OCC-1307-605 and its duplicate OCC-1307-606 had an RPD of 32% for the analyte Nitrate + Nitrite as N. A validation qualifier UJ4D or J4D was placed on associated samples for this analyte for an RPD exceedance.
- Sample OCC-1307-505 and its duplicate OCC-1307-506 had an RPD of 39% for Turbidity. A validation qualifier UJ4D or J4D was placed on the associated samples for this analyte for an RPD exceedance.

Violations involving laboratory quality control:

- For batches H13070514, H13070565, H13080043, H13080047, H13080121, H13080158, and H13080563, the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Sample OCC-1307-106 was flagged with laboratory qualifier "H" for exceeding the holding time for the analyte Total Acidity as CACO3. A validation qualifier "J3" was placed on this sample for this analyte for hold time exceedance.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 96%. The project completeness

goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the analytical parameters listed in Table 3-1 Analytic Parameters Otter Creek Coal, LLC-Groundwater and Table 2-2 Analytic Parameters Otter Creek Coal, LLC-Surface Water, Mercury, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary Of Flagged Data
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.
L	-	The reporting limit was the lowest available reporting limit for the analytical method used.

Sample Type: Groundwater

SITE CODE	AVF6-3	AVF6-3
SAMPLE DATE	07/31/2013	07/31/2013
SAMPLE TIME	15:40	15:45
LAB	EL	EL
LAB NUMBER	3080047006	3080047007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-605	OCC-1307-606
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	12.73	
PH (FLD)	NO MEAS	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	6.65	6.78
SC (UMHOS/CM AT 25 C)	3100.0	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	3000.0	
TDS (MEASURED AT 180 C)	2180.0	2120.0
WATER TEMPERATURE (FLD)	12.0	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	102.0	99.0
MAGNESIUM (MG) DIS	136.0	131.0
SODIUM (NA) DIS	437.0	437.0
POTASSIUM (K) DIS	21.0	21.0
TOTAL ALKALINITY AS CACO3	640.0	640.0
BICARBONATE (HCO3)	780.0	780.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1200.0	1200.0
CHLORIDE (CL)	5.0	5.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.8	1.1
	J4D	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	0.007	0.007
BARIUM (BA) DIS	0.02	0.02
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.44	0.44
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.161	0.162
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	0.004	0.005
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P3	AVF8-P3
SAMPLE DATE	08/28/2013	08/28/2013
SAMPLE TIME	12:15	12:30
LAB	EL	EL
LAB NUMBER	3080563007	3080563008
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1308-907	OCC-1308-908
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	8.61	
PH (FLD)	7.41	
PH	7.5	7.4
SC (UMHOS/CM AT 25 C)	5680.0	5660.0
SC (UMHOS/CM AT 25 C) (FLD)	5510.0	
TDS (MEASURED AT 180 C)	4220.0	4300.0
WATER TEMPERATURE (FLD)	15.2	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	191.0	192.0
MAGNESIUM (MG) DIS	338.0	343.0
SODIUM (NA) DIS	730.0	738.0
POTASSIUM (K) DIS	25.0	25.0
SULFATE (SO4)	2800.0	2900.0
CHLORIDE (CL)	28.0	27.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K	B11-K
SAMPLE DATE	07/24/2013	07/24/2013
SAMPLE TIME	12:25	12:27
LAB	EL	EL
LAB NUMBER	3070514011	3070514012
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-110	OCC-1307-111
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	192.85	
PH (FLD)	8.28	
PH	8.3	8.2
SODIUM ADSORPTION RATIO	53.0	52.4
SC (UMHOS/CM AT 25 C)	1100.0	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	946.0	
TDS (MEASURED AT 180 C)	663.0	647.0
WATER TEMPERATURE (FLD)	15.4	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	1.0	1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	289.0	276.0
POTASSIUM (K) DIS	1.0	1.0
TOTAL ALKALINITY AS CACO3	640.0	640.0
BICARBONATE (HCO3)	720.0	720.0
CARBONATE AS CO3	30.0	31.0
SULFATE (SO4)	3.0	3.0
CHLORIDE (CL)	8.0	8.0
FLUORIDE (F)	3.8	3.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.118	0.116
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.14	0.14
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.08	0.06
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.016	0.014
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4
SAMPLE DATE	08/06/2013	08/06/2013
SAMPLE TIME	09:20	09:25
LAB	EL	EL
LAB NUMBER	3080158005	3080158006
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1308-554	OCC-1308-555
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	71.77	
PH (FLD)	7.57	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	7.03	7.07
SC (UMHOS/CM AT 25 C)	4190.0	4220.0
SC (UMHOS/CM AT 25 C) (FLD)	4180.0	
TDS (MEASURED AT 180 C)	3360.0	3350.0
WATER TEMPERATURE (FLD)	13.5	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	143.0	144.0
MAGNESIUM (MG) DIS	222.0	224.0
SODIUM (NA) DIS	576.0	581.0
POTASSIUM (K) DIS	20.0	20.0
TOTAL ALKALINITY AS CACO3	710.0	710.0
BICARBONATE (HCO3)	870.0	870.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1900.0	1900.0
CHLORIDE (CL)	<5.0	<5.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.024	0.024
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.34	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	2.36	2.36
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.375	0.379
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4
SAMPLE DATE	07/30/2013	07/30/2013
SAMPLE TIME	15:40	15:50
LAB	EL	EL
LAB NUMBER	3070565006	3070565007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-505	OCC-1307-506
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	
PH (FLD)	NO MEAS	
PH	7.9	7.9
SODIUM ADSORPTION RATIO	2.22	2.32
SC (UMHOS/CM AT 25 C)	759.0	755.0
SC (UMHOS/CM AT 25 C) (FLD)	815.0	
TDS (MEASURED AT 180 C)	489.0	487.0
TOTAL SUSPENDED SOLIDS	21.0	16.0
TURBIDITY (NTU)	15.7	10.6
	J4D	
WATER TEMPERATURE (FLD)	23.7	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	44.0	44.0
CALCIUM (CA) TRC	46.0	47.0
MAGNESIUM (MG) DIS	23.0	24.0
MAGNESIUM (MG) TRC	24.0	25.0
SODIUM (NA) DIS	73.0	77.0
SODIUM (NA) TRC	74.0	78.0
POTASSIUM (K) DIS	9.0	9.0
POTASSIUM (K) TRC	9.0	10.0
TOTAL ALKALINITY AS CACO3	150.0	150.0
BICARBONATE (HCO3)	180.0	180.0
CARBONATE AS CO3	1.0	2.0
SULFATE (SO4)	240.0	240.0
CHLORIDE (CL)	2.0	2.0
FLUORIDE (F)	0.2	0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.02
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.3	0.3
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.091	0.091
BARIUM (BA) TRC	0.098	0.099
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.06	0.05
BORON (B) TRC	0.07	0.07
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.001	0.001
IRON (FE) DIS	0.23	0.23
IRON (FE) TRC	0.76	0.78
LEAD (PB) DIS	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4
SAMPLE DATE	07/30/2013	07/30/2013
SAMPLE TIME	15:40	15:50
LAB	EL	EL
LAB NUMBER	3070565006	3070565007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-505	OCC-1307-506
-- METALS & MINOR CONSTITUENTS --		
LEAD (PB) TRC	0.0005	0.0006
MANGANESE (MN) DIS	0.116	0.114
MANGANESE (MN) TRC	0.134	0.134
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

TABLE 3: SUMMARY OF FLAGGED DATA

OTTERCREEK COAL: Q3 JULY-SEPT 2013 DATA VALIDATION REPORT (all units mg/L unless otherwise noted)

Site	Sample No	Lab No	Date	Description	Result	EPA Code	Comments
A1	OCC-1307-604	3080047005	7/31/2013	NITRATE + NITRITE AS N	1.26	J4D	32% RPD
A3	OCC-1307-610	3080047011	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
A4	OCC-1307-611	3080047012	7/31/2013	NITRATE + NITRITE AS N	0.07	J4D	32% RPD
A6	OCC-1307-608	3080047009	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
A7	OCC-1307-609	3080047010	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
AVF1-2	OCC-1307-601	3080047002	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
AVF2-2	OCC-1307-603	3080047004	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
AVF3-2	OCC-1307-607	3080047008	7/31/2013	NITRATE + NITRITE AS N	<0.01	UJ4D	32% RPD
AVF5-1	OCC-1307-602	3080047003	7/31/2013	NITRATE + NITRITE AS N	0.98	J4D	32% RPD
AVF6-3	OCC-1307-605	3080047006	7/31/2013	NITRATE + NITRITE AS N	0.8	J4D	32% RPD
P1	OCC-1307-508	3070565009	7/30/2013	TURBIDITY (NTU)	32.7	J4D	39% RPD
P3	OCC-1307-507	3070565008	7/30/2013	TURBIDITY (NTU)	188	J4D	39% RPD
P4	OCC-1307-505	3070565006	7/30/2013	TURBIDITY (NTU)	15.7	J4D	39% RPD
P5	OCC-1307-502	3070565003	7/30/2013	TURBIDITY (NTU)	6.5	J4D	39% RPD
P6	OCC-1307-512	3070565011	7/30/2013	TURBIDITY (NTU)	35	J4D	39% RPD
SW-11	OCC-1307-503	3070565004	7/30/2013	TURBIDITY (NTU)	3.8	J4D	39% RPD
SW-1A	OCC-1307-515	3070565012	7/30/2013	TURBIDITY (NTU)	12.7	J4D	39% RPD
SW-2	OCC-1307-510	3070565010	7/30/2013	TURBIDITY (NTU)	69	J4D	39% RPD
SW-8	OCC-1307-504	3070565005	7/30/2013	TURBIDITY (NTU)	10.3	J4D	39% RPD
B10-O	OCC-1307-106	3070514007	7/24/2013	TOTAL ACIDITY AS CACO3	180	J3	HOLD TIME

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	RINS BLANK	RINS BLANK
SAMPLE DATE	07/25/2013	08/06/2013	07/26/2013	08/06/2013
SAMPLE TIME	10:00	10:55	08:50	15:30
LAB	EL	EL	EL	EL
LAB NUMBER	3070514018	3080121003	3070514026	3080121009
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1307-117	OCC-1308-363	OCC-1307-125	OCC-1308-369
-- PHYSICAL PARAMETERS --				
PH	5.7	5.6	5.8	5.9
SODIUM ADSORPTION RATIO	0.16	0.09	0.14	0.06
SC (UMHOS/CM AT 25 C)	2.0	2.0	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0	<4.0
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	2.0	1.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0	<1.0	<1.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.1	<0.1	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	07/31/2013	9.33	SODIUM ADSORPTION RATIO	08/23/2011-05/16/2013	8	7.81	8.6350	9.15	1.35	HIGHEST
		65.0	MAGNESIUM (MG) DIS	08/23/2011-05/16/2013	8	66.0	85.0000	128.0	0.93	LOWEST
		730.0	TOTAL ALKALINITY AS CACO3	08/23/2011-05/16/2013	8	580.0	661.2500	730.0	1.32	HIGHEST
		860.0	BICARBONATE (HCO3)	08/23/2011-05/16/2013	8	710.0	785.0000	850.0	1.40	HIGHEST
		490.0	SULFATE (SO4)	08/23/2011-05/16/2013	8	500.0	730.0000	1100.0	1.12	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-05/16/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-05/16/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/23/2011-05/16/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-05/16/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-05/16/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
		0.006	SELENIUM (SE) DIS	08/23/2011-05/16/2013	8	0.005	0.0051	0.006	2.47	HIGHEST
		0.3	VANADIUM (V) DIS	08/23/2011-05/16/2013	8	0.2	0.2625	0.3	0.72	HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
A3	07/31/2013	640.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/14/2013	8	560.0	613.7500	630.0	1.10	HIGHEST
		780.0	BICARBONATE (HCO3)	08/24/2011-05/14/2013	8	660.0	742.5000	770.0	1.05	HIGHEST
		1500.0	SULFATE (SO4)	08/24/2011-05/14/2013	8	1300.0	1400.0000	1500.0	1.87	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		0.005	ARSENIC (AS) DIS	08/24/2011-05/14/2013	8	0.004	0.0044	0.005	1.21	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/14/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/14/2013	8	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
A4	07/31/2013	3180.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/14/2013	8	2600.0	2975.0000	3150.0	1.03	HIGHEST
		16.0	POTASSIUM (K) DIS	06/22/2011-05/14/2013	8	14.0	15.2500	16.0	1.06	HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/14/2013	8	490.0	531.2500	550.0	1.47	HIGHEST
		680.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	580.0	643.7500	670.0	1.26	HIGHEST
		1400.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	1200.0	1312.5000	1400.0	1.37	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-05/14/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	0.007	0.0070	0.007		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
A5	07/30/2013	249.0	SODIUM (NA) DIS	08/25/2011-05/15/2013	8	453.0	480.0000	530.0	9.87	LOWEST
		0.5	FLUORIDE (F)	08/25/2011-05/15/2013	8	0.4	0.4750	0.5	0.54	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/15/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.014	MANGANESE (MN) DIS	08/25/2011-05/15/2013	8	<0.005	0.0060	0.012	2.01	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/15/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/15/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
A6	07/31/2013	780.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/16/2013	8	690.0	748.7500	770.0	1.23	HIGHEST
		960.0	BICARBONATE (HCO3)	06/22/2011-05/16/2013	8	840.0	913.7500	940.0	1.44	HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-05/16/2013	8	14.0	21.3750	28.0	2.25	LOWEST
		0.7	FLUORIDE (F)	06/22/2011-05/16/2013	8	0.3	0.6000	0.7	0.76	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/16/2013	8	0.01	0.4288	2.39	0.51	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/16/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/16/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/16/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-05/16/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/16/2013	8	<0.0005		<0.0005		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/22/2011-05/16/2013	8	0.008	0.0090	0.01	1.87	HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/16/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
A7	07/31/2013	3940.0	SC (UMHOS/CM AT 25 C)	08/24/2011-05/14/2013	8	3200.0	3670.0000	3920.0	0.96	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/14/2013	8	560.0	610.0000	630.0	1.32	HIGHEST
		780.0	BICARBONATE (HCO3)	08/24/2011-05/14/2013	8	670.0	740.0000	770.0	1.26	HIGHEST
		1800.0	SULFATE (SO4)	08/24/2011-05/14/2013	8	1600.0	1687.5000	1800.0	1.35	HIGHEST
		0.9	FLUORIDE (F)	08/24/2011-05/14/2013	8	0.8	0.8750	0.9	0.54	HIGHEST
		0.003	ARSENIC (AS) DIS	08/24/2011-05/14/2013	8	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		0.502	MANGANESE (MN) DIS	08/24/2011-05/14/2013	8	0.514	0.5366	0.562	1.94	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/14/2013	8	<0.00005		<0.00005		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/14/2013	8	0.005	0.0050	0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
AVF1-2	07/31/2013	1820.0	SC (UMHOS/CM AT 25 C)	06/23/2011-05/15/2013	8	1530.0	1686.2500	1790.0	1.53	HIGHEST
		165.0	SODIUM (NA) DIS	06/23/2011-05/15/2013	8	236.0	243.3750	254	> 10	LOWEST
		17.0	POTASSIUM (K) DIS	06/23/2011-05/15/2013	8	14.0	16.0000	17.0	1.08	HIGHEST
		520.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/15/2013	8	450.0	495.0000	520.0	0.92	HIGHEST
		640.0	BICARBONATE (HCO3)	06/23/2011-05/15/2013	8	540.0	595.0000	630.0	1.25	HIGHEST
		6.0	CHLORIDE (CL)	06/23/2011-05/15/2013	8	7	7.7500	9.0	1.97	LOWEST
		0.1	ALUMINUM (AL) DIS	06/23/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-05/15/2013	8	<0.003		0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-05/15/2013	8	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		0.176	MANGANESE (MN) DIS	06/23/2011-05/15/2013	8	0.186	0.1904	0.201	3.07	LOWEST
		0.01	MOLYBDENUM (MO) DIS	06/23/2011-05/15/2013	8	0.009	0.0098	0.01	0.54	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/15/2013	8	<0.1		<0.1		HIGHEST

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A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
AVF2-2	07/31/2013	6.23	SODIUM ADSORPTION RATIO	06/23/2011-05/15/2013	7	5.83	6.0186	6.16	1.77	HIGHEST
		3440.0	SC (UMHOS/CM AT 25 C)	06/23/2011-05/15/2013	7	3060.0	3260.0000	3350.0	1.52	HIGHEST
		460.0	SODIUM (NA) DIS	06/23/2011-05/15/2013	7	410.0	435.8571	458	1.29	HIGHEST
		510.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/15/2013	7	450.0	481.4286	500.0	1.70	HIGHEST
		620.0	BICARBONATE (HCO3)	06/23/2011-05/15/2013	7	530.0	582.8571	610.0	1.41	HIGHEST
		1500.0	SULFATE (SO4)	06/23/2011-05/15/2013	7	1400.0	1442.8571	1500.0	1.07	HIGHEST
		3.0	CHLORIDE (CL)	06/23/2011-05/15/2013	7	6.0	8.1429	9.0	4.23	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-05/15/2013	7	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-05/15/2013	7	0.003	0.0033	0.004	1.46	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/15/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/15/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-05/15/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-05/15/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/15/2013	7	<0.0005		<0.0005		HIGHEST
		0.712	MANGANESE (MN) DIS	06/23/2011-05/15/2013	7	0.729	0.7786	0.879	1.22	LOWEST
		0.009	MOLYBDENUM (MO) DIS	06/23/2011-05/15/2013	7	0.008	0.0086	0.009	0.80	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/15/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/15/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/15/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/15/2013	7	<0.01		<0.01		HIGHEST
AVF3-2	07/31/2013	5020.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/14/2013	8	4110.0	4691.2500	5000.0	1.03	HIGHEST
		295.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	296.0	310.7500	320.0	1.97	LOWEST
		720.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/14/2013	8	640.0	695.0000	720.0	1.02	HIGHEST
		880.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	780.0	846.2500	870.0	1.17	HIGHEST
		2500.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	2200.0	2362.5000	2500.0	1.30	HIGHEST
		15.0	CHLORIDE (CL)	06/22/2011-05/14/2013	8	17.0	21.8750	28.0	1.87	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		0.003		HIGHEST
		0.02	BARIUM (BA) DIS	06/22/2011-05/14/2013	8	0.021	0.0218	0.024	1.50	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		1.7	IRON (FE) DIS	06/22/2011-05/14/2013	8	1.72	1.7963	1.99	1.07	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
AVF5-1	07/31/2013	1620.0	SC (UMHOS/CM AT 25 C)	06/23/2011-05/15/2013	8	1300.0	1491.2500	1590.0	1.25	HIGHEST
		14.0	POTASSIUM (K) DIS	06/23/2011-05/15/2013	8	12.0	13.2500	14.0	1.06	HIGHEST
		460.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/15/2013	8	410.0	433.7500	450.0	2.02	HIGHEST
		560.0	BICARBONATE (HCO3)	06/23/2011-05/15/2013	8	490.0	526.2500	540.0	2.00	HIGHEST
		0.98	NITRATE + NITRITE AS N	06/23/2011-05/15/2013	8	0.57	0.7700	0.95	1.39	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/15/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-05/15/2013	8	NR		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-05/15/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/23/2011-05/15/2013	8	0.007	0.0075	0.008	0.94	HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
AVF6-3	07/31/2013	3100.0	SC (UMHOS/CM AT 25 C)	08/24/2011-05/15/2013	8	2500.0	2877.5000	3030.0	1.07	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/15/2013	8	560.0	607.5000	640.0	1.30	HIGHEST
		780.0	BICARBONATE (HCO3)	08/24/2011-05/15/2013	8	650.0	715.0000	760.0	1.69	HIGHEST
		1200.0	SULFATE (SO4)	08/24/2011-05/15/2013	8	1000.0	1112.5000	1200.0	1.05	HIGHEST

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		5.0	CHLORIDE (CL)	08/24/2011-05/15/2013	8	7.0	11.0000	17.0	2.02	LOWEST
		0.8	FLUORIDE (F)	08/24/2011-05/15/2013	8	0.7	0.7500	0.8	0.94	HIGHEST
		0.8	NITRATE + NITRITE AS N	08/24/2011-05/15/2013	8	0.85	0.8888	0.92	2.96	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-05/15/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		0.161	MANGANESE (MN) DIS	08/24/2011-05/15/2013	8	0.164	0.1700	0.182	1.48	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/15/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/15/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		0.004	SELENIUM (SE) DIS	08/24/2011-05/15/2013	8	0.003	0.0039	0.004	0.35	HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
AVF6-3	07/31/2013	3110.0	SC (UMHOS/CM AT 25 C)	08/24/2011-05/15/2013	8	2500.0	2877.5000	3030.0	1.12	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/15/2013	8	560.0	607.5000	640.0	1.30	HIGHEST
		780.0	BICARBONATE (HCO3)	08/24/2011-05/15/2013	8	650.0	715.0000	760.0	1.69	HIGHEST
		1200.0	SULFATE (SO4)	08/24/2011-05/15/2013	8	1000.0	1112.5000	1200.0	1.05	HIGHEST
		5.0	CHLORIDE (CL)	08/24/2011-05/15/2013	8	7.0	11.0000	17.0	2.02	LOWEST
		0.8	FLUORIDE (F)	08/24/2011-05/15/2013	8	0.7	0.7500	0.8	0.94	HIGHEST
		1.1	NITRATE + NITRITE AS N	08/24/2011-05/15/2013	8	0.85	0.8888	0.92	7.05	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-05/15/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		0.162	MANGANESE (MN) DIS	08/24/2011-05/15/2013	8	0.164	0.1700	0.182	1.31	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/15/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/15/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		0.005	SELENIUM (SE) DIS	08/24/2011-05/15/2013	8	0.003	0.0039	0.004	3.18	HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
B1-U	08/06/2013	1030.0	TDS (MEASURED AT 180 C)	06/23/2011-05/15/2013	8	808.0	950.3750	1010.0	1.21	HIGHEST
		74.0	CALCIUM (CA) DIS	06/23/2011-05/15/2013	8	59.0	65.1250	71.0	2.61	HIGHEST
		104.0	MAGNESIUM (MG) DIS	06/23/2011-05/15/2013	8	93.0	99.1250	104.0	1.25	HIGHEST
		20.0	POTASSIUM (K) DIS	06/23/2011-05/15/2013	8	17.0	18.8750	20.0	1.35	HIGHEST
		300.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/15/2013	8	270.0	286.2500	300.0	1.50	HIGHEST
		360.0	BICARBONATE (HCO3)	06/23/2011-05/15/2013	8	310.0	340.0000	360.0	1.18	HIGHEST
		550.0	SULFATE (SO4)	06/23/2011-05/15/2013	8	500.0	517.5000	550.0	1.95	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-05/15/2013	8	<0.003	0.0023	0.003	2.18	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		1.02	BORON (B) DIS	06/23/2011-05/15/2013	8	1.11	1.1988	1.36	2.47	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		0.001	CHROMIUM (CR) DIS	06/23/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) DIS	06/23/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/15/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) DIS	06/23/2011-05/15/2013	8	<0.001	0.0009	0.002	2.17	HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
B2-K	08/06/2013	50.5	SODIUM ADSORPTION RATIO	06/29/2011-05/09/2013	8	51.5	53.8000	58.6	1.52	LOWEST
		3380.0	TDS (MEASURED AT 180 C)	06/29/2011-05/09/2013	8	1950.0	3086.2500	3380.0	0.63	HIGHEST
		25.0	CALCIUM (CA) DIS	06/29/2011-05/09/2013	8	21.0	22.0000	24.0	2.81	HIGHEST
		9.0	MAGNESIUM (MG) DIS	06/29/2011-05/09/2013	8	8.0	8.3750	9.0	1.21	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1500.0	BICARBONATE (HCO3)	06/29/2011-05/09/2013	8	1200.0	1392.5000	1500.0	1.26	HIGHEST
		1500.0	SULFATE (SO4)	06/29/2011-05/09/2013	8	1200.0	1370.0000	1500.0	1.33	HIGHEST
		<5.0	CHLORIDE (CL)	06/29/2011-05/09/2013	8	10.0	13.5000	16.0	3.75	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/29/2011-05/09/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-05/09/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-05/09/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-05/09/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-05/09/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-05/09/2013	8	<0.01		0.01		HIGHEST
B2-U	08/06/2013	2.0	CALCIUM (CA) DIS	06/29/2011-05/09/2013	8	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-05/09/2013	8	<1.0		<1.0		HIGHEST
		35.0	CHLORIDE (CL)	06/29/2011-05/09/2013	8	30.0	32.8750	34.0	1.57	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-05/09/2013	8	<0.1		0.1		HIGHEST
		0.068	BARIUM (BA) DIS	06/29/2011-05/09/2013	8	0.045	0.0594	0.068	1.17	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-05/09/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-05/09/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
B3-K	07/24/2013	11.0	POTASSIUM (K) DIS	08/24/2011-05/08/2013	8	9.0	10.0000	11.0	1.87	HIGHEST
		900.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/08/2013	8	830.0	867.5000	900.0	1.18	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/24/2011-05/08/2013	8	1000.0	1062.5000	1100.0	0.72	HIGHEST
		0.2	FLUORIDE (F)	08/24/2011-05/08/2013	8	<0.2	0.1875	0.2	0.35	HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
B3-U	07/24/2013	3.0	CALCIUM (CA) DIS	08/24/2011-05/08/2013	8	2.0	2.5000	3.0	0.94	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-05/08/2013	8	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/24/2011-05/08/2013	8	1.0	1.0000	1.0		HIGHEST
		4.8	FLUORIDE (F)	08/24/2011-05/08/2013	8	1.6	1.9375	2.1	> 10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		0.079	BARIUM (BA) DIS	08/24/2011-05/08/2013	8	0.054	0.0620	0.067	3.18	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		0.16	BORON (B) DIS	08/24/2011-05/08/2013	8	0.14	0.1525	0.16	1.06	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		0.012	MANGANESE (MN) DIS	08/24/2011-05/08/2013	8	0.015	0.0225	0.042	1.13	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/08/2013	8	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
B4-K	07/25/2013	8.0	POTASSIUM (K) DIS	08/24/2011-05/07/2013	8	7.0	7.8750	8.0	0.35	HIGHEST
		830.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/07/2013	8	720.0	767.5000	810.0	2.14	HIGHEST
		980.0	BICARBONATE (HCO3)	08/24/2011-05/07/2013	8	850.0	923.7500	970.0	1.28	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-05/07/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		0.21	BORON (B) DIS	08/24/2011-05/07/2013	8	0.17	0.1925	0.21	1.18	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/07/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/07/2013	8	<0.0005		<0.0005		HIGHEST
		0.053	MANGANESE (MN) DIS	08/24/2011-05/07/2013	8	0.059	0.0850	0.128	1.24	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/07/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-05/07/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/07/2013	8	<0.01		0.01		HIGHEST
B4-O	07/25/2013	148.0	CALCIUM (CA) DIS	08/24/2011-05/08/2013	8	150.0	155.3750	166.0	1.20	LOWEST
		1100.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/08/2013	8	1000.0	1075.0000	1100.0	0.54	HIGHEST
		1400.0	BICARBONATE (HCO3)	08/24/2011-05/08/2013	8	1200.0	1337.5000	1400.0	0.84	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/08/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		0.049	MANGANESE (MN) DIS	08/24/2011-05/08/2013	8	0.052	0.2326	0.819	0.68	LOWEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
B4-U	07/25/2013	3.0	POTASSIUM (K) DIS	08/25/2011-05/08/2013	8	2.0	2.3750	3.0	1.21	HIGHEST
		710.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/08/2013	8	620.0	680.0000	710.0	1.06	HIGHEST
		37.0	CARBONATE AS CO3	08/25/2011-05/08/2013	8	<1.0	22.6875	36.0	1.02	HIGHEST
		430.0	SULFATE (SO4)	08/25/2011-05/08/2013	8	440.0	472.5000	520.0	1.43	LOWEST
		0.7	ALUMINUM (AL) DIS	08/25/2011-05/08/2013	8	<0.1	0.2813	0.6	2.13	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	08/25/2011-05/08/2013	8	<0.001		0.001		HIGHEST
		0.28	IRON (FE) DIS	08/25/2011-05/08/2013	8	<0.05	0.1331	0.23	1.84	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
B5-K	08/06/2013	2.0	CALCIUM (CA) DIS	06/23/2011-05/08/2013	8	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-05/08/2013	8	<1.0		<1.0		HIGHEST
		362.0	SODIUM (NA) DIS	06/23/2011-05/08/2013	8	312.0	331.1250	346	2.61	HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-05/08/2013	8	2.0	2.0000	2.0		HIGHEST
		800.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/08/2013	8	700.0	742.5000	790.0	1.66	HIGHEST
		910.0	BICARBONATE (HCO3)	06/23/2011-05/08/2013	8	790.0	840.0000	890.0	2.05	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		0.001	COPPER (CU) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	06/23/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
B5-O	08/06/2013	1100.0	BICARBONATE (HCO3)	06/23/2011-05/09/2013	8	930.0	1026.2500	1100.0	0.92	HIGHEST
		48.0	CHLORIDE (CL)	06/23/2011-05/09/2013	8	36.0	43.3750	48.0	0.99	HIGHEST
		0.031	BARIUM (BA) DIS	06/23/2011-05/09/2013	8	0.032	0.0538	0.182	0.44	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/09/2013	8	<0.001		0.001		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/09/2013	8	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
B5-U	08/06/2013	49.1	SODIUM ADSORPTION RATIO	06/23/2011-05/08/2013	8	43.3	44.9750	47.4	3.19	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-05/08/2013	8	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-05/08/2013	8	<1.0		<1.0		HIGHEST
		278.0	SODIUM (NA) DIS	06/23/2011-05/08/2013	8	254.0	260.7500	271	3.35	HIGHEST
		1.0	POTASSIUM (K) DIS	06/23/2011-05/08/2013	8	1.0	1.0000	1.0		HIGHEST
		590.0	TOTAL ALKALINITY AS CACO3	06/23/2011-05/08/2013	8	520.0	565.0000	580.0	1.30	HIGHEST
		640.0	BICARBONATE (HCO3)	06/23/2011-05/08/2013	8	560.0	618.7500	640.0	0.84	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/23/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/23/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	06/23/2011-05/08/2013	8	0.16	0.1675	0.18	2.47	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/23/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/23/2011-05/08/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/23/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		0.011	MANGANESE (MN) DIS	06/23/2011-05/08/2013	8	0.007	0.0081	0.01	2.55	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/23/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
B6-K	07/26/2013	1520.0	SC (UMHOS/CM AT 25 C)	08/25/2011-05/08/2013	8	1340.0	1447.5000	1520.0	1.01	HIGHEST
		3.0	CALCIUM (CA) DIS	08/25/2011-05/08/2013	8	2.0	2.7500	3.0	0.54	HIGHEST
		1.0	MAGNESIUM (MG) DIS	08/25/2011-05/08/2013	8	<1.0		1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-05/08/2013	8	2.0	2.0000	2.0		HIGHEST
		880.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/08/2013	8	780.0	846.2500	870.0	1.22	HIGHEST
		5.0	CHLORIDE (CL)	08/25/2011-05/08/2013	8	6.0	7.2500	8.0	3.18	LOWEST
		0.9	FLUORIDE (F)	08/25/2011-05/08/2013	8	<1.0	0.8750	1.0	0.15	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/25/2011-05/08/2013	8	0.11	0.1338	0.14	0.59	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
B6-O	07/26/2013	1170.0	SODIUM (NA) DIS	08/25/2011-05/08/2013	8	1190.0	1258.7500	1380.0	1.51	LOWEST
		1300.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/08/2013	8	1200.0	1286.2500	1300.0	0.39	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	08/25/2011-05/08/2013	8	<0.001	0.0015	0.002	2.12	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/08/2013	8	<0.01		0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
B6-U	07/26/2013	47.5	SODIUM ADSORPTION RATIO	08/25/2011-05/08/2013	8	41.9	44.1875	45.8	2.70	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/25/2011-05/08/2013	8	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-05/08/2013	8	<1.0	0.8750	1.0	0.54	HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	08/25/2011-05/08/2013	8	490.0	530.8750	550.0	1.52	HIGHEST
		600.0	BICARBONATE (HCO3)	08/25/2011-05/08/2013	8	530.0	579.8750	600.0	0.91	HIGHEST
		<1.0	SULFATE (SO4)	08/25/2011-05/08/2013	8	<1.0		<1.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/08/2013	8	<0.003		<0.003		HIGHEST
		0.025	BARIUM (BA) DIS	08/25/2011-05/08/2013	8	0.019	0.0223	0.025	1.44	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/25/2011-05/08/2013	8	0.11	0.1238	0.13	0.84	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/08/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/08/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/08/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/08/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-05/08/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/08/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/08/2013	8	<0.01		<0.01		HIGHEST
B7-KL	07/23/2013	<1.0	MAGNESIUM (MG) DIS	06/21/2011-05/06/2013	8	<1.0		<1		HIGHEST
		328.0	SODIUM (NA) DIS	06/21/2011-05/06/2013	8	336	346.1250	363.0	1.80	LOWEST
		2.0	POTASSIUM (K) DIS	06/21/2011-05/06/2013	8	2.0	2.0000	2		HIGHEST
		350.0	TOTAL ALKALINITY AS CACO3	06/21/2011-05/06/2013	8	310.0	336.0000	350.0	1.06	HIGHEST
		390.0	SULFATE (SO4)	06/21/2011-05/06/2013	8	410.0	423.8750	431.0	4.48	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-05/06/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		0.11	BORON (B) DIS	06/21/2011-05/06/2013	8	0.09	0.0975	0.11	1.77	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-05/06/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
B7-KU	07/23/2013	1620.0	SC (UMHOS/CM AT 25 C)	06/21/2011-05/06/2013	8	1680.0	2007.5000	3410.0	0.67	LOWEST
		3.0	CALCIUM (CA) DIS	06/21/2011-05/06/2013	8	4.0	6.2500	17	0.73	LOWEST
		398.0	SODIUM (NA) DIS	06/21/2011-05/06/2013	8	406	503.6250	882	0.67	LOWEST
		76.0	SULFATE (SO4)	06/21/2011-05/06/2013	8	84.0	237.1250	1000.0	0.52	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-05/06/2013	8	<0.003		<0.003		HIGHEST
		0.068	BARIUM (BA) DIS	06/21/2011-05/06/2013	8	0.024	0.0456	0.059	1.96	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-05/06/2013	8	<0.005		<0.005		HIGHEST

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SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NICKEL (NI) DIS	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
B7-O	07/23/2013	20.0	CALCIUM (CA) DIS	06/21/2011-05/06/2013	8	21.0	22.2500	26.0	1.35	LOWEST
		9.0	MAGNESIUM (MG) DIS	06/21/2011-05/06/2013	8	10.0	10.0000	10		LOWEST
		930.0	TOTAL ALKALINITY AS CACO3	06/21/2011-05/06/2013	8	820.0	886.8750	920.0	1.32	HIGHEST
		1100.0	BICARBONATE (HCO3)	06/21/2011-05/06/2013	8	930.0	1032.5000	1100.0	1.04	HIGHEST
		13.0	CHLORIDE (CL)	06/21/2011-05/06/2013	8	9.0	11.0000	13.0	1.32	HIGHEST
		0.01	NITRATE + NITRITE AS N	06/21/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/21/2011-05/06/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		0.19	BORON (B) DIS	06/21/2011-05/06/2013	8	0.15	0.1613	0.17	3.45	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-05/06/2013	8	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-05/06/2013	8	<0.01		0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-05/06/2013	8	<0.01		0.01		HIGHEST
B7-U	07/23/2013	43.6	SODIUM ADSORPTION RATIO	06/21/2011-05/07/2013	8	44.3	47.2000	53.7	1.10	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/21/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/21/2011-05/07/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-05/07/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/21/2011-05/07/2013	8	<0.0005		<0.0005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/21/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/21/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/21/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
B8-KL	07/25/2013	520.0	TOTAL ALKALINITY AS CACO3	08/23/2011-05/06/2013	8	460.0	497.2500	520.0	0.94	HIGHEST
		20.0	CHLORIDE (CL)	08/23/2011-05/06/2013	8	10.0	15.1250	20.0	1.37	HIGHEST
		1.3	FLUORIDE (F)	08/23/2011-05/06/2013	8	0.9	1.1625	1.3	0.98	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-05/06/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		0.13	BORON (B) DIS	08/23/2011-05/06/2013	8	0.11	0.1200	0.13	1.32	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-05/06/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-05/06/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
B8-KU	07/25/2013	3360.0	SC (UMHOS/CM AT 25 C)	08/23/2011-05/06/2013	8	2710.0	3137.5000	3310.0	0.91	HIGHEST
		5.0	CHLORIDE (CL)	08/23/2011-05/06/2013	8	7.0	8.8750	11.0	2.66	LOWEST
		0.3	FLUORIDE (F)	08/23/2011-05/06/2013	8	0.2	0.2375	0.3	1.21	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-05/06/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.0005	LEAD (PB) DIS	08/23/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-05/06/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-05/06/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-05/06/2013	8	<0.01		0.01		HIGHEST
B8-O	07/25/2013	2520.0	SC (UMHOS/CM AT 25 C)	08/23/2011-05/06/2013	8	2060.0	2300.0000	2480.0	1.55	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-05/06/2013	8	<0.1		0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		0.19	IRON (FE) DIS	08/23/2011-05/06/2013	8	<0.05	0.0906	0.17	1.57	HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-05/06/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-05/06/2013	8	<0.005		<0.005		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-05/06/2013	8	<0.01		0.01		HIGHEST
B8-U	07/25/2013	620.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/06/2013	8	540.0	590.0000	620.0	1.17	HIGHEST
		42.0	CARBONATE AS CO3	08/24/2011-05/06/2013	8	23.0	34.0000	42.0	1.08	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/24/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		0.15	BORON (B) DIS	08/24/2011-05/06/2013	8	0.12	0.1375	0.15	1.21	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/06/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-05/06/2013	8	<0.001		0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/24/2011-05/06/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	08/24/2011-05/06/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/06/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/06/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/06/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/06/2013	8	<0.01		<0.01		HIGHEST
B9-K	07/23/2013	60.7	SODIUM ADSORPTION RATIO	08/23/2011-05/09/2013	8	54.2	56.1875	58.5	2.80	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/23/2011-05/09/2013	8	<1.0		1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-05/09/2013	8	2.0	2.0000	2.0		HIGHEST
		950.0	TOTAL ALKALINITY AS CACO3	08/23/2011-05/09/2013	8	840.0	906.2500	950.0	1.07	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/23/2011-05/09/2013	8	930.0	1012.5000	1100.0	1.48	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/23/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/23/2011-05/09/2013	8	<0.003		<0.003		HIGHEST
		0.115	BARIUM (BA) DIS	08/23/2011-05/09/2013	8	0.087	0.0950	0.106	3.22	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/23/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	08/23/2011-05/09/2013	8	0.12	0.1263	0.13	2.66	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/23/2011-05/09/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-05/09/2013	8	<0.001		0.001		HIGHEST
		0.17	IRON (FE) DIS	08/23/2011-05/09/2013	8	<0.05	0.1069	0.17	1.20	HIGHEST
		<0.0005	LEAD (PB) DIS	08/23/2011-05/09/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/23/2011-05/09/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-05/09/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/23/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/23/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/23/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
B9-U	07/23/2013	<1.0	MAGNESIUM (MG) DIS	08/24/2011-05/09/2013	8	<1.0		<1.0		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1.0	POTASSIUM (K) DIS	08/24/2011-05/09/2013	8	1.0	1.0000	1.0		HIGHEST
		570.0	TOTAL ALKALINITY AS CACO3	08/24/2011-05/09/2013	8	500.0	541.2500	560.0	1.11	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/24/2011-05/09/2013	8	<0.003		<0.003		HIGHEST
		0.081	BARIUM (BA) DIS	08/24/2011-05/09/2013	8	0.035	0.0458	0.063	4.00	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/24/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	08/24/2011-05/09/2013	8	0.11	0.1163	0.12	0.72	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/24/2011-05/09/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		0.026	MANGANESE (MN) DIS	08/24/2011-05/09/2013	8	0.012	0.0185	0.026	1.44	HIGHEST
		<0.00005	MERCURY (HG) DIS	08/24/2011-05/09/2013	8	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/24/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/24/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/24/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
B10-KL	07/24/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/09/2013	8	<1.0		1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-05/09/2013	8	2.0	2.0000	2.0		HIGHEST
		830.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/09/2013	8	730.0	798.7500	820.0	1.03	HIGHEST
		930.0	BICARBONATE (HCO3)	06/22/2011-05/09/2013	8	800.0	890.0000	930.0	0.93	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/09/2013	8	<0.01		0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		0.015	MANGANESE (MN) DIS	06/22/2011-05/09/2013	8	0.016	0.0228	0.041	0.84	LOWEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/09/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/09/2013	8	<0.01		<0.01		HIGHEST
B10-KU	07/24/2013	87.0	CALCIUM (CA) DIS	03/10/2011-05/09/2013	9	89.0	92.9889	100.0	1.57	LOWEST
		1070.0	SODIUM (NA) DIS	03/10/2011-05/09/2013	9	1080.0	1117.7778	1160	1.50	LOWEST
		1200.0	TOTAL ALKALINITY AS CACO3	03/10/2011-05/09/2013	9	1100.0	1175.5556	1200.0	0.56	HIGHEST
		1500.0	BICARBONATE (HCO3)	03/10/2011-05/09/2013	9	1180	1397.7778	1500.0	0.81	HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-05/09/2013	9	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/09/2013	9	NA		<0.001		HIGHEST
		0.29	BORON (B) DIS	03/10/2011-05/09/2013	9	0.25	0.2644	0.29	1.92	HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-05/09/2013	9	<0.00008		<0.00008		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-05/09/2013	9	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-05/09/2013	9	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-05/09/2013	9	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-05/09/2013	9	<0.1		<0.10		HIGHEST
B10-O	07/24/2013	25.0	SODIUM ADSORPTION RATIO	06/22/2011-05/09/2013	8	21.9	23.8625	24.7	1.08	HIGHEST
		27.0	CALCIUM (CA) DIS	06/22/2011-05/09/2013	8	28.0	34.0000	46.0	1.33	LOWEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/09/2013	8	<0.1		<0.1		HIGHEST
B10-U	07/24/2013	46.1	SODIUM ADSORPTION RATIO	03/10/2011-05/09/2013	9	37.7	43.3222	45.6	1.14	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	03/10/2011-05/09/2013	9	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	03/10/2011-05/09/2013	9	2.0	2.0000	2.0		HIGHEST
		2.4	FLUORIDE (F)	03/10/2011-05/09/2013	9	2.0	2.1444	2.4	1.41	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-05/09/2013	9	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	03/10/2011-05/09/2013	9	<0.003		<0.003		HIGHEST
		0.139	BARIUM (BA) DIS	03/10/2011-05/09/2013	9	0.11	0.1237	0.134	2.07	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/09/2013	9	NA		<0.001		HIGHEST
		0.16	BORON (B) DIS	03/10/2011-05/09/2013	9	0.15	0.1533	0.16	1.33	HIGHEST
		<0.00008	CADMIUM (CD) DIS	03/10/2011-05/09/2013	9	<0.00008		<0.000080		HIGHEST
		<0.001	CHROMIUM (CR) DIS	03/10/2011-05/09/2013	9	<0.001		<0.0010		HIGHEST
		<0.0005	LEAD (PB) DIS	03/10/2011-05/09/2013	9	<0.0005		<0.00050		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/09/2013	9	NA		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-05/09/2013	9	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	03/10/2011-05/09/2013	9	<0.01		<0.010		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-05/09/2013	9	<0.001		<0.0010		HIGHEST
		<0.1	VANADIUM (V) DIS	03/10/2011-05/09/2013	9	<0.1		<0.10		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) DIS	03/10/2011-05/09/2013	9	<0.01		<0.010		HIGHEST
B11-K	07/24/2013	53.0	SODIUM ADSORPTION RATIO	06/22/2011-05/07/2013	8	21.6	47.0500	52.2	0.58	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/07/2013	8	<1.0		<1.0		HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/07/2013	8	560.0	611.2500	640.0	0.99	HIGHEST
		720.0	BICARBONATE (HCO3)	06/22/2011-05/07/2013	8	630.0	691.2500	720.0	0.90	HIGHEST
		3.8	FLUORIDE (F)	06/22/2011-05/07/2013	8	1.3	1.5750	2.0	> 10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/07/2013	8	<0.003		<0.003		HIGHEST
		0.118	BARIUM (BA) DIS	06/22/2011-05/07/2013	8	0.088	0.1051	0.116	1.34	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/22/2011-05/07/2013	8	0.12	0.1313	0.14	1.37	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/07/2013	8	<0.0005		<0.0005		HIGHEST
		0.016	MANGANESE (MN) DIS	06/22/2011-05/07/2013	8	0.014	0.0149	0.016	1.76	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/07/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/07/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
B11-K	07/24/2013	52.4	SODIUM ADSORPTION RATIO	06/22/2011-05/07/2013	8	21.6	47.0500	52.2	0.52	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/07/2013	8	<1.0		<1.0		HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/07/2013	8	560.0	611.2500	640.0	0.99	HIGHEST
		720.0	BICARBONATE (HCO3)	06/22/2011-05/07/2013	8	630.0	691.2500	720.0	0.90	HIGHEST
		3.8	FLUORIDE (F)	06/22/2011-05/07/2013	8	1.3	1.5750	2.0	> 10	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/07/2013	8	<0.003		<0.003		HIGHEST
		0.116	BARIUM (BA) DIS	06/22/2011-05/07/2013	8	0.088	0.1051	0.116	1.13	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		0.14	BORON (B) DIS	06/22/2011-05/07/2013	8	0.12	0.1313	0.14	1.37	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/07/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/07/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/07/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
B11-O	07/24/2013	41.0	MAGNESIUM (MG) DIS	06/23/2011-05/07/2013	8	33.0	38.3750	41.0	0.83	HIGHEST
		13.0	POTASSIUM (K) DIS	06/23/2011-05/07/2013	8	10.0	11.3750	12.0	2.18	HIGHEST
		2.4	FLUORIDE (F)	06/23/2011-05/07/2013	8	0.8	0.9625	1.3	9.55	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/23/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		0.154	MANGANESE (MN) DIS	06/23/2011-05/07/2013	8	0.155	0.2164	0.320	1.22	LOWEST
		<0.00005	MERCURY (HG) DIS	06/23/2011-05/07/2013	8	<0.00005		<0.00005		HIGHEST
		<0.1	VANADIUM (V) DIS	06/23/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
B11-U	07/24/2013	2.0	CALCIUM (CA) DIS	06/24/2011-05/07/2013	8	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-05/07/2013	8	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-05/07/2013	8	1.0	1.0000	1.0		HIGHEST
		560.0	TOTAL ALKALINITY AS CACO3	06/24/2011-05/07/2013	8	500.0	535.0000	560.0	1.07	HIGHEST
		4.1	FLUORIDE (F)	06/24/2011-05/07/2013	8	1.5	1.7500	2.0	> 10	HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-05/07/2013	8	<0.003		<0.003		HIGHEST
		0.068	BARIUM (BA) DIS	06/24/2011-05/07/2013	8	0.056	0.0598	0.064	2.98	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	06/24/2011-05/07/2013	8	0.1	0.1113	0.12	1.37	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/07/2013	8	<0.00008		<0.00008		HIGHEST

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N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-05/07/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/07/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-05/07/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-05/07/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-05/07/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/07/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-05/07/2013	8	<0.01		<0.01		HIGHEST
C-2	08/06/2013	1.4	FLUORIDE (F)	06/29/2011-05/15/2013	8	0.5	1.0625	1.3	1.38	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/29/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		0.004	ARSENIC (AS) DIS	06/29/2011-05/15/2013	8	0.003	0.0036	0.004	0.72	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/29/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/29/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		0.005	CHROMIUM (CR) DIS	06/29/2011-05/15/2013	8	0.002	0.0026	0.003	4.59	HIGHEST
		0.004	COPPER (CU) DIS	06/29/2011-05/15/2013	8	<0.001		0.002		HIGHEST
		0.07	IRON (FE) DIS	06/29/2011-05/15/2013	8	<0.05		0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/29/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-05/15/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/29/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/29/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/29/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
C-3	08/06/2013	188.0	MAGNESIUM (MG) DIS	06/22/2011-05/15/2013	8	169.0	176.7500	186.0	1.92	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/15/2013	8	570.0	615.0000	640.0	1.17	HIGHEST
		780.0	BICARBONATE (HCO3)	06/22/2011-05/15/2013	8	660.0	737.5000	770.0	1.06	HIGHEST
		1500.0	SULFATE (SO4)	06/22/2011-05/15/2013	8	1300.0	1400.0000	1500.0	1.32	HIGHEST
		0.9	FLUORIDE (F)	06/22/2011-05/15/2013	8	0.7	0.7875	0.9	1.76	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/15/2013	8	<0.003		<0.003		HIGHEST
		0.018	BARIUM (BA) DIS	06/22/2011-05/15/2013	8	0.014	0.0151	0.016	4.49	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		0.44	BORON (B) DIS	06/22/2011-05/15/2013	8	0.45	0.4825	0.53	1.54	LOWEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		0.002	COPPER (CU) DIS	06/22/2011-05/15/2013	8	<0.001	0.0013	0.002	1.16	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/15/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
C-4	08/06/2013	3360.0	TDS (MEASURED AT 180 C)	06/22/2011-05/14/2013	8	3040.0	3182.5000	3300.0	1.71	HIGHEST
		870.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	750.0	822.5000	860.0	1.11	HIGHEST
		1900.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	1600.0	1750.0000	1900.0	1.15	HIGHEST
		<5.0	CHLORIDE (CL)	06/22/2011-05/14/2013	8	12.0	18.5000	36.0	1.83	LOWEST
		0.8	FLUORIDE (F)	06/22/2011-05/14/2013	8	<1.0	0.7000	0.8	1.08	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		0.024	BARIUM (BA) DIS	06/22/2011-05/14/2013	8	0.022	0.0229	0.024	1.35	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		2.36	IRON (FE) DIS	06/22/2011-05/14/2013	8	1.03	1.5188	2.32	2.02	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST

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SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
C-4	08/06/2013	3350.0	TDS (MEASURED AT 180 C)	06/22/2011-05/14/2013	8	3040.0	3182.5000	3300.0	1.61	HIGHEST
		870.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	750.0	822.5000	860.0	1.11	HIGHEST
		1900.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	1600.0	1750.0000	1900.0	1.15	HIGHEST
		<5.0	CHLORIDE (CL)	06/22/2011-05/14/2013	8	12.0	18.5000	36.0	1.83	LOWEST
		0.8	FLUORIDE (F)	06/22/2011-05/14/2013	8	<1.0	0.7000	0.8	1.08	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		0.024	BARIUM (BA) DIS	06/22/2011-05/14/2013	8	0.022	0.0229	0.024	1.35	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		2.36	IRON (FE) DIS	06/22/2011-05/14/2013	8	1.03	1.5188	2.32	2.02	HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
FORTUNE	08/06/2013	758.0	MAGNESIUM (MG) DIS	10/27/2010-05/16/2013	8	451.0	669.6250	740.0	0.95	HIGHEST
		6500.0	SULFATE (SO4)	10/27/2010-05/16/2013	8	5400.0	5795.0000	6000.0	3.14	HIGHEST
		<10.0	CHLORIDE (CL)	10/27/2010-05/16/2013	8	15.0	25.0125	32.0	2.50	LOWEST
		<0.1	ALUMINUM (AL) DIS	10/27/2010-05/16/2013	8	<0.030		<0.1		HIGHEST
		<0.1	ALUMINUM (AL) TRC	10/27/2010-05/16/2013	8	<0.030		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	10/27/2010-05/16/2013	8	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	10/27/2010-05/16/2013	8	<0.003		<0.003		HIGHEST
		0.018	BARIUM (BA) DIS	10/27/2010-05/16/2013	8	0.014	0.0158	0.018	1.73	HIGHEST
		0.019	BARIUM (BA) TRC	10/27/2010-05/16/2013	7	0.015	0.0165	0.019	1.87	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-05/16/2013	8	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-05/16/2013	8	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/27/2010-05/16/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	10/27/2010-05/16/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/27/2010-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/27/2010-05/16/2013	8	<0.001		<0.001		HIGHEST
		0.003	COPPER (CU) DIS	10/27/2010-05/16/2013	8	0.0018	0.0024	0.003	1.20	HIGHEST
		<0.05	IRON (FE) DIS	10/27/2010-05/16/2013	8	<0.050		<0.05		HIGHEST
		<0.05	IRON (FE) TRC	10/27/2010-05/16/2013	8	<0.050		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	10/27/2010-05/16/2013	8	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/27/2010-05/16/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	10/27/2010-05/16/2013	8	<0.005		<0.005		HIGHEST
		<0.005	MANGANESE (MN) TRC	10/27/2010-05/16/2013	8	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	10/27/2010-05/16/2013	8	<0.005		0.0033		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	10/27/2010-05/16/2013	8	<0.005		0.0036		HIGHEST
		<0.01	NICKEL (NI) DIS	10/27/2010-05/16/2013	8	<0.010		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/27/2010-05/16/2013	8	<0.010		<0.01		HIGHEST
		0.049	SELENIUM (SE) DIS	10/27/2010-05/16/2013	8	0.0021	0.0179	0.036	2.55	HIGHEST
		0.051	SELENIUM (SE) TRC	10/27/2010-05/16/2013	8	0.0015	0.0164	0.034	3.08	HIGHEST
		<0.1	VANADIUM (V) DIS	10/27/2010-05/16/2013	8	<0.0001		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/16/2013	8	0.00042		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/27/2010-05/16/2013	8	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/27/2010-05/16/2013	8	<0.01		<0.01		HIGHEST
K-1	08/06/2013	1720.0	SC (UMHOS/CM AT 25 C)	06/22/2011-05/14/2013	8	1460.0	1581.2500	1700.0	1.49	HIGHEST
		1090.0	TDS (MEASURED AT 180 C)	06/22/2011-05/14/2013	8	932.0	980.2500	1010.0	3.39	HIGHEST
		5.0	CALCIUM (CA) DIS	06/22/2011-05/14/2013	8	4.0	4.1250	5.0	2.47	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		2.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	2.0	2.0000	2.0		HIGHEST
		437.0	SODIUM (NA) DIS	06/22/2011-05/14/2013	8	364.0	396.2500	420.0	2.15	HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-05/14/2013	8	2.0	2.0000	2.0		HIGHEST
		860.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/14/2013	8	750.0	818.7500	860.0	1.32	HIGHEST
		950.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	820.0	908.7500	950.0	0.99	HIGHEST
		140.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	40.0	76.5000	110.0	2.52	HIGHEST
		1.4	FLUORIDE (F)	06/22/2011-05/14/2013	8	1.2	1.3250	1.4	1.06	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		0.011	MANGANESE (MN) DIS	06/22/2011-05/14/2013	8	<0.005	0.0051	0.008	3.15	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
K-2	08/06/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	<1.0		<1.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		0.103	BARIUM (BA) DIS	06/22/2011-05/14/2013	8	0.09	0.0956	0.103	1.37	HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	9	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/22/2011-05/14/2013	8	<0.05		<0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
K-3	08/06/2013	2.92	SODIUM ADSORPTION RATIO	06/22/2011-05/14/2013	8	3.11	3.3375	3.59	2.22	LOWEST
		100.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	90.0	93.2500	97.0	2.24	HIGHEST
		186.0	SODIUM (NA) DIS	06/22/2011-05/14/2013	8	195	209.8750	234.0	1.90	LOWEST
		14.0	CHLORIDE (CL)	06/22/2011-05/14/2013	8	10.0	12.2500	14.0	1.18	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		0.002	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		0.001		HIGHEST
		0.67	IRON (FE) DIS	06/22/2011-05/14/2013	8	0.79	1.0938	1.77	1.02	LOWEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		0.074	MANGANESE (MN) DIS	06/22/2011-05/14/2013	8	0.086	0.1423	0.336	0.75	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
K-4	08/06/2013	2.0	CALCIUM (CA) DIS	06/22/2011-05/14/2013	8	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-05/14/2013	8	1.0	1.0000	1.0		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		9.0	CHLORIDE (CL)	06/22/2011-05/14/2013	8	7.0	8.0000	9.0	1.08	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		0.002		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/14/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
K-5	08/06/2013	46.0	SODIUM ADSORPTION RATIO	06/22/2011-05/14/2013	8	38.7	42.9875	44.6	1.60	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-05/14/2013	8	<1.0	0.8125	1.0	0.72	HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-05/14/2013	8	2.0	2.0000	2.0		HIGHEST
		760.0	TOTAL ALKALINITY AS CACO3	06/22/2011-05/14/2013	8	670.0	720.0000	760.0	1.28	HIGHEST
		870.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	750.0	822.5000	860.0	1.20	HIGHEST
		1.6	FLUORIDE (F)	06/22/2011-05/14/2013	8	1.3	1.3875	1.5	3.32	HIGHEST
		2.32	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
K-6	08/06/2013	589.0	SODIUM (NA) DIS	06/22/2011-05/14/2013	8	605	656.1250	721.0	1.72	LOWEST
		1200.0	BICARBONATE (HCO3)	06/22/2011-05/14/2013	8	970.0	1101.2500	1200.0	1.15	HIGHEST
		840.0	SULFATE (SO4)	06/22/2011-05/14/2013	8	850.0	963.7500	1200.0	0.98	LOWEST
		0.9	FLUORIDE (F)	06/22/2011-05/14/2013	8	<1.0	0.7875	0.9	0.90	LOWEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/22/2011-05/14/2013	8	<0.01		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/22/2011-05/14/2013	8	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/22/2011-05/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-05/14/2013	8	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/22/2011-05/14/2013	8	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	06/22/2011-05/14/2013	8	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-05/14/2013	8	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-05/14/2013	8	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/22/2011-05/14/2013	8	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/22/2011-05/14/2013	8	<0.01		<0.01		HIGHEST
P1	07/30/2013	7.36	SODIUM ADSORPTION RATIO	10/27/2010-05/15/2013	7	9.14	13.1343	17.4	1.78	LOWEST
		36.0	MAGNESIUM (MG) DIS	06/24/2011-05/15/2013	6	56.0	177.0000	335.0	1.43	LOWEST
		299.0	SODIUM (NA) DIS	06/24/2011-05/15/2013	6	417.0	1032.8333	1590	1.57	LOWEST
		7.0	POTASSIUM (K) DIS	06/24/2011-05/15/2013	6	11.0	28.8333	56.0	1.24	LOWEST
		8.0	POTASSIUM (K) TRC	10/27/2010-05/15/2013	7	10.0	26.2857	55	1.05	LOWEST
		1.0	CHLORIDE (CL)	10/27/2010-05/15/2013	7	<5.0	9.1429	24.0	1.14	LOWEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-05/15/2013	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-05/15/2013	7	NR		0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/15/2013	6	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/15/2013	6	<0.001		<0.001		HIGHEST
		0.05	IRON (FE) DIS	06/24/2011-05/15/2013	6	0.14	0.3317	0.67	1.41	LOWEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/15/2013	6	<0.0005		<0.0005		HIGHEST
		0.044	MANGANESE (MN) DIS	06/24/2011-05/15/2013	6	0.317	0.4850	0.92	1.93	LOWEST
		0.087	MANGANESE (MN) TRC	10/27/2010-05/15/2013	7	0.234	0.6366	1.54	1.15	LOWEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/15/2013	6	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/15/2013	7	0.0058		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-05/15/2013	6	<0.01		<0.01		HIGHEST
P3	07/30/2013	8.5	PH	10/27/2010-03/05/2013	8	7.1	7.7750	8.4	1.57	HIGHEST
		188.0	TURBIDITY (NTU)	10/27/2010-03/05/2013	8	6.7	22.5875	42.8	> 10	HIGHEST
		29.0	CALCIUM (CA) TRC	10/27/2010-03/05/2013	7	30	74.8857	158.0	1.00	LOWEST
		11.0	CARBONATE AS CO3	10/27/2010-03/05/2013	8	<0.005		5.0		HIGHEST
		7.0	SULFATE (SO4)	10/27/2010-03/05/2013	8	36.5	451.6875	1200.0	0.93	LOWEST
		0.2	FLUORIDE (F)	10/27/2010-03/05/2013	8	<0.1	0.1063	0.2	1.89	HIGHEST
		3.5	ALUMINUM (AL) TRC	10/27/2010-03/05/2013	7	0.1	0.4344	1.3	7.50	HIGHEST
		0.006	ARSENIC (AS) DIS	06/24/2011-03/05/2013	7	<0.003		0.006		HIGHEST
		0.014	ARSENIC (AS) TRC	10/27/2010-03/05/2013	7	<0.003		0.006		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/21/2011-03/05/2013	7	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/21/2011-03/05/2013	7	NR		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		0.00012	CADMIUM (CD) TRC	10/27/2010-03/05/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		0.006	CHROMIUM (CR) TRC	10/27/2010-03/05/2013	7	<0.001		0.002		HIGHEST
		0.009	COPPER (CU) TRC	10/27/2010-03/05/2013	7	0.0023	0.0042	0.005	4.26	HIGHEST
		8.96	IRON (FE) TRC	10/27/2010-03/05/2013	7	0.32	1.4431	6.04	3.66	HIGHEST
		0.0085	LEAD (PB) TRC	10/27/2010-03/05/2013	7	<0.0005		0.0023		HIGHEST
		0.316	MANGANESE (MN) DIS	06/24/2011-03/05/2013	7	0.009	0.0890	0.299	2.20	HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/24/2011-03/05/2013	7	<0.005		0.005		HIGHEST
		0.006	MOLYBDENUM (MO) TRC	10/27/2010-03/05/2013	7	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-03/05/2013	7	<0.01		0.01		HIGHEST
		0.02	NICKEL (NI) TRC	10/27/2010-03/05/2013	7	<0.01		0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-03/05/2013	7	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	10/27/2010-03/05/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-03/05/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-03/05/2013	7	0.0017		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-03/05/2013	7	<0.01		<0.01		HIGHEST
		0.03	ZINC (ZN) TRC	10/27/2010-03/05/2013	7	<0.01		0.02		HIGHEST
P4	07/30/2013	9.0	POTASSIUM (K) DIS	08/25/2011-05/03/2012	4	12.0	15.7500	18.0	2.57	LOWEST
		9.0	POTASSIUM (K) TRC	08/25/2011-05/03/2012	4	12.0	15.7500	18	2.57	LOWEST
		2.0	CHLORIDE (CL)	08/25/2011-05/03/2012	4	4.0	7.7500	12.0	1.49	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	08/25/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	08/25/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) TRC	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
P4	07/30/2013	9.0	POTASSIUM (K) DIS	08/25/2011-05/03/2012	4	12.0	15.7500	18.0	2.57	LOWEST
		10.0	POTASSIUM (K) TRC	08/25/2011-05/03/2012	4	12.0	15.7500	18	2.19	LOWEST
		2.0	CHLORIDE (CL)	08/25/2011-05/03/2012	4	4.0	7.7500	12.0	1.49	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	08/25/2011-05/03/2012	4	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	08/25/2011-05/03/2012	4	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-05/03/2012	4	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-05/03/2012	4	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-05/03/2012	4	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-05/03/2012	4	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-05/03/2012	4	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	08/25/2011-05/03/2012	4	<0.01		<0.01		HIGHEST
P5	07/30/2013	340.0	CALCIUM (CA) DIS	06/24/2011-05/15/2013	8	49.0	102.7500	155.0	6.34	HIGHEST
		352.0	CALCIUM (CA) TRC	10/27/2010-05/15/2013	8	50	115.2500	167.0	5.57	HIGHEST
		301.0	MAGNESIUM (MG) TRC	10/27/2010-05/15/2013	8	60	173.6250	297	1.66	HIGHEST
		380.0	BICARBONATE (HCO3)	10/27/2010-05/15/2013	9	28.0	172.6667	340.0	1.75	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/24/2011-05/15/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/24/2011-05/15/2013	8	NR		<0.001		HIGHEST
		0.18	BORON (B) DIS	06/24/2011-05/15/2013	8	0.02	0.0538	0.1	4.25	HIGHEST
		0.19	BORON (B) TRC	10/27/2010-05/15/2013	8	0.02	0.0585	0.10	4.23	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/15/2013	8	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/15/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-05/15/2013	8	0.001	0.0035	0.007	1.07	LOWEST
		<0.001	COPPER (CU) TRC	10/27/2010-05/15/2013	8	0.002	0.0069	0.021	0.98	LOWEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/15/2013	8	<0.0005		<0.0005		HIGHEST
		0.518	MANGANESE (MN) DIS	06/24/2011-05/15/2013	8	<0.005	0.0516	0.175	6.38	HIGHEST
		0.516	MANGANESE (MN) TRC	10/27/2010-05/15/2013	8	<0.005	0.0873	0.187	5.87	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/24/2011-05/15/2013	8	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/27/2010-05/15/2013	8	0.00000535		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/15/2013	8	<0.01		<0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/15/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/27/2010-05/15/2013	8	0.0043		<0.1		HIGHEST
P6	07/30/2013	8.6	PH	06/24/2011-05/16/2013	8	7.7	8.2125	8.6	1.34	HIGHEST
		3350.0	SC (UMHOS/CM AT 25 C)	06/24/2011-05/16/2013	8	2750.0	3115.0000	3320.0	1.21	HIGHEST
		2660.0	TDS (MEASURED AT 180 C)	06/24/2011-05/16/2013	8	2370.0	2441.2500	2580.0	3.50	HIGHEST
		96.0	TOTAL SUSPENDED SOLIDS	06/24/2011-05/16/2013	8	<4.0	25.0000	96.0	2.30	HIGHEST
		42.0	CALCIUM (CA) TRC	06/24/2011-05/16/2013	7	54	104.7143	138	2.08	LOWEST
		228.0	MAGNESIUM (MG) TRC	06/24/2011-05/16/2013	7	192.0	203.0000	217	2.58	HIGHEST
		440.0	SODIUM (NA) TRC	06/24/2011-05/16/2013	7	368	384.4286	406	4.17	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/24/2011-05/16/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/24/2011-05/16/2013	8	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	06/24/2011-05/16/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/25/2011-05/16/2013	7	NR		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/25/2011-05/16/2013	7	NR		<0.001		HIGHEST
		0.57	BORON (B) TRC	06/24/2011-05/16/2013	7	0.39	0.4457	0.52	2.85	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/24/2011-05/16/2013	8	<0.00008		<0.00008		HIGHEST

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		<0.001	CHROMIUM (CR) DIS	06/24/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-05/16/2013	8	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	06/24/2011-05/16/2013	8	<0.05		0.05		HIGHEST
		<0.0005	LEAD (PB) DIS	06/24/2011-05/16/2013	8	<0.0005		<0.0005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-05/16/2013	8	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/24/2011-05/16/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/24/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/24/2011-05/16/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/24/2011-05/16/2013	7	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/24/2011-05/16/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/24/2011-05/16/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/24/2011-05/16/2013	8	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/24/2011-05/16/2013	7	<0.01		0.01		HIGHEST
SW-1A	07/30/2013	108.0	TOTAL SUSPENDED SOLIDS	10/26/2011-06/13/2013	7	10.0	22.1429	40.0	7.81	HIGHEST
		12.0	CHLORIDE (CL)	10/26/2011-03/07/2013	6	13.0	27.3333	86.0	0.53	LOWEST
		0.2	ALUMINUM (AL) TRC	10/26/2011-06/13/2013	7	<0.1		0.2		HIGHEST
		0.014	ARSENIC (AS) DIS	10/26/2011-06/13/2013	7	<0.003		0.014		HIGHEST
		0.014	ARSENIC (AS) TRC	10/26/2011-06/13/2013	7	<0.003		0.013		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	10/26/2011-06/13/2013	6	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	10/26/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	10/26/2011-06/13/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	10/26/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	10/26/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	10/26/2011-06/13/2013	7	<0.0005		<0.0005		HIGHEST
		<0.0005	LEAD (PB) TRC	10/26/2011-06/13/2013	7	<0.0005		0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	10/26/2011-06/13/2013	7	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	10/26/2011-06/13/2013	7	<0.00005		<0.00005		HIGHEST
		<0.01	NICKEL (NI) DIS	10/26/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	10/26/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
		0.002	SELENIUM (SE) DIS	10/26/2011-06/13/2013	7	<0.001	0.0010	0.002	2.00	HIGHEST
		<0.1	VANADIUM (V) DIS	10/26/2011-06/13/2013	7	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	10/26/2011-06/13/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	10/26/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	10/26/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
SW-2	07/30/2013	108.0	TOTAL SUSPENDED SOLIDS	06/15/2011-06/13/2013	8	6	49.5000	104.0	1.54	HIGHEST
		69.0	TURBIDITY (NTU)	06/15/2011-06/13/2013	8	3.6	26.1375	63.7	1.79	HIGHEST
		63.0	CALCIUM (CA) TRC	06/15/2011-06/13/2013	7	101	127.0000	145	4.31	LOWEST
		317.0	MAGNESIUM (MG) TRC	06/15/2011-06/13/2013	7	201.0	239.4286	269.0	2.97	HIGHEST
		681.0	SODIUM (NA) TRC	06/15/2011-06/13/2013	7	382.0	464.2857	530.0	3.90	HIGHEST
		29.0	POTASSIUM (K) TRC	06/15/2011-06/13/2013	7	16	19.2857	22.0	4.72	HIGHEST
		630.0	TOTAL ALKALINITY AS CACO3	06/15/2011-06/13/2013	8	480.0	571.2500	630.0	0.89	HIGHEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-06/13/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-06/13/2013	8	<0.003		0.003		HIGHEST
		0.003	ARSENIC (AS) TRC	06/15/2011-06/13/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		0.57	BORON (B) TRC	06/15/2011-06/13/2013	7	0.25	0.3486	0.47	2.86	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-06/13/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-06/13/2013	7	<0.00008		<0.00008		HIGHEST
		0.003	CHROMIUM (CR) TRC	06/15/2011-06/13/2013	7	<0.001		0.003		HIGHEST
		0.004	COPPER (CU) TRC	06/15/2011-06/13/2013	7	<0.001	0.0014	0.003	2.67	HIGHEST
		0.0019	LEAD (PB) TRC	06/15/2011-06/13/2013	7	<0.0005		0.0018		HIGHEST
		0.007	MOLYBDENUM (MO) TRC	06/15/2011-06/13/2013	7	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-06/13/2013	8	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-06/13/2013	8	<0.001	0.0008	0.001	0.94	HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-06/13/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-06/13/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-06/13/2013	7	<0.1		<0.1		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	ZINC (ZN) DIS	06/15/2011-06/13/2013	8	<0.01		0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-06/13/2013	7	<0.01		0.01		HIGHEST
SW-2	08/01/2013	4860.0	SC (UMHOS/CM AT 25 C)	06/15/2011-06/13/2013	8	3290.0	3713.7500	4730.0	2.44	HIGHEST
		61.0	CALCIUM (CA) TRC	06/15/2011-06/13/2013	7	101	127.0000	145	4.45	LOWEST
		322.0	MAGNESIUM (MG) TRC	06/15/2011-06/13/2013	7	201.0	239.4286	269.0	3.17	HIGHEST
		684.0	SODIUM (NA) TRC	06/15/2011-06/13/2013	7	382.0	464.2857	530.0	3.96	HIGHEST
		29.0	POTASSIUM (K) TRC	06/15/2011-06/13/2013	7	16	19.2857	22.0	4.72	HIGHEST
		11.0	CHLORIDE (CL)	06/15/2011-06/13/2013	8	12.0	16.2500	22.0	1.23	LOWEST
		<0.1	ALUMINUM (AL) DIS	06/15/2011-06/13/2013	8	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	06/15/2011-06/13/2013	8	<0.003		0.003		HIGHEST
		0.003	ARSENIC (AS) TRC	06/15/2011-06/13/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-06/13/2013	7	<0.001		<0.001		HIGHEST
		0.54	BORON (B) TRC	06/15/2011-06/13/2013	7	0.25	0.3486	0.47	2.48	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-06/13/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-06/13/2013	7	<0.00008		<0.00008		HIGHEST
		0.007	MOLYBDENUM (MO) TRC	06/15/2011-06/13/2013	7	<0.005		0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-06/13/2013	8	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-06/13/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-06/13/2013	8	<0.001	0.0008	0.001	0.94	HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-06/13/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-06/13/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-06/13/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-06/13/2013	8	<0.01		0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-06/13/2013	7	<0.01		0.01		HIGHEST
SW-8	07/30/2013	8.1	PH	08/25/2011-06/20/2013	5	7.5	7.8400	8.1	1.08	HIGHEST
		2670.0	SC (UMHOS/CM AT 25 C)	08/25/2011-06/20/2013	5	2850.0	3004.0000	3310.0	1.59	LOWEST
		2130.0	TDS (MEASURED AT 180 C)	08/25/2011-04/19/2012	4	2500.0	2875.0000	3100.0	2.87	LOWEST
		10.3	TURBIDITY (NTU)	08/25/2011-06/20/2013	5	0.7	1.8200	2.8	9.44	HIGHEST
		167.0	CALCIUM (CA) DIS	08/25/2011-06/20/2013	5	234.0	252.6000	284.0	4.38	LOWEST
		182.0	CALCIUM (CA) TRC	08/25/2011-06/20/2013	5	232	255.2000	296	2.92	LOWEST
		125.0	MAGNESIUM (MG) DIS	08/25/2011-06/20/2013	5	133.0	157.8000	169.0	2.15	LOWEST
		123.0	MAGNESIUM (MG) TRC	08/25/2011-06/20/2013	5	130	156.0000	169	1.96	LOWEST
		290.0	SODIUM (NA) TRC	08/25/2011-06/20/2013	5	300	335.0000	368	1.64	LOWEST
		13.0	CARBONATE AS CO3	08/25/2011-06/20/2013	5	<1.0		<4.0		HIGHEST
		3.0	CHLORIDE (CL)	08/25/2011-06/20/2013	5	7.0	9.8000	11.0	4.14	LOWEST
		0.3	FLUORIDE (F)	08/25/2011-06/20/2013	5	0.2	0.2800	0.3	0.45	HIGHEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-06/20/2013	5	<0.1		<0.1		HIGHEST
		0.3	ALUMINUM (AL) TRC	08/25/2011-06/20/2013	5	<0.1		<0.1		HIGHEST
		<0.003	ARSENIC (AS) DIS	08/25/2011-06/20/2013	5	<0.003		<0.003		HIGHEST
		<0.003	ARSENIC (AS) TRC	08/25/2011-06/20/2013	5	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		0.12	BORON (B) DIS	08/25/2011-06/20/2013	5	0.07	0.0940	0.11	1.55	HIGHEST
		0.12	BORON (B) TRC	08/25/2011-06/20/2013	5	0.07	0.0940	0.12	1.25	HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-06/20/2013	5	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	08/25/2011-06/20/2013	5	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.05	IRON (FE) DIS	08/25/2011-06/20/2013	5	<0.05		<0.05		HIGHEST
		0.48	IRON (FE) TRC	08/25/2011-06/20/2013	5	<0.05	0.1540	0.27	2.68	HIGHEST
		<0.0005	LEAD (PB) TRC	08/25/2011-06/20/2013	5	<0.0005		<0.0005		HIGHEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-06/20/2013	5	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-06/20/2013	5	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-06/20/2013	5	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-06/20/2013	5	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-06/20/2013	5	<0.01		<0.01		HIGHEST

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DataMan Program

OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.01	NICKEL (NI) TRC	08/25/2011-06/20/2013	5	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-06/20/2013	5	<0.001		0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	08/25/2011-06/20/2013	5	<0.001		<0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-06/20/2013	5	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-06/20/2013	5	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	08/25/2011-06/20/2013	5	<0.01		<0.01		HIGHEST
SW-11	07/30/2013	5.23	SODIUM ADSORPTION RATIO	08/25/2011-06/14/2013	9	5.33	5.8456	6.88	1.01	LOWEST
		7.0	CHLORIDE (CL)	08/25/2011-06/14/2013	9	9	11.2222	14.0	2.85	LOWEST
		<0.1	ALUMINUM (AL) DIS	08/25/2011-06/14/2013	9	<0.1		<0.1		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	08/25/2011-06/14/2013	9	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	08/25/2011-06/14/2013	9	<0.001		<0.001		HIGHEST
		<0.00008	CADMIUM (CD) DIS	08/25/2011-06/14/2013	9	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-06/14/2013	9	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-06/14/2013	9	<0.001		<0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	08/25/2011-06/14/2013	9	<0.0005		<0.0005		HIGHEST
		0.01	MANGANESE (MN) DIS	08/25/2011-06/14/2013	9	0.012	0.5688	2.19	0.80	LOWEST
		<0.00005	MERCURY (HG) DIS	08/25/2011-06/14/2013	9	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	08/25/2011-06/14/2013	9	<0.00005		<0.00005		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-06/14/2013	9	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	08/25/2011-06/14/2013	9	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	08/25/2011-06/14/2013	9	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	08/25/2011-06/14/2013	9	<0.01		0.01		HIGHEST
		<0.1	VANADIUM (V) DIS	08/25/2011-06/14/2013	9	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	08/25/2011-06/14/2013	9	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) TRC	08/25/2011-06/14/2013	9	<0.01		<0.01		HIGHEST
SW-16	08/01/2013	8.7	PH	06/15/2011-06/14/2013	8	8.0	8.4125	8.7	1.29	HIGHEST
		4580.0	SC (UMHOS/CM AT 25 C)	06/15/2011-06/14/2013	8	3350.0	3670.0000	4320.0	2.74	HIGHEST
		63.0	CALCIUM (CA) TRC	06/15/2011-06/14/2013	7	100	126.2857	140.0	4.61	LOWEST
		303.0	MAGNESIUM (MG) TRC	06/15/2011-06/14/2013	7	209.0	236.4286	261.0	3.45	HIGHEST
		619.0	SODIUM (NA) TRC	06/15/2011-06/14/2013	7	402.0	461.8571	513.0	3.33	HIGHEST
		27.0	POTASSIUM (K) TRC	06/15/2011-06/14/2013	7	17	19.1429	22.0	4.69	HIGHEST
		9.0	CHLORIDE (CL)	06/15/2011-06/14/2013	8	12.0	15.6250	21.0	1.96	LOWEST
		0.7	FLUORIDE (F)	06/15/2011-06/14/2013	8	0.5	0.5750	0.7	1.77	HIGHEST
		0.005	ARSENIC (AS) DIS	06/15/2011-06/14/2013	8	<0.003		0.003		HIGHEST
		0.005	ARSENIC (AS) TRC	06/15/2011-06/14/2013	7	<0.003		<0.003		HIGHEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		0.51	BORON (B) TRC	06/15/2011-06/14/2013	7	0.26	0.3600	0.48	1.95	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-06/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-06/14/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-06/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-06/14/2013	8	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-06/14/2013	7	<0.001		0.001		HIGHEST
		<0.0005	LEAD (PB) DIS	06/15/2011-06/14/2013	8	<0.0005		<0.0005		HIGHEST
		0.006	MOLYBDENUM (MO) TRC	06/15/2011-06/14/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-06/14/2013	8	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-06/14/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-06/14/2013	8	<0.001		0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-06/14/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-06/14/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-06/14/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-06/14/2013	8	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-06/14/2013	7	<0.01		<0.01		HIGHEST
SW-22	08/01/2013	9.1	PH	06/15/2011-06/14/2013	8	8.1	8.4250	8.7	3.85	HIGHEST
		8.0	TOTAL SUSPENDED SOLIDS	06/15/2011-06/14/2013	8	11.0	27.3750	64.0	1.04	LOWEST
		2.6	TURBIDITY (NTU)	06/15/2011-06/14/2013	8	3.0	12.3375	43.0	0.75	LOWEST
		56.0	CALCIUM (CA) DIS	06/15/2011-06/14/2013	8	94.0	127.1250	141.0	3.60	LOWEST

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OTTER CREEK COAL Statistical Summary

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		55.0	CALCIUM (CA) TRC	06/15/2011-06/14/2013	7	101	132.4286	145.0	5.05	LOWEST
		260.0	MAGNESIUM (MG) TRC	06/15/2011-06/14/2013	7	216.0	236.2857	250.0	1.72	HIGHEST
		23.0	POTASSIUM (K) TRC	06/15/2011-06/14/2013	7	17	18.8571	21.0	3.08	HIGHEST
		420.0	BICARBONATE (HCO3)	06/15/2011-06/14/2013	8	470.0	626.2500	690.0	2.81	LOWEST
		97.0	CARBONATE AS CO3	06/15/2011-06/14/2013	8	<1.0	36.6875	64.0	3.41	HIGHEST
		5.0	CHLORIDE (CL)	06/15/2011-06/14/2013	8	12.0	15.3750	20.0	3.43	LOWEST
		0.006	ARSENIC (AS) DIS	06/15/2011-06/14/2013	8	<0.003		0.006		HIGHEST
		0.006	ARSENIC (AS) TRC	06/15/2011-06/14/2013	7	<0.003		<0.003		HIGHEST
		0.019	BARIUM (BA) DIS	06/15/2011-06/14/2013	8	0.021	0.0404	0.093	0.85	LOWEST
		0.02	BARIUM (BA) TRC	06/15/2011-06/14/2013	7	0.024	0.0409	0.096	0.81	LOWEST
		<0.001	BERYLLIUM (BE) DIS	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		<0.001	BERYLLIUM (BE) TRC	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		0.4	BORON (B) TRC	06/15/2011-06/14/2013	7	0.25	0.3343	0.39	1.24	HIGHEST
		<0.00008	CADMIUM (CD) DIS	06/15/2011-06/14/2013	8	<0.00008		<0.00008		HIGHEST
		<0.00008	CADMIUM (CD) TRC	06/15/2011-06/14/2013	7	<0.00008		<0.00008		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-06/14/2013	7	<0.001		<0.001		HIGHEST
		0.07	IRON (FE) TRC	06/15/2011-06/14/2013	7	0.1	0.4114	0.83	1.37	LOWEST
		<0.0005	LEAD (PB) TRC	06/15/2011-06/14/2013	7	<0.0005		0.0005		HIGHEST
		<0.005	MANGANESE (MN) DIS	06/15/2011-06/14/2013	8	0.013	0.2441	0.563	1.46	LOWEST
		0.008	MANGANESE (MN) TRC	06/15/2011-06/14/2013	7	0.014	0.2491	0.528	1.46	LOWEST
		<0.005	MOLYBDENUM (MO) TRC	06/15/2011-06/14/2013	7	<0.005		<0.005		HIGHEST
		<0.01	NICKEL (NI) DIS	06/15/2011-06/14/2013	8	<0.01		<0.01		HIGHEST
		<0.01	NICKEL (NI) TRC	06/15/2011-06/14/2013	7	<0.01		<0.01		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-06/14/2013	8	<0.001		0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-06/14/2013	7	<0.001		0.001		HIGHEST
		<0.1	VANADIUM (V) DIS	06/15/2011-06/14/2013	8	<0.1		<0.1		HIGHEST
		<0.1	VANADIUM (V) TRC	06/15/2011-06/14/2013	7	<0.1		<0.1		HIGHEST
		<0.01	ZINC (ZN) DIS	06/15/2011-06/14/2013	8	<0.01		<0.01		HIGHEST
		<0.01	ZINC (ZN) TRC	06/15/2011-06/14/2013	7	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics 1/2 the detection limit was used in calculations.

Generated from s:\statout\\rpOTTCRK.008

SUMMARY ANALYSES REPORT

Sample Type: Surface Water

SITE CODE	SW-1
SAMPLE DATE	07/29/2013
SAMPLE TIME	15:20
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-516

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	07/30/2013
SAMPLE TIME	21:30
LAB	EL
LAB NUMBER	3070565012
SAMPLE NUMBER	OCC-1307-515
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	7.8
SODIUM ADSORPTION RATIO	7.56
SC (UMHOS/CM AT 25 C)	4020.0
SC (UMHOS/CM AT 25 C) (FLD)	4250.0
TDS (MEASURED AT 180 C)	3000.0
TOTAL SUSPENDED SOLIDS	108.0
TURBIDITY (NTU)	12.7
	J4D
WATER TEMPERATURE (FLD)	18.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	106.0
CALCIUM (CA) TRC	111.0
MAGNESIUM (MG) DIS	212.0
MAGNESIUM (MG) TRC	232.0
SODIUM (NA) DIS	586.0
SODIUM (NA) TRC	642.0
POTASSIUM (K) DIS	21.0
POTASSIUM (K) TRC	23.0
TOTAL ALKALINITY AS CACO3	880.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.09
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.2
ARSENIC (AS) DIS	0.014
ARSENIC (AS) TRC	0.014
BARIUM (BA) DIS	0.05
BARIUM (BA) TRC	0.056
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.71
BORON (B) TRC	0.73
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	0.22
IRON (FE) TRC	0.86
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-1A
SAMPLE DATE	07/30/2013
SAMPLE TIME	21:30
LAB	EL
LAB NUMBER	3070565012
SAMPLE NUMBER	OCC-1307-515

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.236
MANGANESE (MN) TRC	0.281
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.002
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	19:10	12:55
LAB	EL	EL
LAB NUMBER	3070565010	3080043002
SAMPLE NUMBER	OCC-1307-510	OCC-1308-501
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	0.84
OXYGEN (O) (FLD)		4.57
PH (FLD)	NO MEAS	8.63
PH	8.7	8.7
SODIUM ADSORPTION RATIO	7.67	7.59
SC (UMHOS/CM AT 25 C)	4570.0	4860.0
SC (UMHOS/CM AT 25 C) (FLD)	4900.0	4830.0
TDS (MEASURED AT 180 C)	3670.0	3640.0
TOTAL SUSPENDED SOLIDS	108.0	72.0
TURBIDITY (NTU)	69.0	13.4
	J4D	
WATER TEMPERATURE (FLD)	26.4	24.3
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	60.0	60.0
CALCIUM (CA) TRC	63.0	61.0
MAGNESIUM (MG) DIS	312.0	325.0
MAGNESIUM (MG) TRC	317.0	322.0
SODIUM (NA) DIS	668.0	673.0
SODIUM (NA) TRC	681.0	684.0
POTASSIUM (K) DIS	28.0	28.0
POTASSIUM (K) TRC	29.0	29.0
TOTAL ALKALINITY AS CACO3	630.0	620.0
BICARBONATE (HCO3)	610.0	630.0
CARBONATE AS CO3	76.0	62.0
SULFATE (SO4)	2200.0	2300.0
CHLORIDE (CL)	16.0	11.0
FLUORIDE (F)	0.7	0.7
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	1.7	1.1
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	0.003	0.003
BARIUM (BA) DIS	0.049	0.042
BARIUM (BA) TRC	0.066	0.051
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.57	0.52
BORON (B) TRC	0.57	0.54
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	0.003	0.002
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.004	0.002
IRON (FE) DIS	<0.05	<0.05
IRON (FE) TRC	2.13	1.18
LEAD (PB) DIS	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2	SW-2
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	19:10	12:55
LAB	EL	EL
LAB NUMBER	3070565010	3080043002
SAMPLE NUMBER	OCC-1307-510	OCC-1308-501
-- METALS & MINOR CONSTITUENTS --		
LEAD (PB) TRC	0.0019	0.0011
MANGANESE (MN) DIS	0.026	0.045
MANGANESE (MN) TRC	0.087	0.077
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	0.007	0.007
MOLYBDENUM (MO) TRC	0.007	0.007
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-3	SW-3
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	18:30	14:25
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1307-517	OCC-1308-504
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-4
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-518

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-5
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-519

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-6
SAMPLE DATE	07/30/2013
SAMPLE TIME	16:40
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-520

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-7
SAMPLE DATE	07/30/2013
SAMPLE TIME	16:45
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-521

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	07/30/2013
SAMPLE TIME	14:50
LAB	EL
LAB NUMBER	3070565005
SAMPLE NUMBER	OCC-1307-504
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.1
SODIUM ADSORPTION RATIO	4.19
SC (UMHOS/CM AT 25 C)	2670.0
SC (UMHOS/CM AT 25 C) (FLD)	2830.0
TDS (MEASURED AT 180 C)	2130.0
TOTAL SUSPENDED SOLIDS	18.0
TURBIDITY (NTU)	10.3
	J4D
WATER TEMPERATURE (FLD)	24.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	167.0
CALCIUM (CA) TRC	182.0
MAGNESIUM (MG) DIS	125.0
MAGNESIUM (MG) TRC	123.0
SODIUM (NA) DIS	294.0
SODIUM (NA) TRC	290.0
POTASSIUM (K) DIS	10.0
POTASSIUM (K) TRC	11.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	530.0
CARBONATE AS CO3	13.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	0.3
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.3
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.044
BARIUM (BA) TRC	0.049
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.12
BORON (B) TRC	0.12
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.48
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	07/30/2013
SAMPLE TIME	14:50
LAB	EL
LAB NUMBER	3070565005
SAMPLE NUMBER	OCC-1307-504

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.005
MANGANESE (MN) TRC	0.025
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	07/30/2013
SAMPLE TIME	11:25
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-522

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10
SAMPLE DATE	07/30/2013
SAMPLE TIME	12:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-523

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	07/30/2013
SAMPLE TIME	12:15
LAB	EL
LAB NUMBER	3070565004
SAMPLE NUMBER	OCC-1307-503
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.2
SODIUM ADSORPTION RATIO	5.23
SC (UMHOS/CM AT 25 C)	3400.0
SC (UMHOS/CM AT 25 C) (FLD)	3680.0
TDS (MEASURED AT 180 C)	2690.0
TOTAL SUSPENDED SOLIDS	8.0
TURBIDITY (NTU)	3.8
	J4D
WATER TEMPERATURE (FLD)	19.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	158.0
CALCIUM (CA) TRC	165.0
MAGNESIUM (MG) DIS	183.0
MAGNESIUM (MG) TRC	185.0
SODIUM (NA) DIS	407.0
SODIUM (NA) TRC	412.0
POTASSIUM (K) DIS	15.0
POTASSIUM (K) TRC	16.0
TOTAL ALKALINITY AS CACO3	650.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.1
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.024
BARIUM (BA) TRC	0.026
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.38
BORON (B) TRC	0.39
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.19
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	07/30/2013
SAMPLE TIME	12:15
LAB	EL
LAB NUMBER	3070565004
SAMPLE NUMBER	OCC-1307-503

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.01
MANGANESE (MN) TRC	0.014
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.002
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12
SAMPLE DATE	07/30/2013
SAMPLE TIME	12:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-524

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-13
SAMPLE DATE	07/30/2013
SAMPLE TIME	18:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-525

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-14
SAMPLE DATE	07/29/2013
SAMPLE TIME	16:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-526

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-15
SAMPLE DATE	07/29/2013
SAMPLE TIME	16:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-527

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	19:45	14:55
LAB	HYDRO	EL
LAB NUMBER		3080043003
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-511	OCC-1308-502
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)		
FLOW (cfs)	NO MEAS	0.54
OXYGEN (O) (FLD)		5.07
PH (FLD)	NO MEAS	8.57
PH		8.7
SODIUM ADSORPTION RATIO		7.12
SC (UMHOS/CM AT 25 C)		4580.0
SC (UMHOS/CM AT 25 C) (FLD)	4620.0	4530.0
TDS (MEASURED AT 180 C)		3400.0
TOTAL SUSPENDED SOLIDS		28.0
TURBIDITY (NTU)		4.6
WATER TEMPERATURE (FLD)	25.7	25.9
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		62.0
CALCIUM (CA) TRC		63.0
MAGNESIUM (MG) DIS		300.0
MAGNESIUM (MG) TRC		303.0
SODIUM (NA) DIS		610.0
SODIUM (NA) TRC		619.0
POTASSIUM (K) DIS		27.0
POTASSIUM (K) TRC		27.0
TOTAL ALKALINITY AS CACO3		600.0
BICARBONATE (HCO3)		620.0
CARBONATE AS CO3		58.0
SULFATE (SO4)		2100.0
CHLORIDE (CL)		9.0
FLUORIDE (F)		0.7
-- NUTRIENTS --		
NITRATE + NITRITE AS N		<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		0.1
ARSENIC (AS) DIS		0.005
ARSENIC (AS) TRC		0.005
BARIUM (BA) DIS		0.03
BARIUM (BA) TRC		0.033
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.48
BORON (B) TRC		0.51
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		<0.001
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.18
LEAD (PB) DIS		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	19:45	14:55
LAB	HYDRO	EL
LAB NUMBER		3080043003
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-511	OCC-1308-502

-- METALS & MINOR CONSTITUENTS --

LEAD (PB)	TRC	<0.0005
MANGANESE (MN)	DIS	0.062
MANGANESE (MN)	TRC	0.069
MERCURY (HG)	DIS	<0.00005
MERCURY (HG)	TOT	<0.00005
MOLYBDENUM (MO)	DIS	0.005
MOLYBDENUM (MO)	TRC	0.006
NICKEL (NI)	DIS	<0.01
NICKEL (NI)	TRC	<0.01
SELENIUM (SE)	DIS	<0.001
SELENIUM (SE)	TRC	<0.001
VANADIUM (V)	DIS	<0.1
VANADIUM (V)	TRC	<0.1
ZINC (ZN)	DIS	<0.01
ZINC (ZN)	TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	07/29/2013
SAMPLE TIME	18:45
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-528

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18
SAMPLE DATE	07/29/2013
SAMPLE TIME	19:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-529

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19
SAMPLE DATE	07/29/2013
SAMPLE TIME	19:45
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-530

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20
SAMPLE DATE	07/29/2013
SAMPLE TIME	19:50
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-531

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-21
SAMPLE DATE	07/29/2013
SAMPLE TIME	20:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-532

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	20:50	16:40
LAB	HYDRO	EL
LAB NUMBER		3080043004
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-513	OCC-1308-503
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	2.0
OXYGEN (O) (FLD)		8.0
PH (FLD)	NO MEAS	8.97
PH		9.1
SODIUM ADSORPTION RATIO		5.95
SC (UMHOS/CM AT 25 C)		3780.0
SC (UMHOS/CM AT 25 C) (FLD)	4080.0	3770.0
TDS (MEASURED AT 180 C)		2650.0
TOTAL SUSPENDED SOLIDS		8.0
TURBIDITY (NTU)		2.6
WATER TEMPERATURE (FLD)	24.3	28.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		56.0
CALCIUM (CA) TRC		55.0
MAGNESIUM (MG) DIS		267.0
MAGNESIUM (MG) TRC		260.0
SODIUM (NA) DIS		481.0
SODIUM (NA) TRC		489.0
POTASSIUM (K) DIS		23.0
POTASSIUM (K) TRC		23.0
TOTAL ALKALINITY AS CACO3		500.0
BICARBONATE (HCO3)		420.0
CARBONATE AS CO3		97.0
SULFATE (SO4)		1700.0
CHLORIDE (CL)		5.0
FLUORIDE (F)		0.6
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		0.1
ARSENIC (AS) DIS		0.006
ARSENIC (AS) TRC		0.006
BARIUM (BA) DIS		0.019
BARIUM (BA) TRC		0.02
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.39
BORON (B) TRC		0.4
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		<0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		<0.001
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.07
LEAD (PB) DIS		<0.0005
LEAD (PB) TRC		<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22	SW-22
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	20:50	16:40
LAB	HYDRO	EL
LAB NUMBER		3080043004
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-513	OCC-1308-503

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	0.008
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-23	SW-23
SAMPLE DATE	07/29/2013	08/01/2013
SAMPLE TIME	20:15	16:26
LAB	HYDRO	HYDRO
LAB NUMBER		
REMARKS	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1307-533	OCC-1308-505
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-24
SAMPLE DATE	07/29/2013
SAMPLE TIME	15:25
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-534

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1
SAMPLE DATE	07/31/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3080047005
SAMPLE NUMBER	OCC-1307-604

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.93
PH (FLD)	NO MEAS
PH	7.8
SODIUM ADSORPTION RATIO	9.33
SC (UMHOS/CM AT 25 C)	2400.0
SC (UMHOS/CM AT 25 C) (FLD)	2320.0
TDS (MEASURED AT 180 C)	1450.0
WATER TEMPERATURE (FLD)	12.2

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	40.0
MAGNESIUM (MG) DIS	65.0
SODIUM (NA) DIS	412.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	730.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	15.0
SULFATE (SO4)	490.0
CHLORIDE (CL)	69.0
FLUORIDE (F)	2.8
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.26
	J4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.044
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.011
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.011
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.006
VANADIUM (V) DIS	0.3
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A2
SAMPLE DATE	07/25/2013
SAMPLE TIME	17:47
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-129

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	49.47

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	07/31/2013
SAMPLE TIME	20:02
LAB	EL
LAB NUMBER	3080047011
SAMPLE NUMBER	OCC-1307-610

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	7.25
PH (FLD)	NO MEAS
PH	7.4
SODIUM ADSORPTION RATIO	5.46
SC (UMHOS/CM AT 25 C)	3430.0
SC (UMHOS/CM AT 25 C) (FLD)	3330.0
TDS (MEASURED AT 180 C)	2470.0
WATER TEMPERATURE (FLD)	11.2

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	124.0
MAGNESIUM (MG) DIS	193.0
SODIUM (NA) DIS	417.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --

NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.5
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.4
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.252
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	07/31/2013
SAMPLE TIME	21:21
LAB	EL
LAB NUMBER	3080047012
SAMPLE NUMBER	OCC-1307-611

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.88
PH (FLD)	NO MEAS
PH	7.5
SODIUM ADSORPTION RATIO	4.86
SC (UMHOS/CM AT 25 C)	3180.0
SC (UMHOS/CM AT 25 C) (FLD)	3100.0
TDS (MEASURED AT 180 C)	2400.0
WATER TEMPERATURE (FLD)	10.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	118.0
MAGNESIUM (MG) DIS	190.0
SODIUM (NA) DIS	366.0
POTASSIUM (K) DIS	16.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.07
	J4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.3
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	07/30/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3080047001
SAMPLE NUMBER	OCC-1307-600
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.65
PH (FLD)	NO MEAS
PH	7.3
SODIUM ADSORPTION RATIO	5.85
SC (UMHOS/CM AT 25 C)	3760.0
SC (UMHOS/CM AT 25 C) (FLD)	3730.0
TDS (MEASURED AT 180 C)	2720.0
WATER TEMPERATURE (FLD)	11.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	176.0
MAGNESIUM (MG) DIS	201.0
SODIUM (NA) DIS	249.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	820.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.36
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	07/31/2013
SAMPLE TIME	17:45
LAB	EL
LAB NUMBER	3080047009
SAMPLE NUMBER	OCC-1307-608

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.25
PH (FLD)	NO MEAS
PH	7.5
SODIUM ADSORPTION RATIO	9.22
SC (UMHOS/CM AT 25 C)	5680.0
SC (UMHOS/CM AT 25 C) (FLD)	5500.0
TDS (MEASURED AT 180 C)	4340.0
WATER TEMPERATURE (FLD)	11.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	165.0
MAGNESIUM (MG) DIS	293.0
SODIUM (NA) DIS	852.0
POTASSIUM (K) DIS	26.0
TOTAL ALKALINITY AS CACO3	780.0
BICARBONATE (HCO3)	960.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.16
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	07/31/2013
SAMPLE TIME	18:45
LAB	EL
LAB NUMBER	3080047010
SAMPLE NUMBER	OCC-1307-609

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.22
PH (FLD)	NO MEAS
PH	7.5
SODIUM ADSORPTION RATIO	6.9
SC (UMHOS/CM AT 25 C)	3940.0
SC (UMHOS/CM AT 25 C) (FLD)	3830.0
TDS (MEASURED AT 180 C)	2830.0
WATER TEMPERATURE (FLD)	10.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	128.0
MAGNESIUM (MG) DIS	200.0
SODIUM (NA) DIS	536.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.34
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.502
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	07/31/2013
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	3080047002
SAMPLE NUMBER	OCC-1307-601

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	9.15
PH (FLD)	NO MEAS
PH	7.6
SODIUM ADSORPTION RATIO	5.34
SC (UMHOS/CM AT 25 C)	1820.0
SC (UMHOS/CM AT 25 C) (FLD)	1730.0
TDS (MEASURED AT 180 C)	1090.0
WATER TEMPERATURE (FLD)	11.5

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	56.0
MAGNESIUM (MG) DIS	66.0
SODIUM (NA) DIS	165.0
POTASSIUM (K) DIS	17.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	460.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --

NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.021
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.56
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.52
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.176
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	07/31/2013
SAMPLE TIME	13:15
LAB	EL
LAB NUMBER	3080047004
SAMPLE NUMBER	OCC-1307-603

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.3
PH (FLD)	NO MEAS
PH	7.5
SODIUM ADSORPTION RATIO	6.23
SC (UMHOS/CM AT 25 C)	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	3300.0
TDS (MEASURED AT 180 C)	2530.0
WATER TEMPERATURE (FLD)	11.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	110.0
MAGNESIUM (MG) DIS	184.0
SODIUM (NA) DIS	460.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	510.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	3.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.5
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.68
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.712
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.009
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2
SAMPLE DATE	07/31/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3080047008
SAMPLE NUMBER	OCC-1307-607

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	11.23
PH (FLD)	NO MEAS
PH	7.4
SODIUM ADSORPTION RATIO	6.48
SC (UMHOS/CM AT 25 C)	5020.0
SC (UMHOS/CM AT 25 C) (FLD)	4960.0
TDS (MEASURED AT 180 C)	3700.0
WATER TEMPERATURE (FLD)	11.8

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	185.0
MAGNESIUM (MG) DIS	295.0
SODIUM (NA) DIS	610.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2500.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
	UJ4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.35
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.7
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	1.58
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-P2
SAMPLE DATE	08/28/2013
SAMPLE TIME	10:00
LAB	EL
LAB NUMBER	3080563005
SAMPLE NUMBER	OCC-1308-905

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.77
PH (FLD)	7.25
PH	7.3
SC (UMHOS/CM AT 25 C)	9920.0
SC (UMHOS/CM AT 25 C) (FLD)	9560.0
TDS (MEASURED AT 180 C)	7920.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	338.0
MAGNESIUM (MG) DIS	691.0
SODIUM (NA) DIS	1410.0
POTASSIUM (K) DIS	27.0
SULFATE (SO4)	6000.0
CHLORIDE (CL)	77.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVP3-P3
SAMPLE DATE	08/28/2013
SAMPLE TIME	09:55
LAB	EL
LAB NUMBER	3080563004
SAMPLE NUMBER	OCC-1308-904

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.29
PH (FLD)	7.3
PH	7.4
SC (UMHOS/CM AT 25 C)	6030.0
SC (UMHOS/CM AT 25 C) (FLD)	5720.0
TDS (MEASURED AT 180 C)	4090.0
WATER TEMPERATURE (FLD)	17.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	212.0
MAGNESIUM (MG) DIS	312.0
SODIUM (NA) DIS	874.0
POTASSIUM (K) DIS	20.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	47.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-P1
SAMPLE DATE	08/28/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3080563009
SAMPLE NUMBER	OCC-1308-909

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.75
PH (FLD)	7.53
PH	8.0
SC (UMHOS/CM AT 25 C)	6260.0
SC (UMHOS/CM AT 25 C) (FLD)	6070.0
TDS (MEASURED AT 180 C)	4120.0
WATER TEMPERATURE (FLD)	23.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	42.0
MAGNESIUM (MG) DIS	223.0
SODIUM (NA) DIS	1090.0
POTASSIUM (K) DIS	25.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	41.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.99

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-P2
SAMPLE DATE	08/28/2013
SAMPLE TIME	13:45
LAB	EL
LAB NUMBER	3080563010
SAMPLE NUMBER	OCC-1308-910

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.5
PH (FLD)	7.05
PH	7.4
SC (UMHOS/CM AT 25 C)	6980.0
SC (UMHOS/CM AT 25 C) (FLD)	6650.0
TDS (MEASURED AT 180 C)	5100.0
WATER TEMPERATURE (FLD)	19.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	213.0
MAGNESIUM (MG) DIS	433.0
SODIUM (NA) DIS	965.0
POTASSIUM (K) DIS	28.0
SULFATE (SO4)	3700.0
CHLORIDE (CL)	32.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	07/31/2013
SAMPLE TIME	11:50
LAB	EL
LAB NUMBER	3080047003
SAMPLE NUMBER	OCC-1307-602

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.38
PH (FLD)	NO MEAS
PH	7.4
SODIUM ADSORPTION RATIO	3.08
SC (UMHOS/CM AT 25 C)	1620.0
SC (UMHOS/CM AT 25 C) (FLD)	1575.0
TDS (MEASURED AT 180 C)	1030.0
WATER TEMPERATURE (FLD)	11.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	80.0
MAGNESIUM (MG) DIS	83.0
SODIUM (NA) DIS	165.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	460.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	450.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.98
	J4D

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.63
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.055
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3	AVF6-3
SAMPLE DATE	07/31/2013	07/31/2013
SAMPLE TIME	15:40	15:45
LAB	EL	EL
LAB NUMBER	3080047006	3080047007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-605	OCC-1307-606
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	12.73	
PH (FLD)	NO MEAS	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	6.65	6.78
SC (UMHOS/CM AT 25 C)	3100.0	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	3000.0	
TDS (MEASURED AT 180 C)	2180.0	2120.0
WATER TEMPERATURE (FLD)	12.0	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	102.0	99.0
MAGNESIUM (MG) DIS	136.0	131.0
SODIUM (NA) DIS	437.0	437.0
POTASSIUM (K) DIS	21.0	21.0
TOTAL ALKALINITY AS CACO3	640.0	640.0
BICARBONATE (HCO3)	780.0	780.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1200.0	1200.0
CHLORIDE (CL)	5.0	5.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.8	1.1
	J4D	
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	0.007	0.007
BARIUM (BA) DIS	0.02	0.02
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.44	0.44
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.161	0.162
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	0.004	0.005
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P1
SAMPLE DATE	08/28/2013
SAMPLE TIME	09:50
LAB	EL
LAB NUMBER	3080563003
SAMPLE NUMBER	OCC-1308-902

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.22
PH (FLD)	7.24
PH	7.5
SC (UMHOS/CM AT 25 C)	4550.0
SC (UMHOS/CM AT 25 C) (FLD)	4450.0
TDS (MEASURED AT 180 C)	3120.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	104.0
MAGNESIUM (MG) DIS	226.0
SODIUM (NA) DIS	710.0
POTASSIUM (K) DIS	30.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	40.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.68

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P2
SAMPLE DATE	08/28/2013
SAMPLE TIME	16:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1308-903

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	13.68
PH (FLD)	7.3
SC (UMHOS/CM AT 25 C) (FLD)	4060.0
WATER TEMPERATURE (FLD)	24.5

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P3
SAMPLE DATE	08/28/2013
SAMPLE TIME	08:50
LAB	EL
LAB NUMBER	3080563002
SAMPLE NUMBER	OCC-1308-901

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.91
PH (FLD)	7.43
PH	7.7
SC (UMHOS/CM AT 25 C)	8580.0
SC (UMHOS/CM AT 25 C) (FLD)	8250.0
TDS (MEASURED AT 180 C)	6250.0
WATER TEMPERATURE (FLD)	22.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	191.0
MAGNESIUM (MG) DIS	495.0
SODIUM (NA) DIS	1340.0
POTASSIUM (K) DIS	33.0
SULFATE (SO4)	4700.0
CHLORIDE (CL)	43.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P4
SAMPLE DATE	08/28/2013
SAMPLE TIME	08:00
LAB	EL
LAB NUMBER	3080563001
SAMPLE NUMBER	OCC-1308-900

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.94
PH (FLD)	7.05
PH	7.3
SC (UMHOS/CM AT 25 C)	10900.0
SC (UMHOS/CM AT 25 C) (FLD)	10420.0
TDS (MEASURED AT 180 C)	8710.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	273.0
MAGNESIUM (MG) DIS	666.0
SODIUM (NA) DIS	1790.0
POTASSIUM (K) DIS	29.0
SULFATE (SO4)	6400.0
CHLORIDE (CL)	41.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P3	AVF8-P3
SAMPLE DATE	08/28/2013	08/28/2013
SAMPLE TIME	12:15	12:30
LAB	EL	EL
LAB NUMBER	3080563007	3080563008
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1308-907	OCC-1308-908
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	8.61	
PH (FLD)	7.41	
PH	7.5	7.4
SC (UMHOS/CM AT 25 C)	5680.0	5660.0
SC (UMHOS/CM AT 25 C) (FLD)	5510.0	
TDS (MEASURED AT 180 C)	4220.0	4300.0
WATER TEMPERATURE (FLD)	15.2	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	191.0	192.0
MAGNESIUM (MG) DIS	338.0	343.0
SODIUM (NA) DIS	730.0	738.0
POTASSIUM (K) DIS	25.0	25.0
SULFATE (SO4)	2800.0	2900.0
CHLORIDE (CL)	28.0	27.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P4
SAMPLE DATE	08/28/2013
SAMPLE TIME	11:20
LAB	EL
LAB NUMBER	3080563006
SAMPLE NUMBER	OCC-1308-906

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.4
PH (FLD)	7.83
PH	7.8
SC (UMHOS/CM AT 25 C)	6750.0
SC (UMHOS/CM AT 25 C) (FLD)	6600.0
TDS (MEASURED AT 180 C)	4660.0
WATER TEMPERATURE (FLD)	27.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	184.0
MAGNESIUM (MG) DIS	347.0
SODIUM (NA) DIS	986.0
POTASSIUM (K) DIS	35.0
SULFATE (SO4)	3500.0
CHLORIDE (CL)	32.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	08/06/2013
SAMPLE TIME	13:17
LAB	EL
LAB NUMBER	3080121006
SAMPLE NUMBER	OCC-1308-366
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	38.86
PH (FLD)	6.67
PH	7.9
SODIUM ADSORPTION RATIO	1.82
SC (UMHOS/CM AT 25 C)	1410.0
SC (UMHOS/CM AT 25 C) (FLD)	1236.0
TDS (MEASURED AT 180 C)	1030.0
WATER TEMPERATURE (FLD)	11.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	104.0
SODIUM (NA) DIS	104.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	300.0
BICARBONATE (HCO3)	360.0
CARBONATE AS CO3	2.0
SULFATE (SO4)	550.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.54
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.031
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	1.02
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.03
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.018
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	08/06/2013
SAMPLE TIME	15:11
LAB	EL
LAB NUMBER	3080121007
SAMPLE NUMBER	OCC-1308-367
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.2
PH (FLD)	6.71
PH	8.1
SODIUM ADSORPTION RATIO	50.5
SC (UMHOS/CM AT 25 C)	4690.0
SC (UMHOS/CM AT 25 C) (FLD)	4181.0
TDS (MEASURED AT 180 C)	3380.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	25.0
MAGNESIUM (MG) DIS	9.0
SODIUM (NA) DIS	1160.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	<5.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.031
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-O
SAMPLE DATE	08/06/2013
SAMPLE TIME	15:45
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1308-370

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	08/06/2013
SAMPLE TIME	16:22
LAB	EL
LAB NUMBER	3080121008
SAMPLE NUMBER	OCC-1308-368

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.78
PH (FLD)	7.09
PH	8.5
SODIUM ADSORPTION RATIO	47.1
SC (UMHOS/CM AT 25 C)	1170.0
SC (UMHOS/CM AT 25 C) (FLD)	1052.0
TDS (MEASURED AT 180 C)	713.0
WATER TEMPERATURE (FLD)	16.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	292.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	35.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.029
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	07/24/2013
SAMPLE TIME	18:15
LAB	EL
LAB NUMBER	3070514016
SAMPLE NUMBER	OCC-1307-115

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.24
PH (FLD)	6.71
PH	7.3
SODIUM ADSORPTION RATIO	23.0
SC (UMHOS/CM AT 25 C)	6820.0
SC (UMHOS/CM AT 25 C) (FLD)	5950.0
TDS (MEASURED AT 180 C)	5250.0
WATER TEMPERATURE (FLD)	18.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	180.0
MAGNESIUM (MG) DIS	74.0
SODIUM (NA) DIS	1450.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2900.0
CHLORIDE (CL)	44.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.61
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.007
COPPER (CU) DIS	0.004
IRON (FE) DIS	0.91
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.135
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.02

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	07/24/2013
SAMPLE TIME	17:28
LAB	EL
LAB NUMBER	3070514015
SAMPLE NUMBER	OCC-1307-114
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	195.27
PH (FLD)	8.58
PH	8.6
SODIUM ADSORPTION RATIO	41.6
SC (UMHOS/CM AT 25 C)	1170.0
SC (UMHOS/CM AT 25 C) (FLD)	1009.0
TDS (MEASURED AT 180 C)	671.0
WATER TEMPERATURE (FLD)	16.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	290.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	4.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.079
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	07/25/2013
SAMPLE TIME	17:24
LAB	EL
LAB NUMBER	3070514024
SAMPLE NUMBER	OCC-1307-123
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.14
PH (FLD)	7.43
PH	7.8
SODIUM ADSORPTION RATIO	25.3
SC (UMHOS/CM AT 25 C)	5200.0
SC (UMHOS/CM AT 25 C) (FLD)	4205.0
TDS (MEASURED AT 180 C)	3780.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	75.0
MAGNESIUM (MG) DIS	38.0
SODIUM (NA) DIS	1070.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	980.0
CARBONATE AS CO3	17.0
SULFATE (SO4)	2000.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.009
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.38
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.053
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	07/25/2013
SAMPLE TIME	15:05
LAB	EL
LAB NUMBER	3070514022
SAMPLE NUMBER	OCC-1307-121

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.16
PH (FLD)	6.99
PH	7.1
SODIUM ADSORPTION RATIO	3.95
SC (UMHOS/CM AT 25 C)	4370.0
SC (UMHOS/CM AT 25 C) (FLD)	3792.0
TDS (MEASURED AT 180 C)	3450.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	148.0
MAGNESIUM (MG) DIS	406.0
SODIUM (NA) DIS	410.0
POTASSIUM (K) DIS	10.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.0
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.049
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	07/25/2013
SAMPLE TIME	16:30
LAB	EL
LAB NUMBER	3070514023
SAMPLE NUMBER	OCC-1307-122
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	184.7
PH (FLD)	8.37
PH	8.3
SODIUM ADSORPTION RATIO	44.4
SC (UMHOS/CM AT 25 C)	2180.0
SC (UMHOS/CM AT 25 C) (FLD)	1932.0
TDS (MEASURED AT 180 C)	1350.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	6.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	504.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	430.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.7
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.003
IRON (FE) DIS	0.28
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	08/06/2013
SAMPLE TIME	10:33
LAB	EL
LAB NUMBER	3080121002
SAMPLE NUMBER	OCC-1308-362
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	182.8
PH (FLD)	6.97
PH	8.3
SODIUM ADSORPTION RATIO	54.2
SC (UMHOS/CM AT 25 C)	1320.0
SC (UMHOS/CM AT 25 C) (FLD)	1107.0
TDS (MEASURED AT 180 C)	825.0
WATER TEMPERATURE (FLD)	15.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	362.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	800.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.095
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	08/06/2013
SAMPLE TIME	12:05
LAB	EL
LAB NUMBER	3080121005
SAMPLE NUMBER	OCC-1308-365
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	143.86
PH (FLD)	6.98
PH	7.8
SODIUM ADSORPTION RATIO	45.4
SC (UMHOS/CM AT 25 C)	2380.0
SC (UMHOS/CM AT 25 C) (FLD)	2120.0
TDS (MEASURED AT 180 C)	1670.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	3.0
SODIUM (NA) DIS	572.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	940.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	14.0
SULFATE (SO4)	370.0
CHLORIDE (CL)	48.0
FLUORIDE (F)	3.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.61
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.7
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.031
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.31
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.086
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	08/06/2013
SAMPLE TIME	11:51
LAB	EL
LAB NUMBER	3080121004
SAMPLE NUMBER	OCC-1308-364

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.55
PH (FLD)	7.05
PH	8.6
SODIUM ADSORPTION RATIO	49.1
SC (UMHOS/CM AT 25 C)	1050.0
SC (UMHOS/CM AT 25 C) (FLD)	954.0
TDS (MEASURED AT 180 C)	640.0
WATER TEMPERATURE (FLD)	17.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	278.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	590.0
BICARBONATE (HCO3)	640.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	28.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.074
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K
SAMPLE DATE	07/26/2013
SAMPLE TIME	11:05
LAB	EL
LAB NUMBER	3070514028
SAMPLE NUMBER	OCC-1307-127
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	129.02
PH (FLD)	8.17
PH	8.2
SODIUM ADSORPTION RATIO	51.4
SC (UMHOS/CM AT 25 C)	1520.0
SC (UMHOS/CM AT 25 C) (FLD)	1305.0
TDS (MEASURED AT 180 C)	929.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	390.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	880.0
BICARBONATE (HCO3)	990.0
CARBONATE AS CO3	43.0
SULFATE (SO4)	22.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.106
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	07/26/2013
SAMPLE TIME	08:25
LAB	EL
LAB NUMBER	3070514025
SAMPLE NUMBER	OCC-1307-124
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.89
PH (FLD)	7.73
PH	8.1
SODIUM ADSORPTION RATIO	49.6
SC (UMHOS/CM AT 25 C)	5360.0
SC (UMHOS/CM AT 25 C) (FLD)	4670.0
TDS (MEASURED AT 180 C)	3840.0
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	25.0
MAGNESIUM (MG) DIS	13.0
SODIUM (NA) DIS	1170.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	1600.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.24
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	0.006
IRON (FE) DIS	0.13
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.062
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	07/26/2013
SAMPLE TIME	09:52
LAB	EL
LAB NUMBER	3070514027
SAMPLE NUMBER	OCC-1307-126
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.92
PH (FLD)	8.69
PH	8.6
SODIUM ADSORPTION RATIO	47.5
SC (UMHOS/CM AT 25 C)	971.0
SC (UMHOS/CM AT 25 C) (FLD)	847.0
TDS (MEASURED AT 180 C)	603.0
WATER TEMPERATURE (FLD)	17.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	239.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.025
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.1
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	07/23/2013
SAMPLE TIME	11:15
LAB	EL
LAB NUMBER	3070514003
SAMPLE NUMBER	OCC-1307-102
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	207.25
PH (FLD)	8.66
PH	8.5
SODIUM ADSORPTION RATIO	43.4
SC (UMHOS/CM AT 25 C)	1520.0
SC (UMHOS/CM AT 25 C) (FLD)	1345.0
TDS (MEASURED AT 180 C)	971.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	328.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	350.0
BICARBONATE (HCO3)	380.0
CARBONATE AS CO3	19.0
SULFATE (SO4)	390.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.11
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.009
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	07/23/2013
SAMPLE TIME	10:04
LAB	EL
LAB NUMBER	3070514002
SAMPLE NUMBER	OCC-1307-101
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.17
PH (FLD)	8.33
PH	8.3
SODIUM ADSORPTION RATIO	47.8
SC (UMHOS/CM AT 25 C)	1620.0
SC (UMHOS/CM AT 25 C) (FLD)	1416.0
TDS (MEASURED AT 180 C)	1010.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	398.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	870.0
BICARBONATE (HCO3)	980.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	76.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	2.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.5
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.18
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.02
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	07/23/2013
SAMPLE TIME	09:09
LAB	EL
LAB NUMBER	3070514001
SAMPLE NUMBER	OCC-1307-100
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	173.79
PH (FLD)	7.81
PH	8.1
SODIUM ADSORPTION RATIO	52.8
SC (UMHOS/CM AT 25 C)	4960.0
SC (UMHOS/CM AT 25 C) (FLD)	4316.0
TDS (MEASURED AT 180 C)	3500.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	20.0
MAGNESIUM (MG) DIS	9.0
SODIUM (NA) DIS	1140.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	930.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	20.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.19
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.05
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	07/23/2013
SAMPLE TIME	14:30
LAB	EL
LAB NUMBER	3070514004
SAMPLE NUMBER	OCC-1307-103
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	213.81
PH (FLD)	8.8
PH	8.6
SODIUM ADSORPTION RATIO	43.6
SC (UMHOS/CM AT 25 C)	937.0
SC (UMHOS/CM AT 25 C) (FLD)	849.0
TDS (MEASURED AT 180 C)	561.0
WATER TEMPERATURE (FLD)	19.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	233.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	11.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.2
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.077
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.017
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	07/25/2013
SAMPLE TIME	08:20
LAB	EL
LAB NUMBER	3070514017
SAMPLE NUMBER	OCC-1307-116
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.74
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	36.8
SC (UMHOS/CM AT 25 C)	1630.0
SC (UMHOS/CM AT 25 C) (FLD)	1430.0
TDS (MEASURED AT 180 C)	1030.0
WATER TEMPERATURE (FLD)	15.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	369.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	300.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	07/25/2013
SAMPLE TIME	11:24
LAB	EL
LAB NUMBER	3070514020
SAMPLE NUMBER	OCC-1307-119
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.53
PH (FLD)	7.02
PH	7.4
SODIUM ADSORPTION RATIO	5.77
SC (UMHOS/CM AT 25 C)	3360.0
SC (UMHOS/CM AT 25 C) (FLD)	2796.0
TDS (MEASURED AT 180 C)	2570.0
WATER TEMPERATURE (FLD)	12.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	161.0
MAGNESIUM (MG) DIS	164.0
SODIUM (NA) DIS	436.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.4
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.34
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.085
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	07/25/2013
SAMPLE TIME	12:07
LAB	EL
LAB NUMBER	3070514021
SAMPLE NUMBER	OCC-1307-120
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	75.97
PH (FLD)	7.42
PH	7.8
SODIUM ADSORPTION RATIO	3.65
SC (UMHOS/CM AT 25 C)	2520.0
SC (UMHOS/CM AT 25 C) (FLD)	2148.0
TDS (MEASURED AT 180 C)	1860.0
WATER TEMPERATURE (FLD)	14.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	79.0
MAGNESIUM (MG) DIS	182.0
SODIUM (NA) DIS	258.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	440.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	7.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.19
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.074
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	07/25/2013
SAMPLE TIME	10:32
LAB	EL
LAB NUMBER	3070514019
SAMPLE NUMBER	OCC-1307-118
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	149.23
PH (FLD)	8.67
PH	8.6
SODIUM ADSORPTION RATIO	43.1
SC (UMHOS/CM AT 25 C)	1190.0
SC (UMHOS/CM AT 25 C) (FLD)	1022.0
TDS (MEASURED AT 180 C)	702.0
WATER TEMPERATURE (FLD)	18.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	277.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	39.0
FLUORIDE (F)	2.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.086
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	07/23/2013
SAMPLE TIME	15:56
LAB	EL
LAB NUMBER	3070514005
SAMPLE NUMBER	OCC-1307-104
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	99.87
PH (FLD)	8.31
PH	8.3
SODIUM ADSORPTION RATIO	60.7
SC (UMHOS/CM AT 25 C)	1630.0
SC (UMHOS/CM AT 25 C) (FLD)	1396.0
TDS (MEASURED AT 180 C)	980.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	422.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	950.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	43.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.115
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.14
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.057
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	07/23/2013
SAMPLE TIME	17:24
LAB	EL
LAB NUMBER	3070514006
SAMPLE NUMBER	OCC-1307-105
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.98
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	40.7
SC (UMHOS/CM AT 25 C)	1030.0
SC (UMHOS/CM AT 25 C) (FLD)	926.0
TDS (MEASURED AT 180 C)	612.0
WATER TEMPERATURE (FLD)	17.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	247.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	570.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	24.0
FLUORIDE (F)	2.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.3
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.081
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.12
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	07/24/2013
SAMPLE TIME	10:11
LAB	EL
LAB NUMBER	3070514010
SAMPLE NUMBER	OCC-1307-109
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	60.54
PH (FLD)	8.69
PH	8.3
SODIUM ADSORPTION RATIO	47.1
SC (UMHOS/CM AT 25 C)	1460.0
SC (UMHOS/CM AT 25 C) (FLD)	1248.0
TDS (MEASURED AT 180 C)	880.0
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	368.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	830.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	41.0
SULFATE (SO4)	1.0
CHLORIDE (CL)	28.0
FLUORIDE (F)	2.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.15
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.09
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.015
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	07/24/2013
SAMPLE TIME	08:43
LAB	EL
LAB NUMBER	3070514008
SAMPLE NUMBER	OCC-1307-107
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	46.79
PH (FLD)	7.29
PH	7.3
SODIUM ADSORPTION RATIO	24.1
SC (UMHOS/CM AT 25 C)	5200.0
SC (UMHOS/CM AT 25 C) (FLD)	4337.0
TDS (MEASURED AT 180 C)	3840.0
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	87.0
MAGNESIUM (MG) DIS	38.0
SODIUM (NA) DIS	1070.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.29
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.6
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.046
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	07/24/2013
SAMPLE TIME	08:05
LAB	EL
LAB NUMBER	3070514007
SAMPLE NUMBER	OCC-1307-106

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	29.28
PH (FLD)	5.71
PH	5.8
SODIUM ADSORPTION RATIO	25.0
SC (UMHOS/CM AT 25 C)	3370.0
SC (UMHOS/CM AT 25 C) (FLD)	2821.0
TDS (MEASURED AT 180 C)	3710.0
WATER TEMPERATURE (FLD)	12.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	27.0
MAGNESIUM (MG) DIS	24.0
SODIUM (NA) DIS	747.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	340.0
TOTAL ACIDITY AS CACO3	180.0
	J3
BICARBONATE (HCO3)	410.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1200.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.13
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	5.1
ARSENIC (AS) DIS	0.195
BARIUM (BA) DIS	0.078
BERYLLIUM (BE) DIS	0.001
BORON (B) DIS	0.37
CADMIUM (CD) DIS	0.00027
CHROMIUM (CR) DIS	0.009
COPPER (CU) DIS	0.006
IRON (FE) DIS	30.5
LEAD (PB) DIS	0.0131
MANGANESE (MN) DIS	0.112
MERCURY (HG) DIS	0.00012
MOLYBDENUM (MO) DIS	0.012
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	0.06

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	07/24/2013
SAMPLE TIME	08:49
LAB	EL
LAB NUMBER	3070514009
SAMPLE NUMBER	OCC-1307-108

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	64.81
PH (FLD)	8.47
PH	8.3
SODIUM ADSORPTION RATIO	46.1
SC (UMHOS/CM AT 25 C)	1380.0
SC (UMHOS/CM AT 25 C) (FLD)	1196.0
TDS (MEASURED AT 180 C)	808.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	336.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	62.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.139
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.033
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K	B11-K
SAMPLE DATE	07/24/2013	07/24/2013
SAMPLE TIME	12:25	12:27
LAB	EL	EL
LAB NUMBER	3070514011	3070514012
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-110	OCC-1307-111
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	192.85	
PH (FLD)	8.28	
PH	8.3	8.2
SODIUM ADSORPTION RATIO	53.0	52.4
SC (UMHOS/CM AT 25 C)	1100.0	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	946.0	
TDS (MEASURED AT 180 C)	663.0	647.0
WATER TEMPERATURE (FLD)	15.4	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	1.0	1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	289.0	276.0
POTASSIUM (K) DIS	1.0	1.0
TOTAL ALKALINITY AS CACO3	640.0	640.0
BICARBONATE (HCO3)	720.0	720.0
CARBONATE AS CO3	30.0	31.0
SULFATE (SO4)	3.0	3.0
CHLORIDE (CL)	8.0	8.0
FLUORIDE (F)	3.8	3.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.118	0.116
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.14	0.14
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.08	0.06
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.016	0.014
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	07/24/2013
SAMPLE TIME	13:10
LAB	EL
LAB NUMBER	3070514013
SAMPLE NUMBER	OCC-1307-112

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	111.26
PH (FLD)	7.68
PH	7.6
SODIUM ADSORPTION RATIO	40.1
SC (UMHOS/CM AT 25 C)	7620.0
SC (UMHOS/CM AT 25 C) (FLD)	6580.0
TDS (MEASURED AT 180 C)	5820.0
WATER TEMPERATURE (FLD)	14.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	81.0
MAGNESIUM (MG) DIS	41.0
SODIUM (NA) DIS	1770.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	740.0
BICARBONATE (HCO3)	900.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3300.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.8
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.029
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.154
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	07/24/2013
SAMPLE TIME	15:15
LAB	EL
LAB NUMBER	3070514014
SAMPLE NUMBER	OCC-1307-113
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.86
PH (FLD)	8.72
PH	8.6
SODIUM ADSORPTION RATIO	37.0
SC (UMHOS/CM AT 25 C)	983.0
SC (UMHOS/CM AT 25 C) (FLD)	866.0
TDS (MEASURED AT 180 C)	574.0
WATER TEMPERATURE (FLD)	19.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	237.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	4.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-1
SAMPLE DATE	07/24/2013
SAMPLE TIME	18:25
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1307-128

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	150.85

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2
SAMPLE DATE	08/06/2013
SAMPLE TIME	06:50
LAB	EL
LAB NUMBER	3080158002
SAMPLE NUMBER	OCC-1308-551
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	42.11
PH (FLD)	7.84
PH	7.8
SODIUM ADSORPTION RATIO	7.87
SC (UMHOS/CM AT 25 C)	3000.0
SC (UMHOS/CM AT 25 C) (FLD)	3030.0
TDS (MEASURED AT 180 C)	2150.0
WATER TEMPERATURE (FLD)	14.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	73.0
MAGNESIUM (MG) DIS	119.0
SODIUM (NA) DIS	469.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	660.0
BICARBONATE (HCO3)	790.0
CARBONATE AS CO3	6.0
SULFATE (SO4)	1000.0
CHLORIDE (CL)	30.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	4.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.057
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.38
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.005
COPPER (CU) DIS	0.004
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.03
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	0.02
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	08/06/2013
SAMPLE TIME	06:05
LAB	EL
LAB NUMBER	3080158001
SAMPLE NUMBER	OCC-1308-550

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.4
PH (FLD)	7.62
PH	7.6
SODIUM ADSORPTION RATIO	6.48
SC (UMHOS/CM AT 25 C)	3460.0
SC (UMHOS/CM AT 25 C) (FLD)	3480.0
TDS (MEASURED AT 180 C)	2670.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	118.0
MAGNESIUM (MG) DIS	188.0
SODIUM (NA) DIS	487.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	780.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.44
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.002
IRON (FE) DIS	5.54
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.503
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4
SAMPLE DATE	08/06/2013	08/06/2013
SAMPLE TIME	09:20	09:25
LAB	EL	EL
LAB NUMBER	3080158005	3080158006
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1308-554	OCC-1308-555
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	71.77	
PH (FLD)	7.57	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	7.03	7.07
SC (UMHOS/CM AT 25 C)	4190.0	4220.0
SC (UMHOS/CM AT 25 C) (FLD)	4180.0	
TDS (MEASURED AT 180 C)	3360.0	3350.0
WATER TEMPERATURE (FLD)	13.5	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	143.0	144.0
MAGNESIUM (MG) DIS	222.0	224.0
SODIUM (NA) DIS	576.0	581.0
POTASSIUM (K) DIS	20.0	20.0
TOTAL ALKALINITY AS CACO3	710.0	710.0
BICARBONATE (HCO3)	870.0	870.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1900.0	1900.0
CHLORIDE (CL)	<5.0	<5.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	0.024	0.024
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	0.34	0.35
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	2.36	2.36
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	0.375	0.379
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	08/06/2013
SAMPLE TIME	08:00
LAB	EL
LAB NUMBER	3080158003
SAMPLE NUMBER	OCC-1308-552

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	73.41
PH (FLD)	8.5
PH	8.4
SODIUM ADSORPTION RATIO	41.4
SC (UMHOS/CM AT 25 C)	1720.0
SC (UMHOS/CM AT 25 C) (FLD)	1800.0
TDS (MEASURED AT 180 C)	1090.0
WATER TEMPERATURE (FLD)	15.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	437.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	860.0
BICARBONATE (HCO3)	950.0
CARBONATE AS CO3	49.0
SULFATE (SO4)	140.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.182
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	08/06/2013
SAMPLE TIME	11:40
LAB	EL
LAB NUMBER	3080158008
SAMPLE NUMBER	OCC-1308-557
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	62.41
PH (FLD)	8.64
PH	8.6
SODIUM ADSORPTION RATIO	41.1
SC (UMHOS/CM AT 25 C)	1110.0
SC (UMHOS/CM AT 25 C) (FLD)	1211.0
TDS (MEASURED AT 180 C)	680.0
WATER TEMPERATURE (FLD)	15.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	278.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	690.0
CARBONATE AS CO3	42.0
SULFATE (SO4)	13.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.103
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	08/06/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3080158010
SAMPLE NUMBER	OCC-1308-559
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.77
PH (FLD)	6.98
PH	7.0
SODIUM ADSORPTION RATIO	2.92
SC (UMHOS/CM AT 25 C)	2000.0
SC (UMHOS/CM AT 25 C) (FLD)	1980.0
TDS (MEASURED AT 180 C)	1380.0
WATER TEMPERATURE (FLD)	16.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	142.0
MAGNESIUM (MG) DIS	100.0
SODIUM (NA) DIS	186.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	600.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.029
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.31
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.67
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.074
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	08/06/2013
SAMPLE TIME	12:45
LAB	EL
LAB NUMBER	3080158009
SAMPLE NUMBER	OCC-1308-558
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	53.51
PH (FLD)	8.67
PH	8.6
SODIUM ADSORPTION RATIO	41.6
SC (UMHOS/CM AT 25 C)	1060.0
SC (UMHOS/CM AT 25 C) (FLD)	1161.0
TDS (MEASURED AT 180 C)	651.0
WATER TEMPERATURE (FLD)	16.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	253.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	490.0
CARBONATE AS CO3	31.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	0.003
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.05
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.019
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	08/06/2013
SAMPLE TIME	08:50
LAB	EL
LAB NUMBER	3080158004
SAMPLE NUMBER	OCC-1308-553
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.83
PH (FLD)	8.21
PH	8.1
SODIUM ADSORPTION RATIO	46.0
SC (UMHOS/CM AT 25 C)	1280.0
SC (UMHOS/CM AT 25 C) (FLD)	1343.0
TDS (MEASURED AT 180 C)	792.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	336.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	760.0
BICARBONATE (HCO3)	870.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	1.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	2.32
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.112
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.18
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.022
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6
SAMPLE DATE	08/06/2013
SAMPLE TIME	10:55
LAB	EL
LAB NUMBER	3080158007
SAMPLE NUMBER	OCC-1308-556
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	72.09
PH (FLD)	7.64
PH	7.6
SODIUM ADSORPTION RATIO	12.1
SC (UMHOS/CM AT 25 C)	3100.0
SC (UMHOS/CM AT 25 C) (FLD)	3150.0
TDS (MEASURED AT 180 C)	2150.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	69.0
MAGNESIUM (MG) DIS	68.0
SODIUM (NA) DIS	589.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	950.0
BICARBONATE (HCO3)	1200.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	840.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ARSENIC (AS) DIS	<0.003
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.001
BORON (B) DIS	0.21
CADMIUM (CD) DIS	<0.00008
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.7
LEAD (PB) DIS	<0.0005
MANGANESE (MN) DIS	0.096
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.01
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.1
ZINC (ZN) DIS	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:45
LAB	EL
LAB NUMBER	3070565009
SAMPLE NUMBER	OCC-1307-508
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.1
SODIUM ADSORPTION RATIO	7.36
SC (UMHOS/CM AT 25 C)	1870.0
SC (UMHOS/CM AT 25 C) (FLD)	2000.0
TDS (MEASURED AT 180 C)	1280.0
TOTAL SUSPENDED SOLIDS	14.0
TURBIDITY (NTU)	32.7
	J4D
WATER TEMPERATURE (FLD)	25.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	66.0
CALCIUM (CA) TRC	70.0
MAGNESIUM (MG) DIS	36.0
MAGNESIUM (MG) TRC	37.0
SODIUM (NA) DIS	299.0
SODIUM (NA) TRC	310.0
POTASSIUM (K) DIS	7.0
POTASSIUM (K) TRC	8.0
TOTAL ALKALINITY AS CACO3	290.0
BICARBONATE (HCO3)	340.0
CARBONATE AS CO3	9.0
SULFATE (SO4)	700.0
CHLORIDE (CL)	1.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.8
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.093
BARIUM (BA) TRC	0.104
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.04
BORON (B) TRC	0.04
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.05
IRON (FE) TRC	1.35
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0011

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:45
LAB	EL
LAB NUMBER	3070565009
SAMPLE NUMBER	OCC-1307-508

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.044
MANGANESE (MN) TRC	0.087
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3070565008
SAMPLE NUMBER	OCC-1307-507

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.5
SODIUM ADSORPTION RATIO	1.07
SC (UMHOS/CM AT 25 C)	378.0
SC (UMHOS/CM AT 25 C) (FLD)	420.0
TDS (MEASURED AT 180 C)	270.0
TOTAL SUSPENDED SOLIDS	206.0
TURBIDITY (NTU)	188.0
	J4D
WATER TEMPERATURE (FLD)	30.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	31.0
CALCIUM (CA) TRC	29.0
MAGNESIUM (MG) DIS	14.0
MAGNESIUM (MG) TRC	15.0
SODIUM (NA) DIS	28.0
SODIUM (NA) TRC	29.0
POTASSIUM (K) DIS	18.0
POTASSIUM (K) TRC	19.0
TOTAL ALKALINITY AS CACO3	200.0
BICARBONATE (HCO3)	220.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	7.0
CHLORIDE (CL)	5.0
FLUORIDE (F)	0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.1
ALUMINUM (AL) TRC	3.5
ARSENIC (AS) DIS	0.006
ARSENIC (AS) TRC	0.014
BARIUM (BA) DIS	0.145
BARIUM (BA) TRC	0.198
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.08
BORON (B) TRC	0.08
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	0.00012
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.006
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.009
IRON (FE) DIS	0.2
IRON (FE) TRC	8.96
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0085

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P3
SAMPLE DATE	07/30/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3070565008
SAMPLE NUMBER	OCC-1307-507

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.316
MANGANESE (MN) TRC	0.539
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.007
MOLYBDENUM (MO) TRC	0.006
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	0.02
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	0.03

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4
SAMPLE DATE	07/30/2013	07/30/2013
SAMPLE TIME	15:40	15:50
LAB	EL	EL
LAB NUMBER	3070565006	3070565007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-505	OCC-1307-506
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	
PH (FLD)	NO MEAS	
PH	7.9	7.9
SODIUM ADSORPTION RATIO	2.22	2.32
SC (UMHOS/CM AT 25 C)	759.0	755.0
SC (UMHOS/CM AT 25 C) (FLD)	815.0	
TDS (MEASURED AT 180 C)	489.0	487.0
TOTAL SUSPENDED SOLIDS	21.0	16.0
TURBIDITY (NTU)	15.7	10.6
	J4D	
WATER TEMPERATURE (FLD)	23.7	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	44.0	44.0
CALCIUM (CA) TRC	46.0	47.0
MAGNESIUM (MG) DIS	23.0	24.0
MAGNESIUM (MG) TRC	24.0	25.0
SODIUM (NA) DIS	73.0	77.0
SODIUM (NA) TRC	74.0	78.0
POTASSIUM (K) DIS	9.0	9.0
POTASSIUM (K) TRC	9.0	10.0
TOTAL ALKALINITY AS CACO3	150.0	150.0
BICARBONATE (HCO3)	180.0	180.0
CARBONATE AS CO3	1.0	2.0
SULFATE (SO4)	240.0	240.0
CHLORIDE (CL)	2.0	2.0
FLUORIDE (F)	0.2	0.2
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.02
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ALUMINUM (AL) TRC	0.3	0.3
ARSENIC (AS) DIS	<0.003	<0.003
ARSENIC (AS) TRC	<0.003	<0.003
BARIUM (BA) DIS	0.091	0.091
BARIUM (BA) TRC	0.098	0.099
BERYLLIUM (BE) DIS	<0.001	<0.001
BERYLLIUM (BE) TRC	<0.001	<0.001
BORON (B) DIS	0.06	0.05
BORON (B) TRC	0.07	0.07
CADMIUM (CD) DIS	<0.00008	<0.00008
CADMIUM (CD) TRC	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	0.001	0.001
IRON (FE) DIS	0.23	0.23
IRON (FE) TRC	0.76	0.78
LEAD (PB) DIS	<0.0005	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4	P4
SAMPLE DATE	07/30/2013	07/30/2013
SAMPLE TIME	15:40	15:50
LAB	EL	EL
LAB NUMBER	3070565006	3070565007
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1307-505	OCC-1307-506
-- METALS & MINOR CONSTITUENTS --		
LEAD (PB) TRC	0.0005	0.0006
MANGANESE (MN) DIS	0.116	0.114
MANGANESE (MN) TRC	0.134	0.134
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
NICKEL (NI) TRC	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
VANADIUM (V) TRC	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01
ZINC (ZN) TRC	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	07/30/2013
SAMPLE TIME	10:15
LAB	EL
LAB NUMBER	3070565003
SAMPLE NUMBER	OCC-1307-502

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	7.6
SODIUM ADSORPTION RATIO	9.04
SC (UMHOS/CM AT 25 C)	6370.0
SC (UMHOS/CM AT 25 C) (FLD)	6740.0
TDS (MEASURED AT 180 C)	5800.0
TOTAL SUSPENDED SOLIDS	40.0
TURBIDITY (NTU)	6.5
	J4D
WATER TEMPERATURE (FLD)	21.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	340.0
CALCIUM (CA) TRC	352.0
MAGNESIUM (MG) DIS	301.0
MAGNESIUM (MG) TRC	301.0
SODIUM (NA) DIS	950.0
SODIUM (NA) TRC	950.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	23.0
TOTAL ALKALINITY AS CACO3	310.0
BICARBONATE (HCO3)	380.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3700.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	<0.2
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.11
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	0.003
BARIUM (BA) DIS	0.037
BARIUM (BA) TRC	0.038
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.18
BORON (B) TRC	0.19
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	<0.05
IRON (FE) TRC	0.18
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	07/30/2013
SAMPLE TIME	10:15
LAB	EL
LAB NUMBER	3070565003
SAMPLE NUMBER	OCC-1307-502

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.518
MANGANESE (MN) TRC	0.516
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	0.02
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	07/30/2013
SAMPLE TIME	20:20
LAB	EL
LAB NUMBER	3070565011
SAMPLE NUMBER	OCC-1307-512

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.6
SODIUM ADSORPTION RATIO	5.88
SC (UMHOS/CM AT 25 C)	3350.0
SC (UMHOS/CM AT 25 C) (FLD)	3600.0
TDS (MEASURED AT 180 C)	2660.0
TOTAL SUSPENDED SOLIDS	96.0
TURBIDITY (NTU)	35.0
	J4D
WATER TEMPERATURE (FLD)	24.2

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	40.0
CALCIUM (CA) TRC	42.0
MAGNESIUM (MG) DIS	226.0
MAGNESIUM (MG) TRC	228.0
SODIUM (NA) DIS	433.0
SODIUM (NA) TRC	440.0
POTASSIUM (K) DIS	17.0
POTASSIUM (K) TRC	17.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	510.0
CARBONATE AS CO3	51.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	0.5

-- NUTRIENTS --

NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.8
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.009
BARIUM (BA) TRC	0.017
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.51
BORON (B) TRC	0.57
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.002
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	1.37
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	0.0011

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	07/30/2013
SAMPLE TIME	20:20
LAB	EL
LAB NUMBER	3070565011
SAMPLE NUMBER	OCC-1307-512

-- METALS & MINOR CONSTITUENTS --

MANGANESE (MN) DIS	0.035
MANGANESE (MN) TRC	0.103
MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK
SAMPLE DATE	07/25/2013	08/06/2013
SAMPLE TIME	10:00	10:55
LAB	EL	EL
LAB NUMBER	3070514018	3080121003
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1307-117	OCC-1308-363
-- PHYSICAL PARAMETERS --		
PH	5.7	5.6
SODIUM ADSORPTION RATIO	0.16	0.09
SC (UMHOS/CM AT 25 C)	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	2.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	07/26/2013	08/06/2013
SAMPLE TIME	08:50	15:30
LAB	EL	EL
LAB NUMBER	3070514026	3080121009
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1307-125	OCC-1308-369
-- PHYSICAL PARAMETERS --		
PH	5.8	5.9
SODIUM ADSORPTION RATIO	0.14	0.06
SC (UMHOS/CM AT 25 C)	2.0	1.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
MAGNESIUM (MG) DIS	<1.0	<1.0
SODIUM (NA) DIS	<1.0	<1.0
POTASSIUM (K) DIS	<1.0	<1.0
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.1	<0.1
ARSENIC (AS) DIS	<0.003	<0.003
BARIUM (BA) DIS	<0.005	<0.005
BERYLLIUM (BE) DIS	<0.001	<0.001
BORON (B) DIS	<0.01	<0.01
CADMIUM (CD) DIS	<0.00008	<0.00008
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	<0.05	<0.05
LEAD (PB) DIS	<0.0005	<0.0005
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.01	<0.01
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.1	<0.1
ZINC (ZN) DIS	<0.01	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	07/29/2013
SAMPLE TIME	20:45
LAB	EL
LAB NUMBER	3070565002
SAMPLE NUMBER	OCC-1307-501
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	NO MEAS
PH	8.9
SODIUM ADSORPTION RATIO	43.4
SC (UMHOS/CM AT 25 C)	1740.0
SC (UMHOS/CM AT 25 C) (FLD)	2000.0
TDS (MEASURED AT 180 C)	1130.0
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	4.5
WATER TEMPERATURE (FLD)	22.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
CALCIUM (CA) TRC	4.0
MAGNESIUM (MG) DIS	1.0
MAGNESIUM (MG) TRC	1.0
SODIUM (NA) DIS	383.0
SODIUM (NA) TRC	388.0
POTASSIUM (K) DIS	3.0
POTASSIUM (K) TRC	3.0
TOTAL ALKALINITY AS CACO3	340.0
BICARBONATE (HCO3)	330.0
CARBONATE AS CO3	38.0
SULFATE (SO4)	500.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.9
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.011
BARIUM (BA) TRC	0.013
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.11
BORON (B) TRC	0.11
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.09
IRON (FE) TRC	0.26
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	0.011
MANGANESE (MN) TRC	0.014

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	COAL CREEK SP
SAMPLE DATE	07/29/2013
SAMPLE TIME	20:45
LAB	EL
LAB NUMBER	3070565002
SAMPLE NUMBER	OCC-1307-501

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	08/06/2013
SAMPLE TIME	08:45
LAB	EL
LAB NUMBER	3080121001
SAMPLE NUMBER	OCC-1308-361
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	0.00177
PH (FLD)	6.43
PH	7.3
SODIUM ADSORPTION RATIO	9.55
SC (UMHOS/CM AT 25 C)	9300.0
SC (UMHOS/CM AT 25 C) (FLD)	8150.0
TDS (MEASURED AT 180 C)	9660.0
TOTAL SUSPENDED SOLIDS	20.0
TURBIDITY (NTU)	0.2
WATER TEMPERATURE (FLD)	16.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	394.0
CALCIUM (CA) TRC	384.0
MAGNESIUM (MG) DIS	758.0
MAGNESIUM (MG) TRC	756.0
SODIUM (NA) DIS	1410.0
SODIUM (NA) TRC	1460.0
POTASSIUM (K) DIS	29.0
POTASSIUM (K) TRC	29.0
TOTAL ALKALINITY AS CACO3	790.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	6500.0
CHLORIDE (CL)	<10.0
FLUORIDE (F)	0.6
-- NUTRIENTS --	
NITRATE + NITRITE AS N	11.2
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.1
ALUMINUM (AL) TRC	<0.1
ARSENIC (AS) DIS	<0.003
ARSENIC (AS) TRC	<0.003
BARIUM (BA) DIS	0.018
BARIUM (BA) TRC	0.019
BERYLLIUM (BE) DIS	<0.001
BERYLLIUM (BE) TRC	<0.001
BORON (B) DIS	0.9
BORON (B) TRC	0.96
CADMIUM (CD) DIS	<0.00008
CADMIUM (CD) TRC	<0.00008
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.003
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.05
IRON (FE) TRC	<0.05
LEAD (PB) DIS	<0.0005
LEAD (PB) TRC	<0.0005
MANGANESE (MN) DIS	<0.005
MANGANESE (MN) TRC	<0.005

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	08/06/2013
SAMPLE TIME	08:45
LAB	EL
LAB NUMBER	3080121001
SAMPLE NUMBER	OCC-1308-361

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.01
NICKEL (NI) TRC	<0.01
SELENIUM (SE) DIS	0.049
SELENIUM (SE) TRC	0.051
VANADIUM (V) DIS	<0.1
VANADIUM (V) TRC	<0.1
ZINC (ZN) DIS	<0.01
ZINC (ZN) TRC	<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25	SW-25
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	21:15	11:00
LAB	HYDRO	EL
LAB NUMBER		3080043001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-514	OCC-1308-500
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	NO MEAS	0.34
OXYGEN (O) (FLD)		3.38
PH (FLD)	NO MEAS	8.65
PH		8.7
SODIUM ADSORPTION RATIO		7.88
SC (UMHOS/CM AT 25 C)		4990.0
SC (UMHOS/CM AT 25 C) (FLD)	5000.0	4900.0
TDS (MEASURED AT 180 C)		3960.0
TOTAL SUSPENDED SOLIDS		88.0
TURBIDITY (NTU)		41.2
WATER TEMPERATURE (FLD)	23.5	21.6
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		49.0
CALCIUM (CA) TRC		48.0
MAGNESIUM (MG) DIS		331.0
MAGNESIUM (MG) TRC		325.0
SODIUM (NA) DIS		697.0
SODIUM (NA) TRC		708.0
POTASSIUM (K) DIS		28.0
POTASSIUM (K) TRC		29.0
TOTAL ALKALINITY AS CACO3		640.0
BICARBONATE (HCO3)		650.0
CARBONATE AS CO3		66.0
SULFATE (SO4)		2300.0
CHLORIDE (CL)		12.0
FLUORIDE (F)		0.7
-- NUTRIENTS --		
NITRATE + NITRITE AS N		0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.1
ALUMINUM (AL) TRC		0.7
ARSENIC (AS) DIS		0.003
ARSENIC (AS) TRC		0.004
BARIUM (BA) DIS		0.035
BARIUM (BA) TRC		0.042
BERYLLIUM (BE) DIS		<0.001
BERYLLIUM (BE) TRC		<0.001
BORON (B) DIS		0.54
BORON (B) TRC		0.54
CADMIUM (CD) DIS		<0.00008
CADMIUM (CD) TRC		<0.00008
CHROMIUM (CR) DIS		<0.001
CHROMIUM (CR) TRC		0.001
COPPER (CU) DIS		<0.001
COPPER (CU) TRC		0.002
IRON (FE) DIS		<0.05
IRON (FE) TRC		0.77
LEAD (PB) DIS		0.0008
LEAD (PB) TRC		0.001

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25	SW-25
SAMPLE DATE	07/30/2013	08/01/2013
SAMPLE TIME	21:15	11:00
LAB	HYDRO	EL
LAB NUMBER		3080043001
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1307-514	OCC-1308-500
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) DIS		0.056
MANGANESE (MN) TRC		0.083
MERCURY (HG) DIS		<0.00005
MERCURY (HG) TOT		<0.00005
MOLYBDENUM (MO) DIS		0.007
MOLYBDENUM (MO) TRC		0.007
NICKEL (NI) DIS		<0.01
NICKEL (NI) TRC		<0.01
SELENIUM (SE) DIS		<0.001
SELENIUM (SE) TRC		<0.001
VANADIUM (V) DIS		<0.1
VANADIUM (V) TRC		<0.1
ZINC (ZN) DIS		<0.01
ZINC (ZN) TRC		<0.01

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

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34	A3	A3	Groundwater		
35	A4	A4	Groundwater		
36	A5	STATE A5	Groundwater		
37	A6	GNP A6	Groundwater		
38	A7	A7	Groundwater		
39	AVF1-2	AVF1-2	Groundwater		
40	AVF2-2	AVF2-2	Groundwater		
41	AVF3-2	GNP AVF3-2	Groundwater		
42	AVF3-P2	AVF3-P2 PIEZO	Groundwater		
43	AVF3-P3	AVF3-P3 PIEZO	Groundwater		
44	AVF4-P1	AVF4-P1 PIEZO	Groundwater		
45	AVF4-P2	AVF4-P2 PIEZO	Groundwater		
46	AVF5-1	AVF5-1	Groundwater		
47	AVF6-3	STATE AVF6-3	Groundwater		
48	AVF7-P1	AVF7-P1 PIEZO	Groundwater		
49	AVF7-P2	AVF7-P2 PIEZO	Groundwater		
50	AVF7-P3	AVF7-P3 PIEZO	Groundwater		
51	AVF7-P4	AVF7-P4 PIEZO	Groundwater		
52	AVF8-P3	AVF8-P3 PIEZO	Groundwater		
53	AVF8-P4	AVF8-P4 PIEZO	Groundwater		
54	B1-U	GNP B1-U	Groundwater		
55	B2-K	B2-K	Groundwater		
56	B2-O	B2-O	Groundwater		
57	B2-U	B2-U	Groundwater		
58	B3-K	STATE B3-K	Groundwater		
59	B3-U	STATE B3-U	Groundwater		
60	B4-K	STATE B4-K	Groundwater		
61	B4-O	STATE B4-O	Groundwater		
62	B4-U	STATE B4-U	Groundwater		
63	B5-K	GNP B5-K	Groundwater		
64	B5-O	GNP B5-O	Groundwater		
65	B5-U	GNP B5-U	Groundwater		
66	B6-K	STATE B6-K	Groundwater		
67	B6-O	STATE B6-O	Groundwater		
68	B6-U	STATE B6-U	Groundwater		
69	B7-KL	STATE B7-KL	Groundwater		
70	B7-KU	STATE B7-KU	Groundwater		
71	B7-O	STATE B7-O	Groundwater		
72	B7-U	STATE B7-U	Groundwater		
73	B8-KL	STATE B8-KL	Groundwater		
74	B8-KU	STATE B8-KU	Groundwater		
75	B8-O	STATE B8-O	Groundwater		
76	B8-U	STATE B8-U	Groundwater		
77	B9-K	STATE B9-K	Groundwater		
78	B9-U	STATE B9-U	Groundwater		
79	B10-KL	B10-KL	Groundwater		
80	B10-KU	B10-KU	Groundwater		
81	B10-O	B10-O	Groundwater		
82	B10-U	B10-U - Well Battery 10 Underburden	Groundwater		
83	B11-K	GNP B11-K	Groundwater		
84	B11-O	GNP B11-O	Groundwater		
85	B11-U	GNP B11-U	Groundwater		
86	C-1	STATE C-1 CLINKER	Groundwater		
87	C-2	C-2 CLINKER	Groundwater		
88	C-3	STATE C-3 CLINKER	Groundwater		
89	C-4	GNP C-4 CLINKER	Groundwater		
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106	DI BLANK	DI BLANK	Quality Control		
110	FORTUNE SPRING	FORTUNE SPRING	Springs, Seeps, & Adits		
90	K-1	GNP K-1	Groundwater		
91	K-2	STATE K-2	Groundwater		
92	K-3	STATE K-3	Groundwater		
93	K-4	STATE K-4	Groundwater		
94	K-5	GNP K-5	Groundwater		
95	K-6	STATE K-6	Groundwater		
96	P1	GNP P1 Mine Area Pond Water	POND		
98	P3	GNP P3 Downgradient Pond Water	POND		
100	P4	STATE P4 Pond Water Quality Stage	POND		
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2	SW-1A	SW-1A	Surface Water		
4	SW-2	SW-2 Otter Crk Dwngradient, upstream of 3 Mi	Surface Water		
6	SW-3	STATE SW-3 3 Mile Creek Near Otter Creek	Surface Water		
7	SW-4	GNP SW-4 Trib To 3 Mile	Surface Water		
8	SW-5	GNP SW-5 Trib To 3 Mile	Surface Water		
9	SW-6	GNP SW-6 Trib To 3 Mile	Surface Water		
10	SW-7	GNP SW-7 Trib To 3 Mile	Surface Water		
11	SW-8	STATE SW-8 Downstream of pond P4	Surface Water		
13	SW-9	STATE SW-9 Trib To 3 Mile North Slope	Surface Water		
14	SW-10	STATE SW-10 Trib to 3 Mile North Slope	Surface Water		
15	SW-11	STATE SW-11 Upgradient tributary to 3 Mile Cr	Surface Water		
17	SW-12	STATE SW-12 Upgradient tributary to 3 Mile Cr	Surface Water		
18	SW-13	STATE SW-13 Downstream of Pond P1, mine area,	Surface Water		
19	SW-14	GNP SW-14 Downstream of Prop. mine area, SW13	Surface Water		
20	SW-15	GNP SW-15 Downstream of Prop. mine area, SW13	Surface Water		
21	SW-16	GNP SW-16 Otter Creek Adj to proposed mine si	Surface Water		
23	SW-17	STATE SW-17 Downstream of Prop. mine area, SW	Surface Water		
24	SW-18	STATE SW-18 Downstream of Prop. mine area, SW	Surface Water		
25	SW-19	STATE SW-19 Downstream of Prop. mine area, SW	Surface Water		
26	SW-20	STATE SW-20 Upgradient in Undisturbed Drainag	Surface Water		
27	SW-21	GNP SW-21 Similar Charact. and area to SW19,	Surface Water		
28	SW-22	SW-22 Otter Creek Upstream	Surface Water		
30	SW-23	SW-23 Ten Mile Creek Below County Road Crossi	Surface Water		
31	SW-24	SW-24 Home Creek Overflow	Surface Water		
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70	OCC-1307-101	3070514002	07/23/2013	B7-KU	33		OCC-1307-129	07/25/2013A2
69	OCC-1307-102	3070514003	07/23/2013	B7-KL	1		OCC-1307-516	07/29/2013SW-1
72	OCC-1307-103	3070514004	07/23/2013	B7-U	19		OCC-1307-526	07/29/2013SW-14
77	OCC-1307-104	3070514005	07/23/2013	B9-K	20		OCC-1307-527	07/29/2013SW-15
78	OCC-1307-105	3070514006	07/23/2013	B9-U	23		OCC-1307-528	07/29/2013SW-17
81	OCC-1307-106	3070514007	07/24/2013	B10-O	24		OCC-1307-529	07/29/2013SW-18
80	OCC-1307-107	3070514008	07/24/2013	B10-KU	25		OCC-1307-530	07/29/2013SW-19
82	OCC-1307-108	3070514009	07/24/2013	B10-U	26		OCC-1307-531	07/29/2013SW-20
79	OCC-1307-109	3070514010	07/24/2013	B10-KL	27		OCC-1307-532	07/29/2013SW-21
83	OCC-1307-110	3070514011	07/24/2013	B11-K	30		OCC-1307-533	07/29/2013SW-23
83	OCC-1307-111	3070514012	07/24/2013	B11-K	31		OCC-1307-534	07/29/2013SW-24
84	OCC-1307-112	3070514013	07/24/2013	B11-O	6		OCC-1307-517	07/30/2013SW-3
85	OCC-1307-113	3070514014	07/24/2013	B11-U	7		OCC-1307-518	07/30/2013SW-4
59	OCC-1307-114	3070514015	07/24/2013	B3-U	8		OCC-1307-519	07/30/2013SW-5
58	OCC-1307-115	3070514016	07/24/2013	B3-K	9		OCC-1307-520	07/30/2013SW-6
73	OCC-1307-116	3070514017	07/25/2013	B8-KL	10		OCC-1307-521	07/30/2013SW-7
106	OCC-1307-117	3070514018	07/25/2013	DI BLANK	13		OCC-1307-522	07/30/2013SW-9
76	OCC-1307-118	3070514019	07/25/2013	B8-U	14		OCC-1307-523	07/30/2013SW-10
74	OCC-1307-119	3070514020	07/25/2013	B8-KU	17		OCC-1307-524	07/30/2013SW-12
75	OCC-1307-120	3070514021	07/25/2013	B8-O	18		OCC-1307-525	07/30/2013SW-13
61	OCC-1307-121	3070514022	07/25/2013	B4-O	21		OCC-1307-511	07/30/2013SW-16
62	OCC-1307-122	3070514023	07/25/2013	B4-U	28		OCC-1307-513	07/30/2013SW-22
60	OCC-1307-123	3070514024	07/25/2013	B4-K	112		OCC-1307-514	07/30/2013SW-25
67	OCC-1307-124	3070514025	07/26/2013	B6-O	6		OCC-1308-504	08/01/2013SW-3
107	OCC-1307-125	3070514026	07/26/2013	RINS BLANK	30		OCC-1308-505	08/01/2013SW-23
68	OCC-1307-126	3070514027	07/26/2013	B6-U	56		OCC-1308-370	08/06/2013B2-O
66	OCC-1307-127	3070514028	07/26/2013	B6-K	49		OCC-1308-903	08/28/2013AVF7-P2
86	OCC-1307-128		07/24/2013	C-1	71	3070514001	OCC-1307-100	07/23/2013B7-O
33	OCC-1307-129		07/25/2013	A2	70	3070514002	OCC-1307-101	07/23/2013B7-KU
108	OCC-1307-501	3070565002	07/29/2013	COAL CREEK SPRING ST	69	3070514003	OCC-1307-102	07/23/2013B7-KL
102	OCC-1307-502	3070565003	07/30/2013	P5	72	3070514004	OCC-1307-103	07/23/2013B7-U
15	OCC-1307-503	3070565004	07/30/2013	SW-11	77	3070514005	OCC-1307-104	07/23/2013B9-K
11	OCC-1307-504	3070565005	07/30/2013	SW-8	78	3070514006	OCC-1307-105	07/23/2013B9-U
100	OCC-1307-505	3070565006	07/30/2013	P4	81	3070514007	OCC-1307-106	07/24/2013B10-O
100	OCC-1307-506	3070565007	07/30/2013	P4	80	3070514008	OCC-1307-107	07/24/2013B10-KU
98	OCC-1307-507	3070565008	07/30/2013	P3	82	3070514009	OCC-1307-108	07/24/2013B10-U
96	OCC-1307-508	3070565009	07/30/2013	P1	79	3070514010	OCC-1307-109	07/24/2013B10-KL
4	OCC-1307-510	3070565010	07/30/2013	SW-2	83	3070514011	OCC-1307-110	07/24/2013B11-K
21	OCC-1307-511		07/30/2013	SW-16	83	3070514012	OCC-1307-111	07/24/2013B11-K
104	OCC-1307-512	3070565011	07/30/2013	P6	84	3070514013	OCC-1307-112	07/24/2013B11-O
28	OCC-1307-513		07/30/2013	SW-22	85	3070514014	OCC-1307-113	07/24/2013B11-U
112	OCC-1307-514		07/30/2013	SW-25	59	3070514015	OCC-1307-114	07/24/2013B3-U
2	OCC-1307-515	3070565012	07/30/2013	SW-1A	58	3070514016	OCC-1307-115	07/24/2013B3-K
1	OCC-1307-516		07/29/2013	SW-1	73	3070514017	OCC-1307-116	07/25/2013B8-KL
6	OCC-1307-517		07/30/2013	SW-3	106	3070514018	OCC-1307-117	07/25/2013DI BLANK
7	OCC-1307-518		07/30/2013	SW-4	76	3070514019	OCC-1307-118	07/25/2013B8-U
8	OCC-1307-519		07/30/2013	SW-5	74	3070514020	OCC-1307-119	07/25/2013B8-KU
9	OCC-1307-520		07/30/2013	SW-6	75	3070514021	OCC-1307-120	07/25/2013B8-O
10	OCC-1307-521		07/30/2013	SW-7	61	3070514022	OCC-1307-121	07/25/2013B4-O
13	OCC-1307-522		07/30/2013	SW-9	62	3070514023	OCC-1307-122	07/25/2013B4-U
14	OCC-1307-523		07/30/2013	SW-10	60	3070514024	OCC-1307-123	07/25/2013B4-K
17	OCC-1307-524		07/30/2013	SW-12	67	3070514025	OCC-1307-124	07/26/2013B6-O
18	OCC-1307-525		07/30/2013	SW-13	107	3070514026	OCC-1307-125	07/26/2013RINS BLANK
19	OCC-1307-526		07/29/2013	SW-14	68	3070514027	OCC-1307-126	07/26/2013B6-U
20	OCC-1307-527		07/29/2013	SW-15	66	3070514028	OCC-1307-127	07/26/2013B6-K
23	OCC-1307-528		07/29/2013	SW-17	108	3070565002	OCC-1307-501	07/29/2013COAL CREEK SPRING ST
24	OCC-1307-529		07/29/2013	SW-18	102	3070565003	OCC-1307-502	07/30/2013P5
25	OCC-1307-530		07/29/2013	SW-19	15	3070565004	OCC-1307-503	07/30/2013SW-11
26	OCC-1307-531		07/29/2013	SW-20	11	3070565005	OCC-1307-504	07/30/2013SW-8
27	OCC-1307-532		07/29/2013	SW-21	100	3070565006	OCC-1307-505	07/30/2013P4
30	OCC-1307-533		07/29/2013	SW-23	100	3070565007	OCC-1307-506	07/30/2013P4
31	OCC-1307-534		07/29/2013	SW-24	98	3070565008	OCC-1307-507	07/30/2013P3
36	OCC-1307-600	3080047001	07/30/2013	A5	96	3070565009	OCC-1307-508	07/30/2013P1
39	OCC-1307-601	3080047002	07/31/2013	AVF1-2	4	3070565010	OCC-1307-510	07/30/2013SW-2
46	OCC-1307-602	3080047003	07/31/2013	AVF5-1	104	3070565011	OCC-1307-512	07/30/2013P6
40	OCC-1307-603	3080047004	07/31/2013	AVF2-2	2	3070565012	OCC-1307-515	07/30/2013SW-1A
32	OCC-1307-604	3080047005	07/31/2013	A1	112	3080043001	OCC-1308-500	08/01/2013SW-25
47	OCC-1307-605	3080047006	07/31/2013	AVF6-3	4	3080043002	OCC-1308-501	08/01/2013SW-2
47	OCC-1307-606	3080047007	07/31/2013	AVF6-3	21	3080043003	OCC-1308-502	08/01/2013SW-16

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38	OCC-1307-609	3080047010	07/31/2013	A7
34	OCC-1307-610	3080047011	07/31/2013	A3
35	OCC-1307-611	3080047012	07/31/2013	A4
110	OCC-1308-361	3080121001	08/06/2013	FORTUNE SPRING
63	OCC-1308-362	3080121002	08/06/2013	B5-K
106	OCC-1308-363	3080121003	08/06/2013	DI BLANK
65	OCC-1308-364	3080121004	08/06/2013	B5-U
64	OCC-1308-365	3080121005	08/06/2013	B5-O
54	OCC-1308-366	3080121006	08/06/2013	B1-U
55	OCC-1308-367	3080121007	08/06/2013	B2-K
57	OCC-1308-368	3080121008	08/06/2013	B2-U
107	OCC-1308-369	3080121009	08/06/2013	RINS BLANK
56	OCC-1308-370		08/06/2013	B2-O
112	OCC-1308-500	3080043001	08/01/2013	SW-25
4	OCC-1308-501	3080043002	08/01/2013	SW-2
21	OCC-1308-502	3080043003	08/01/2013	SW-16
28	OCC-1308-503	3080043004	08/01/2013	SW-22
6	OCC-1308-504		08/01/2013	SW-3
30	OCC-1308-505		08/01/2013	SW-23
88	OCC-1308-550	3080158001	08/06/2013	C-3
87	OCC-1308-551	3080158002	08/06/2013	C-2
90	OCC-1308-552	3080158003	08/06/2013	K-1
94	OCC-1308-553	3080158004	08/06/2013	K-5
89	OCC-1308-554	3080158005	08/06/2013	C-4
89	OCC-1308-555	3080158006	08/06/2013	C-4
95	OCC-1308-556	3080158007	08/06/2013	K-6
91	OCC-1308-557	3080158008	08/06/2013	K-2
93	OCC-1308-558	3080158009	08/06/2013	K-4
92	OCC-1308-559	3080158010	08/06/2013	K-3
51	OCC-1308-900	3080563001	08/28/2013	AVF7-P4
50	OCC-1308-901	3080563002	08/28/2013	AVF7-P3
48	OCC-1308-902	3080563003	08/28/2013	AVF7-P1
49	OCC-1308-903		08/28/2013	AVF7-P2
43	OCC-1308-904	3080563004	08/28/2013	AVF3-P3
42	OCC-1308-905	3080563005	08/28/2013	AVF3-P2
53	OCC-1308-906	3080563006	08/28/2013	AVF8-P4
52	OCC-1308-907	3080563007	08/28/2013	AVF8-P3
52	OCC-1308-908	3080563008	08/28/2013	AVF8-P3
44	OCC-1308-909	3080563009	08/28/2013	AVF4-P1
45	OCC-1308-910	3080563010	08/28/2013	AVF4-P2

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36	3080047001	OCC-1307-600	07/30/2013	A5
39	3080047002	OCC-1307-601	07/31/2013	AVF1-2
46	3080047003	OCC-1307-602	07/31/2013	AVF5-1
40	3080047004	OCC-1307-603	07/31/2013	AVF2-2
32	3080047005	OCC-1307-604	07/31/2013	A1
47	3080047006	OCC-1307-605	07/31/2013	AVF6-3
47	3080047007	OCC-1307-606	07/31/2013	AVF6-3
41	3080047008	OCC-1307-607	07/31/2013	AVF3-2
37	3080047009	OCC-1307-608	07/31/2013	A6
38	3080047010	OCC-1307-609	07/31/2013	A7
34	3080047011	OCC-1307-610	07/31/2013	A3
35	3080047012	OCC-1307-611	07/31/2013	A4
110	3080121001	OCC-1308-361	08/06/2013	FORTUNE SPRING
63	3080121002	OCC-1308-362	08/06/2013	B5-K
106	3080121003	OCC-1308-363	08/06/2013	DI BLANK
65	3080121004	OCC-1308-364	08/06/2013	B5-U
64	3080121005	OCC-1308-365	08/06/2013	B5-O
54	3080121006	OCC-1308-366	08/06/2013	B1-U
55	3080121007	OCC-1308-367	08/06/2013	B2-K
57	3080121008	OCC-1308-368	08/06/2013	B2-U
107	3080121009	OCC-1308-369	08/06/2013	RINS BLANK
88	3080158001	OCC-1308-550	08/06/2013	C-3
87	3080158002	OCC-1308-551	08/06/2013	C-2
90	3080158003	OCC-1308-552	08/06/2013	K-1
94	3080158004	OCC-1308-553	08/06/2013	K-5
89	3080158005	OCC-1308-554	08/06/2013	C-4
89	3080158006	OCC-1308-555	08/06/2013	C-4
95	3080158007	OCC-1308-556	08/06/2013	K-6
91	3080158008	OCC-1308-557	08/06/2013	K-2
93	3080158009	OCC-1308-558	08/06/2013	K-4
92	3080158010	OCC-1308-559	08/06/2013	K-3
51	3080563001	OCC-1308-900	08/28/2013	AVF7-P4
50	3080563002	OCC-1308-901	08/28/2013	AVF7-P3
48	3080563003	OCC-1308-902	08/28/2013	AVF7-P1
43	3080563004	OCC-1308-904	08/28/2013	AVF3-P3
42	3080563005	OCC-1308-905	08/28/2013	AVF3-P2
53	3080563006	OCC-1308-906	08/28/2013	AVF8-P4
52	3080563007	OCC-1308-907	08/28/2013	AVF8-P3
52	3080563008	OCC-1308-908	08/28/2013	AVF8-P3
44	3080563009	OCC-1308-909	08/28/2013	AVF4-P1
45	3080563010	OCC-1308-910	08/28/2013	AVF4-P2

PARAMETERS PRINTED ON REPORT

Parameter Code	Description
1.135	DEPTH TO WATER LEVEL (FEET)
1.216	FLOW CFS
1.324	OXYGEN (O) (FLD)
1.377	PH (FLD)
1.378	PH
1.486	SODIUM ADSORPTION RATIO
1.540	SC (UMHOS/CM AT 25 C)
1.541	SC (UMHOS/CM AT 25 C) (FLD)
1.675	TDS (MEASURED AT 180 C)
1.810	TOTAL SUSPENDED SOLIDS
1.891	TURBIDITY (NTU)
1.972	WATER TEMPERATURE (FLD)
2.140	CALCIUM (CA) DIS
2.142	CALCIUM (CA) TRC
2.160	MAGNESIUM (MG) DIS
2.163	MAGNESIUM (MG) TRC
2.180	SODIUM (NA) DIS
2.182	SODIUM (NA) TRC
2.200	POTASSIUM (K) DIS
2.202	POTASSIUM (K) TRC
2.240	TOTAL ALKALINITY AS CACO3
2.280	TOTAL ACIDITY AS CACO3
2.340	BICARBONATE (HCO3)
2.380	CARBONATE AS CO3
2.400	SULFATE (SO4)
2.420	CHLORIDE (CL)
2.440	FLUORIDE (F)
2.500	HYDROXIDE (OH)
3.355	NITRATE + NITRITE AS N
5.006	ALUMINUM (AL) DIS
5.006	ALUMINUM (AL) TRC
5.054	ARSENIC (AS) DIS
5.054	ARSENIC (AS) TRC
5.084	BARIUM (BA) DIS
5.084	BARIUM (BA) TRC
5.108	BERYLLIUM (BE) DIS
5.108	BERYLLIUM (BE) TRC
5.138	BORON (B) DIS
5.138	BORON (B) TRC
5.180	CADMIUM (CD) DIS
5.180	CADMIUM (CD) TRC
5.228	CHROMIUM (CR) DIS
5.228	CHROMIUM (CR) TRC
5.276	COPPER (CU) DIS
5.276	COPPER (CU) TRC
5.378	IRON (FE) DIS
5.378	IRON (FE) TRC
5.414	LEAD (PB) DIS
5.414	LEAD (PB) TRC
5.468	MANGANESE (MN) DIS
5.468	MANGANESE (MN) TRC
5.492	MERCURY (HG) DIS
5.492	MERCURY (HG) TOT
5.516	MOLYBDENUM (MO) DIS
5.516	MOLYBDENUM (MO) TRC
5.540	NICKEL (NI) DIS
5.540	NICKEL (NI) TRC
5.612	SELENIUM (SE) DIS
5.612	SELENIUM (SE) TRC
5.852	VANADIUM (V) DIS
5.852	VANADIUM (V) TRC
5.882	ZINC (ZN) DIS
5.882	ZINC (ZN) TRC

NOTES: Only the above parameters were selected for this report, there may be more parameters in the DataMan Database.
All parameters are Laboratory (LAB) unless noted as Field (FLD) or Calculated (CALC).
TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Otter Creek Coal, LLC
October 2013 to January 8, 2014 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

March 2014

Otter Creek Coal, LLC
October 2013 to January 8 2014 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 11/21/2013 through 01/08/2014
- Total number of samples taken at existing wells: 69 site samples, 6 field duplicates, 69 field observations (which includes piezometer well observations), 6 DI and rinsate blanks, for a total of 150 samples.
- Frequency for field duplicates was 1 per 12 and 1 per 12 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 6 samples collected.

Violations involving field quality control:

- Sample OCC-1401-801 and its duplicate OCC-1401-802 had an RPD of 20.34% for the analyte Iron (Dissolved). A validation qualifier UJ4D or J4D was placed on associated samples for this analyte for an RPD exceedance.
- Sample OCC-1312-114 and its duplicate OCC-1312-115 had an RPD of 150% for the analyte Carbonate as CO3. A validation qualifier UJ4D or J4D was placed on the associated samples for this analyte for an RPD exceedance.
- Boron (Dissolved) was detected in DI Blanks OCC-1401-202 and OCC-1401-807 and Rinsate Blanks OCC-1401-203 and OCC-1401-808. Boron (TRC) was detected in DI Blank OCC-1401-202 and Rinsate Blank OCC-1401-203. A validation qualifier UJ1 was placed on associated raw samples for blank exceedance.

Violations involving laboratory quality control:

- For batches H13110493, H13110522, H13120229, H14010145, and H14010147, the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Sample OCC-1312-108 was flagged with laboratory qualifier "H" for exceeding the holding time for the analyte Total Acidity as CACO3. A validation qualifier "J3" was placed on this sample for this analyte for hold time exceedance.
- Samples OCC-1312-101 and OCC-1312-100 were flagged with laboratory qualifier "H" for exceeding the holding for the analyte Total Dissolved Solids. A validation qualifier "J3" was placed on these samples for this analyte for hold time exceedance.

- DI Blank OCC-1311-105 was flagged with laboratory qualifier "H" for exceeding the holding time for the analytes Chloride and Sulfate. A validation qualifier "J3" was placed on this sample for these analytes for hold time exceedance.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 96%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the analytical parameters listed in Table 3-1 Analytic Parameters Otter Creek Coal, LLC-Groundwater and Table 2-2 Analytic Parameters Otter Creek Coal, LLC-Surface Water, Mercury, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Duplicates
  - Table 3. Summary Of Flagged Data
  - Table 4. Summary of Blanks
  - Table 5. Summary of Statistics
  - Analysis Summary Report

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

TABLE 1.

DATA VALIDATION CODES AND DEFINITIONS

CODE		DEFINITION
J	-	The associated numerical value is an estimated quantity because quality control criteria were not met. Subscripts for the "J" qualifier: 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Holding time not met. 4 - Other QC outside control limits.
UJ	-	The material was analyzed for, but was not detected above the associated value. Subscripts for the "UJ" qualifier: 1 - Blank contamination. Indicates possible high bias and/or false positive. 2 - Calibration range exceeded or significant deviation from known value. Possible bias. 3 - Other QC outside control limits.
R	-	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.
A	-	Anomalous data. No apparent explanation for discrepancy in data. (Not an EPA code.)
H	-	Holding time not met. Indicates low bias.
L	-	The reporting limit was the lowest available reporting limit for the analytical method used.

SITE CODE	AVF8-P3	AVF8-P3			
SAMPLE DATE	11/21/20	11/21/20			
LAB	EL	EL			
LAB NUMBER	3110493016	3110493017	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1311-155	OCC-1311-156	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.4	7.4	0.00%	x	
SODIUM ADSORPTION RATIO	7.84	7.3	7.13%	0.02	
SC (UMHOS/CM AT 25 C)	5540.0	5550.0	0.18%	x	
TDS (MEASURED AT 180 C)	4580.0	4630.0	1.09%	x	
CALCIUM (CA) DIS	191.0	188.0	1.58%	x	
MAGNESIUM (MG) DIS	340.0	331.0	2.68%	x	
SODIUM (NA) DIS	780	719	8.14%	x	
POTASSIUM (K) DIS	24.0	24.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	720.0	720.0	0.00%	x	
BICARBONATE (HCO3)	870.0	880.0	1.14%	x	
CARBONATE AS CO3	<1.0	<1.0	UDL	x	
SULFATE (SO4)	2900.0	2800.0	3.51%	x	
CHLORIDE (CL)	26.0	25.0	3.92%	x	
FLUORIDE (F)	0.7	0.7	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	0.01	0.00%	x	
ALUMINUM (AL) DIS	<0.009	<0.009	UDL	x	
ARSENIC (AS) DIS	<0.001	0.001	0.00%	x	
BARIUM (BA) DIS	0.026	0.027	3.77%	x	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	UDL	<0.001	
BORON (B) DIS	0.51	0.51	0.00%	x	
CADMIUM (CD) DIS	<0.00003	<0.00003	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	0.31	0.32	3.17%	x	
LEAD (PB) DIS	<0.0003	<0.0003	UDL	x	
MANGANESE (MN) DIS	3.24	3.4	4.82%	x	
MERCURY (HG) DIS	<0.00002	<0.00002	UDL	<0.0001	
MOLYBDENUM (MO) DIS	0.01	0.01	0.00%	x	
NICKEL (NI) DIS	0.008	0.008	0.00%	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.01	<0.01	UDL	x	
ZINC (ZN) DIS	<0.008	0.008	0.00%	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	B6-K	B6-K			
SAMPLE DATE	01/07/20	01/07/20			
LAB	EL	EL			
LAB NUMBER	4010145003	4010145004	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1401-102	OCC-1401-103	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	8.3	8.3	0.00%	x	
SODIUM ADSORPTION RATIO	48.7	48.7	0.00%	0.02	
SC (UMHOS/CM AT 25 C)	1520.0	1520.0	0.00%	x	
TDS (MEASURED AT 180 C)	948.0	944.0	0.42%	x	
CALCIUM (CA) DIS	3.0	3.0	0.00%	x	
MAGNESIUM (MG) DIS	1.0	1.0	0.00%	x	
SODIUM (NA) DIS	395	391	1.02%	x	
POTASSIUM (K) DIS	2.0	2.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	870.0	870.0	0.00%	x	
BICARBONATE (HCO3)	1000.0	990.0	1.01%	x	
CARBONATE AS CO3	33.0	35.0	5.88%	x	
SULFATE (SO4)	30.0	29.0	3.39%	x	
CHLORIDE (CL)	9.0	8.0	11.76%	x	
FLUORIDE (F)	1.0	1.0	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.009	<0.009	UDL	x	
ARSENIC (AS) DIS	<0.001	<0.001	UDL	x	
BARIUM (BA) DIS	0.103	0.102	0.98%	x	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	UDL	<0.001	
BORON (B) DIS	0.13	0.13	0.00%	x	
CADMIUM (CD) DIS	<0.00003	<0.00003	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	0.03	0.03	0.00%	x	
LEAD (PB) DIS	<0.0003	<0.0003	UDL	x	
MANGANESE (MN) DIS	<0.005	<0.005	UDL	x	
MERCURY (HG) DIS	<0.00001	<0.00001	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.002	<0.002	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.01	<0.01	UDL	x	
ZINC (ZN) DIS	<0.008	<0.008	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	C-2	C-2			
SAMPLE DATE	12/13/20	12/13/20			
LAB	EL	EL			
LAB NUMBER	3120229015	3120229016	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1312-114	OCC-1312-115	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.5	7.5	0.00%	x	
SODIUM ADSORPTION RATIO	8.09	8.48	4.71%	0.02	
SC (UMHOS/CM AT 25 C)	3100.0	3090.0	0.32%	x	
TDS (MEASURED AT 180 C)	2130.0	2140.0	0.47%	x	
CALCIUM (CA) DIS	73.0	72.0	1.38%	x	
MAGNESIUM (MG) DIS	107.0	108.0	0.93%	x	
SODIUM (NA) DIS	495	460	7.33%	x	
POTASSIUM (K) DIS	23.0	22.0	4.44%	x	
TOTAL ALKALINITY AS CACO3	670.0	670.0	0.00%	x	
BICARBONATE (HCO3)	800.0	820.0	2.47%	x	
CARBONATE AS CO3	7.0	<1.0	150.00% *	x	SEE RPD
SULFATE (SO4)	1100.0	1100.0	0.00%	x	
CHLORIDE (CL)	30.0	30.0	0.00%	x	
FLUORIDE (F)	1.1	1.1	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	3.27	3.0	8.61%	x	
ALUMINUM (AL) DIS	<0.009	<0.009	UDL	x	
ARSENIC (AS) DIS	0.003	0.004	28.57% *	x	SEE RPD
BARIUM (BA) DIS	0.044	0.046	4.44%	x	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	UDL	<0.001	
BORON (B) DIS	0.43	0.45	4.55%	x	
CADMIUM (CD) DIS	<0.00003	<0.00003	UDL	x	
CHROMIUM (CR) DIS	0.002	0.002	0.00%	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	0.11	0.1	9.52%	x	
LEAD (PB) DIS	<0.0003	<0.0003	UDL	x	
MANGANESE (MN) DIS	0.043	0.04	7.23%	x	
MERCURY (HG) DIS	<0.000005	<0.000005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.002	<0.002	UDL	x	
SELENIUM (SE) DIS	0.013	0.014	7.41%	x	
VANADIUM (V) DIS	0.05	0.05	0.00%	x	
ZINC (ZN) DIS	<0.008	<0.008	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	C-4	C-4			
SAMPLE DATE	11/27/20	11/27/20			
LAB	EL	EL			
LAB NUMBER	3110522014	3110522015	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1311-313	OCC-1311-314	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.6	7.6	0.00%	x	
SODIUM ADSORPTION RATIO	7.45	7.34	1.49%	0.02	
SC (UMHOS/CM AT 25 C)	4090.0	4100.0	0.24%	x	
TDS (MEASURED AT 180 C)	3270.0	3290.0	0.61%	x	
CALCIUM (CA) DIS	146.0	144.0	1.38%	x	
MAGNESIUM (MG) DIS	224.0	221.0	1.35%	x	
SODIUM (NA) DIS	614	601	2.14%	x	
POTASSIUM (K) DIS	21.0	21.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	710.0	700.0	1.42%	x	
BICARBONATE (HCO3)	860.0	860.0	0.00%	x	
CARBONATE AS CO3	<1.0	<1.0	UDL	x	
SULFATE (SO4)	2000.0	1900.0	5.13%	x	
CHLORIDE (CL)	19.0	19.0	0.00%	x	
FLUORIDE (F)	0.7	0.7	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	0.015	<0.009	50.00% *	x	SEE RPD
ARSENIC (AS) DIS	0.001	0.002	66.67% *	x	SEE RPD
BARIUM (BA) DIS	0.022	0.023	4.44%	x	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	UDL	<0.001	
BORON (B) DIS	0.35	0.36	2.82%	x	
CADMIUM (CD) DIS	<0.00003	<0.00003	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	1.45	1.44	0.69%	x	
LEAD (PB) DIS	<0.0003	<0.0003	UDL	x	
MANGANESE (MN) DIS	0.344	0.353	2.58%	x	
MERCURY (HG) DIS	<0.000005	<0.000005	UDL	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.002	<0.002	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.01	<0.01	UDL	x	
ZINC (ZN) DIS	<0.008	<0.008	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

SITE CODE	K-6	K-6			
SAMPLE DATE	01/07/20	01/07/20			
LAB	EL	EL			
LAB NUMBER	4010147002	4010147003	RELATIVE		
REMARKS		DUPLICATE	PERCENT	DETECTION	
SAMPLE NUMBER	OCC-1401-801	OCC-1401-802	DIFFERENCE	LIMITS	VALIDATION NOTES
PH	7.6	7.6	0.00%	x	
SODIUM ADSORPTION RATIO	12.5	12.4	0.80%	0.02	
SC (UMHOS/CM AT 25 C)	3020.0	3030.0	0.33%	x	
TDS (MEASURED AT 180 C)	2070.0	2090.0	0.96%	x	
CALCIUM (CA) DIS	63.0	63.0	0.00%	x	
MAGNESIUM (MG) DIS	66.0	66.0	0.00%	x	
SODIUM (NA) DIS	594	592	0.34%	x	
POTASSIUM (K) DIS	6.0	6.0	0.00%	x	
TOTAL ALKALINITY AS CACO3	930.0	930.0	0.00%	x	
BICARBONATE (HCO3)	1100.0	1100.0	0.00%	x	
CARBONATE AS CO3	<1.0	<1.0	UDL	x	
SULFATE (SO4)	820.0	820.0	0.00%	x	
CHLORIDE (CL)	19.0	18.0	5.41%	x	
FLUORIDE (F)	0.8	0.8	0.00%	x	
HYDROXIDE (OH)	<1.0	<1.0	UDL	x	
NITRATE + NITRITE AS N	<0.01	<0.01	UDL	x	
ALUMINUM (AL) DIS	<0.009	<0.009	UDL	x	
ARSENIC (AS) DIS	<0.001	<0.001	UDL	x	
BARIUM (BA) DIS	0.016	0.016	0.00%	x	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	UDL	<0.001	
BORON (B) DIS	0.21	0.21	0.00%	x	
CADMIUM (CD) DIS	<0.00003	<0.00003	UDL	x	
CHROMIUM (CR) DIS	<0.001	<0.001	UDL	x	
COPPER (CU) DIS	<0.001	<0.001	UDL	x	
IRON (FE) DIS	0.53	0.65	20.34% *	x	SEE RPD
LEAD (PB) DIS	<0.0003	<0.0003	UDL	x	
MANGANESE (MN) DIS	0.083	0.084	1.20%	x	
MERCURY (HG) DIS	0.00001	0.00001	0.00%	<0.0001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	UDL	x	
NICKEL (NI) DIS	<0.003	<0.003	UDL	x	
SELENIUM (SE) DIS	<0.001	<0.001	UDL	x	
VANADIUM (V) DIS	<0.01	<0.01	UDL	x	
ZINC (ZN) DIS	<0.008	<0.008	UDL	x	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted. TOT:Total. UDL: Under Detection Limit.
DIS:Dissolved; TRC:Total Recoverable; <:Less than detect. *: Relative Percent Difference Exceedance.

TABLE 3. SUMMARY OF FLAGGED DATA									
OTTER CREEK COAL									
DATE RANGE 10/01/2013 - 1/08/2014									
SITE CODE	SAMPLE NUMBER	LAB NUMBER	SAMPLE DATE	PARAMETERS	RESULT	FLAGS	RPD	BIAS	QC SAMPLE TYPE
B3-U	OCC-1312-100	3120229001	12/10/2013	CARBONATE AS CO3	38	J4D	150		DUPLICATE
K-2	OCC-1401-800	4010147001	1/7/2014	IRON (FE) DIS	<0.02	UJ4D	20.34		DUPLICATE
K-6	OCC-1401-801	4010147002	1/7/2014	IRON (FE) DIS	0.53	J4D	20.34		DUPLICATE
B3-K	OCC-1312-101	3120229002	12/10/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B1-U	OCC-1312-102	3120229003	12/10/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B4-U	OCC-1312-103	3120229005	12/11/2013	CARBONATE AS CO3	29	J4D	150		DUPLICATE
B4-K	OCC-1312-104	3120229004	12/11/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B4-O	OCC-1312-105	3120229006	12/11/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B10-O	OCC-1312-108	3120229009	12/11/2013	TOTAL ACIDITY AS CACO3	160	J3			HOLD TIME
B10-KL	OCC-1312-106	3120229007	12/11/2013	CARBONATE AS CO3	37	J4D	150		DUPLICATE
B10-KU	OCC-1312-107	3120229008	12/11/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B2-K	OCC-1401-105	4010145006	1/8/2014	BORON (B) DIS	0.17	UJ1			BLANK
B2-U	OCC-1401-106	4010145007	1/8/2014	BORON (B) DIS	0.15	UJ1			BLANK
B10-O	OCC-1312-108	3120229009	12/11/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
B3-K	OCC-1312-101	3120229002	12/10/2013	TDS (MEASURED AT 180C)	4540	J3			HOLD TIME
B10-U	OCC-1312-109	3120229010	12/11/2013	CARBONATE AS CO3	36	J4D	150		DUPLICATE
B3-U	OCC-1312-100	3120229001	12/10/2013	TDS (MEASURED AT 180C)	704	J3			HOLD TIME
B5-U	OCC-1312-110	3120229011	12/12/2013	CARBONATE AS CO3	38	J4D	150		DUPLICATE
B5-K	OCC-1312-111	3120229012	12/12/2013	CARBONATE AS CO3	36	J4D	150		DUPLICATE
C-3	OCC-1312-112	3120229013	12/12/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
AVF6-3	OCC-1312-113	3120229014	12/12/2013	CARBONATE AS CO3	5	J4D	150		DUPLICATE
C-2	OCC-1312-114	3120229015	12/13/2013	CARBONATE AS CO3	7	J4D	150		DUPLICATE
A3	OCC-1312-116	3120229017	12/13/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
AVF2-2	OCC-1312-118	3120229019	12/13/2013	CARBONATE AS CO3	<1	UJ4D	150		DUPLICATE
K-4	OCC-1401-803	4010147004	1/7/2014	IRON (FE) DIS	0.21	J4D	20.34		DUPLICATE
K-3	OCC-1401-804	4010147005	1/7/2014	IRON (FE) DIS	0.8	J4D	20.34		DUPLICATE
AVF1-2	OCC-1401-805	4010147006	1/7/2014	IRON (FE) DIS	1.6	J4D	20.34		DUPLICATE
A4	OCC-1401-806	4010147007	1/7/2014	IRON (FE) DIS	<0.02	UJ4D	20.34		DUPLICATE
P1	OCC-1401-201	4010145009	1/8/2014	BORON (B) DIS	0.03	UJ1			BLANK
P5	OCC-1401-200	4010145008	1/8/2014	BORON (B) DIS	0.06	UJ1			BLANK
P1	OCC-1401-201	4010145009	1/8/2014	BORON (B) TRC	0.04	UJ1			BLANK
P5	OCC-1401-200	4010145008	1/8/2014	BORON (B) TRC	0.06	UJ1			BLANK
DI BLANK	OCC-1311-105	3110493004	11/21/2013	CHLORIDE	<1	J3			HOLD TIME
DI BLANK	OCC-1311-105	3110493004	11/21/2013	SULFATE	<2	J3			HOLD TIME

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/21/2013	12/13/2013	01/08/2014	01/08/2014
SAMPLE TIME	14:00	15:15	10:15	18:30
LAB	EL	EL	EL	EL
LAB NUMBER	3110493004	3120229018	4010145010	4010147008
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1311-105	OCC-1312-117	OCC-1401-202	OCC-1401-807
-- PHYSICAL PARAMETERS --				
PH	5.6	5.9	5.8	5.8
SODIUM ADSORPTION RATIO	0.27	0.32	0.15	0.35
SC (UMHOS/CM AT 25 C)	2.0	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0	
TURBIDITY (NTU)			<0.1	
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0	
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0	
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0	
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	1.0	<1.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<2.0	<1.0	<1.0	<1.0
	J3			
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0
	J3			
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0		<1.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.009	<0.009	<0.009	<0.009
ALUMINUM (AL) TRC			<0.009	
ARSENIC (AS) DIS	<0.001	<0.001	<0.001	<0.001
ARSENIC (AS) TRC			<0.001	
BARIUM (BA) DIS	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) TRC			<0.003	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	<0.0008	<0.0008
BERYLLIUM (BE) TRC			<0.0008	
BORON (B) DIS	<0.01	<0.01	0.06	0.06
BORON (B) TRC			0.06	
CADMIUM (CD) DIS	<0.00003	<0.00003	<0.00003	<0.00003
CADMIUM (CD) TRC			<0.00003	
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001	
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001	
IRON (FE) DIS	<0.02	<0.02	<0.02	<0.02
IRON (FE) TRC			<0.02	
LEAD (PB) DIS	<0.0003	<0.0003	<0.0003	<0.0003
LEAD (PB) TRC			<0.0003	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/21/2013	12/13/2013	01/08/2014	01/08/2014
SAMPLE TIME	14:00	15:15	10:15	18:30
LAB	EL	EL	EL	EL
LAB NUMBER	3110493004	3120229018	4010145010	4010147008
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1311-105	OCC-1312-117	OCC-1401-202	OCC-1401-807
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005	
MERCURY (HG) DIS	<0.00002	<0.000005	<0.00001	<0.00005
MERCURY (HG) TOT			<0.00001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005	
NICKEL (NI) DIS	<0.002	<0.002	<0.002	<0.003
NICKEL (NI) TRC			<0.002	
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001	
VANADIUM (V) DIS	<0.01	<0.01	<0.01	<0.01
VANADIUM (V) TRC			<0.01	
ZINC (ZN) DIS	<0.008	<0.008	<0.008	<0.008
ZINC (ZN) TRC			<0.008	

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NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	01/08/2014	01/08/2014
SAMPLE TIME	18:25	18:45
LAB	EL	EL
LAB NUMBER	4010145011	4010147009
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1401-203	OCC-1401-808
-- PHYSICAL PARAMETERS --		
PH	5.5	5.6
SODIUM ADSORPTION RATIO	0.08	0.51
SC (UMHOS/CM AT 25 C)	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
TOTAL SUSPENDED SOLIDS	<4.0	
TURBIDITY (NTU)	<0.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
CALCIUM (CA) TRC	<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0	
SODIUM (NA) DIS	<1.0	<1.0
SODIUM (NA) TRC	<1.0	
POTASSIUM (K) DIS	<1.0	<1.0
POTASSIUM (K) TRC	<1.0	
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)		<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ALUMINUM (AL) TRC	<0.009	
ARSENIC (AS) DIS	<0.001	<0.001
ARSENIC (AS) TRC	<0.001	
BARIUM (BA) DIS	<0.003	<0.003
BARIUM (BA) TRC	<0.003	
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BERYLLIUM (BE) TRC	<0.0008	
BORON (B) DIS	0.06	0.06
BORON (B) TRC	0.06	
CADMIUM (CD) DIS	<0.00003	<0.00003
CADMIUM (CD) TRC	<0.00003	
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	<0.001	
IRON (FE) DIS	<0.02	<0.02
IRON (FE) TRC	<0.02	
LEAD (PB) DIS	<0.0003	<0.0003
LEAD (PB) TRC	<0.0003	
MANGANESE (MN) DIS	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	01/08/2014	01/08/2014
SAMPLE TIME	18:25	18:45
LAB	EL	EL
LAB NUMBER	4010145011	4010147009
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1401-203	OCC-1401-808
-- METALS & MINOR CONSTITUENTS --		
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	
NICKEL (NI) DIS	<0.002	<0.003
NICKEL (NI) TRC	<0.002	
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	
VANADIUM (V) DIS	<0.01	<0.01
VANADIUM (V) TRC	<0.01	
ZINC (ZN) DIS	<0.008	<0.008
ZINC (ZN) TRC	<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
A1	11/21/2013	880.0	BICARBONATE (HCO3)	08/23/2011-11/21/2013	10	710.0	802.0000	880.0	1.31	HIGHEST
		77.0	CHLORIDE (CL)	08/23/2011-11/21/2013	10	41.0	64.4000	77.0	0.95	HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/21/2013	10	<0.001		<0.001		HIGHEST
A3	12/13/2013	5.61	SODIUM ADSORPTION RATIO	08/24/2011-12/13/2013	10	5.19	5.3850	5.61	1.40	HIGHEST
		1500.0	SULFATE (SO4)	08/24/2011-12/13/2013	10	1300.0	1420.0000	1500.0	1.26	HIGHEST
		9.0	CHLORIDE (CL)	08/24/2011-12/13/2013	10	5.0	6.9000	9.0	1.63	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-12/13/2013	10	<0.01		<0.01		HIGHEST
		0.005	ARSENIC (AS) DIS	08/24/2011-12/13/2013	10	0.004	0.0045	0.005	0.95	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-12/13/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-12/13/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/13/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-12/13/2013	10	<0.001		<0.001		HIGHEST
A4	01/07/2014	1400.0	SULFATE (SO4)	06/22/2011-01/07/2014	10	1200.0	1330.0000	1400.0	1.04	HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-01/07/2014	10	5.0	7.0000	9.0	1.50	HIGHEST
		0.001	CHROMIUM (CR) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		0.007	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	0.007	0.0070	0.007		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
A5	01/07/2014	680.0	TOTAL ALKALINITY AS CACO3	08/25/2011-01/07/2014	10	570.0	646.9000	680.0	0.92	HIGHEST
		830.0	BICARBONATE (HCO3)	08/25/2011-01/07/2014	10	700.0	783.8000	830.0	1.07	HIGHEST
		0.5	FLUORIDE (F)	08/25/2011-01/07/2014	10	0.4	0.4800	0.5	0.47	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
A6	11/22/2013	0.7	FLUORIDE (F)	06/22/2011-11/22/2013	10	0.3	0.6200	0.7	0.65	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/22/2013	10	0.01	0.3450	2.39	0.45	LOWEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/22/2013	10	<0.001		<0.001		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/22/2011-11/22/2013	10	0.008	0.0092	0.01	1.26	HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/22/2013	10	<0.001		<0.001		HIGHEST
A7	11/22/2013	4200.0	SC (UMHOS/CM AT 25 C)	08/24/2011-11/22/2013	10	3200.0	3750.0000	4200.0	1.47	HIGHEST
		3110.0	TDS (MEASURED AT 180 C)	08/24/2011-11/22/2013	10	2640.0	2890.0000	3110.0	1.52	HIGHEST
		212.0	MAGNESIUM (MG) DIS	08/24/2011-11/22/2013	10	193.0	202.6000	212.0	1.47	HIGHEST
		1800.0	SULFATE (SO4)	08/24/2011-11/22/2013	10	1600.0	1710.0000	1800.0	1.03	HIGHEST
		17.0	CHLORIDE (CL)	08/24/2011-11/22/2013	10	11.0	14.8000	17.0	1.02	HIGHEST
		0.9	FLUORIDE (F)	08/24/2011-11/22/2013	10	0.8	0.8800	0.9	0.47	HIGHEST
		0.003	ARSENIC (AS) DIS	08/24/2011-11/22/2013	10	0.003		0.003		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/22/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/22/2013	10	<0.001		<0.001		HIGHEST
		0.005	MOLYBDENUM (MO) DIS	08/24/2011-11/22/2013	10	0.005	0.0050	0.005	0.00	HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/22/2013	10	<0.001		<0.001		HIGHEST
AVF1-2	01/07/2014	5.38	SODIUM ADSORPTION RATIO	06/23/2011-01/07/2014	10	5.13	5.2550	5.38	1.47	HIGHEST
		0.003	ARSENIC (AS) DIS	06/23/2011-01/07/2014	10	<0.003		0.003		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		0.01	MOLYBDENUM (MO) DIS	06/23/2011-01/07/2014	10	0.009	0.0098	0.01	0.47	HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
AVF2-2	12/13/2013	3440.0	SC (UMHOS/CM AT 25 C)	06/23/2011-12/13/2013	9	3060.0	3300.0000	3440.0	1.08	HIGHEST
		23.0	POTASSIUM (K) DIS	06/23/2011-12/13/2013	9	20.0	21.5556	23.0	1.28	HIGHEST
		1600.0	SULFATE (SO4)	06/23/2011-12/13/2013	9	1400.0	1466.6667	1600.0	1.89	HIGHEST
		11.0	CHLORIDE (CL)	06/23/2011-12/13/2013	9	3.0	7.8889	11.0	1.34	HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-12/13/2013	9	0.003	0.0034	0.004	1.05	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-12/13/2013	9	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-12/13/2013	9	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-12/13/2013	9	<0.001		<0.001		HIGHEST
AVF3-2	11/21/2013	5080.0	SC (UMHOS/CM AT 25 C)	06/22/2011-11/21/2013	10	4110.0	4763.0000	5080.0	0.99	HIGHEST
		4250.0	TDS (MEASURED AT 180 C)	06/22/2011-11/21/2013	10	3700.0	4019.0000	4250.0	1.12	HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

Generated from s:\statout\\rpOTTCRK.007

TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		321.0	MAGNESIUM (MG) DIS	06/22/2011-11/21/2013	10	295.0	310.2000	321.0	1.15	HIGHEST
		720.0	TOTAL ALKALINITY AS CACO3	06/22/2011-11/21/2013	10	640.0	700.0000	720.0	0.83	HIGHEST
		2500.0	SULFATE (SO4)	06/22/2011-11/21/2013	10	2200.0	2390.0000	2500.0	1.00	HIGHEST
		0.003	ARSENIC (AS) DIS	06/22/2011-11/21/2013	10	<0.003		<0.003		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/21/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/21/2013	10	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/21/2013	10	<0.001		<0.001		HIGHEST
AVF3-P2	11/21/2013	7.3	PH	08/28/2013-11/21/2013	2	7.3	7.3000	7.3		HIGHEST
		9020.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	7920.0	8470.0000	9020.0	0.71	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01		<0.01		HIGHEST
AVF3-P3	11/21/2013	7.4	PH	08/28/2013-11/21/2013	2	7.4	7.4000	7.4		HIGHEST
		4740.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	4090.0	4415.0000	4740.0	0.71	HIGHEST
		2800.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	2800.0	2800.0000	2800.0		HIGHEST
		47.0	CHLORIDE (CL)	08/28/2013-11/21/2013	2	47.0	47.0000	47.0		HIGHEST
		0.01	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	0.01	0.0100	<0.01		HIGHEST
AVF4-1	11/21/2013	8.83	SODIUM ADSORPTION RATIO	08/25/2011-11/21/2013	2	7.12	7.9750	8.83	0.71	HIGHEST
		6120.0	SC (UMHOS/CM AT 25 C)	08/25/2011-11/21/2013	2	4920.0	5520.0000	6120.0	0.71	HIGHEST
		5110.0	TDS (MEASURED AT 180 C)	08/25/2011-11/21/2013	2	4880.0	4995.0000	5110.0	0.71	HIGHEST
		211.0	CALCIUM (CA) DIS	08/25/2011-11/21/2013	2	209.0	210.0000	211.0	0.71	HIGHEST
		432.0	MAGNESIUM (MG) DIS	08/25/2011-11/21/2013	2	388.0	410.0000	432.0	0.71	HIGHEST
		974.0	SODIUM (NA) DIS	08/25/2011-11/21/2013	2	753.0	863.5000	974	0.71	HIGHEST
		810.0	TOTAL ALKALINITY AS CACO3	08/25/2011-11/21/2013	2	760.0	785.0000	810.0	0.71	HIGHEST
		990.0	BICARBONATE (HCO3)	08/25/2011-11/21/2013	2	930.0	960.0000	990.0	0.71	HIGHEST
		3100.0	SULFATE (SO4)	08/25/2011-11/21/2013	2	2800.0	2950.0000	3100.0	0.71	HIGHEST
		30.0	CHLORIDE (CL)	08/25/2011-11/21/2013	2	25.0	27.5000	30.0	0.71	HIGHEST
		0.8	FLUORIDE (F)	08/25/2011-11/21/2013	2	0.8	0.8000	0.8		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-11/21/2013	2	<0.01		<0.01		HIGHEST
		0.005	ARSENIC (AS) DIS	08/25/2011-11/21/2013	2	0.004	0.0045	0.005	0.71	HIGHEST
		0.5	BORON (B) DIS	08/25/2011-11/21/2013	2	0.46	0.4800	0.5	0.71	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-11/21/2013	2	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-11/21/2013	2	<0.001		<0.001		HIGHEST
		2.36	MANGANESE (MN) DIS	08/25/2011-11/21/2013	2	2.31	2.3350	2.36	0.71	HIGHEST
		0.008	MOLYBDENUM (MO) DIS	08/25/2011-11/21/2013	2	0.008	0.0080	0.008		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-11/21/2013	2	<0.001		<0.001		HIGHEST
AVF4-P1	11/21/2013	8.0	PH	08/28/2013-11/21/2013	2	8.0	8.0000	8.0		HIGHEST
		15.4	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	14.82	15.1100	15.4	0.71	HIGHEST
		6310.0	SC (UMHOS/CM AT 25 C)	08/28/2013-11/21/2013	2	6260.0	6285.0000	6310.0	0.71	HIGHEST
		4640.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	4120.0	4380.0000	4640.0	0.71	HIGHEST
		42.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	42.0	42.0000	42.0		HIGHEST
		233.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	223.0	228.0000	233.0	0.71	HIGHEST
		1150.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	1090	1120.0000	1150	0.71	HIGHEST
		25.0	POTASSIUM (K) DIS	08/28/2013-11/21/2013	2	25.0	25.0000	25.0		HIGHEST
		2800.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	2800.0	2800.0000	2800.0		HIGHEST
		42.0	CHLORIDE (CL)	08/28/2013-11/21/2013	2	41.0	41.5000	42.0	0.71	HIGHEST
		2.38	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	1.99	2.1850	2.38	0.71	HIGHEST
AVF4-P2	11/21/2013	7.4	PH	08/28/2013-11/21/2013	2	7.4	7.4000	7.4		HIGHEST
		9.02	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	8.72	8.8700	9.02	0.71	HIGHEST
		7010.0	SC (UMHOS/CM AT 25 C)	08/28/2013-11/21/2013	2	6980.0	6995.0000	7010.0	0.71	HIGHEST
		5920.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	5100.0	5510.0000	5920.0	0.71	HIGHEST
		220.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	213.0	216.5000	220.0	0.71	HIGHEST
		443.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	433.0	438.0000	443.0	0.71	HIGHEST
		1010.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	965	987.5000	1010	0.71	HIGHEST
		3700.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	3700.0	3700.0000	3700.0		HIGHEST
		32.0	CHLORIDE (CL)	08/28/2013-11/21/2013	2	32.0	32.0000	32.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01		<0.01		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
AVF5-1	11/22/2013	1700.0	SC (UMHOS/CM AT 25 C)	06/23/2011-11/22/2013	10	1300.0	1525.0000	1700.0	1.50	HIGHEST
		1090.0	TDS (MEASURED AT 180 C)	06/23/2011-11/22/2013	10	919.0	1008.6000	1090.0	1.75	HIGHEST
		87.0	MAGNESIUM (MG) DIS	06/23/2011-11/22/2013	10	74.0	79.6000	87.0	1.58	HIGHEST
		470.0	TOTAL ALKALINITY AS CACO3	06/23/2011-11/22/2013	10	410.0	440.0000	470.0	1.70	HIGHEST
		570.0	BICARBONATE (HCO3)	06/23/2011-11/22/2013	10	490.0	534.0000	570.0	1.62	HIGHEST
		490.0	SULFATE (SO4)	06/23/2011-11/22/2013	10	380.0	445.0000	490.0	1.42	HIGHEST
		9.0	CHLORIDE (CL)	06/23/2011-11/22/2013	10	6.0	7.0000	9.0	1.60	HIGHEST
		1.27	NITRATE + NITRITE AS N	06/23/2011-11/22/2013	10	0.57	0.8410	1.27	2.03	HIGHEST
		0.67	BORON (B) DIS	06/23/2011-11/22/2013	10	0.57	0.6230	0.67	1.71	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-11/22/2013	10	0.001		<0.001		HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/23/2011-11/22/2013	10	0.007	0.0076	0.008	0.77	HIGHEST
AVF6-3	12/12/2013	3110.0	SC (UMHOS/CM AT 25 C)	08/24/2011-12/12/2013	10	2500.0	2923.0000	3110.0	0.91	HIGHEST
		22.0	POTASSIUM (K) DIS	08/24/2011-12/12/2013	10	20.0	21.1000	22.0	1.22	HIGHEST
		1200.0	SULFATE (SO4)	08/24/2011-12/12/2013	10	1000.0	1130.0000	1200.0	0.85	HIGHEST
		0.49	BORON (B) DIS	08/24/2011-12/12/2013	10	0.4	0.4460	0.49	1.86	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/12/2013	10	<0.005		<0.005		HIGHEST
AVF7-P1	11/21/2013	7.6	PH	08/28/2013-11/21/2013	2	7.5	7.5500	7.6	0.71	HIGHEST
		9.29	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	8.95	9.1200	9.29	0.71	HIGHEST
		4720.0	SC (UMHOS/CM AT 25 C)	08/28/2013-11/21/2013	2	4550.0	4635.0000	4720	0.71	HIGHEST
		3520.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	3120.0	3320.0000	3520.0	0.71	HIGHEST
		104.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	104.0	104.0000	104.0		HIGHEST
		732.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	710	721.0000	732	0.71	HIGHEST
		1900.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	1900.0	1900.0000	1900.0		HIGHEST
		40.0	CHLORIDE (CL)	08/28/2013-11/21/2013	2	40.0	40.0000	40.0		HIGHEST
AVF7-P3	11/21/2013	12.4	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	11.62	12.0100	12.4	0.71	HIGHEST
		7150.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	6250.0	6700.0000	7150.0	0.71	HIGHEST
		1380.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	1340	1360.0000	1380	0.71	HIGHEST
		4700.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	4700.0	4700.0000	4700.0		HIGHEST
		0.02	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01	0.0150	0.02	0.71	HIGHEST
AVF7-P4	11/21/2013	7.3	PH	08/28/2013-11/21/2013	2	7.3	7.3000	7.3		HIGHEST
		14.1	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	13.29	13.6950	14.1	0.71	HIGHEST
		11000.0	SC (UMHOS/CM AT 25 C)	08/28/2013-11/21/2013	2	10900.0	10950.0000	11000.0	0.71	HIGHEST
		10100.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	8710.0	9405.0000	10100.0	0.71	HIGHEST
		701.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	666.0	683.5000	701.0	0.71	HIGHEST
		1940.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	1790	1865.0000	1940	0.71	HIGHEST
		6900.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	6400.0	6650.0000	6900.0	0.71	HIGHEST
		0.12	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01	0.0650	0.12	0.71	HIGHEST
AVF8-P3	11/21/2013	7.84	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	7.35	7.5950	7.84	0.71	HIGHEST
		4580.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	4220.0	4400.0000	4580.0	0.71	HIGHEST
		191.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	191.0	191.0000	191.0		HIGHEST
		340.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	338.0	339.0000	340.0	0.71	HIGHEST
		780.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	730	755.0000	780	0.71	HIGHEST
		2900.0	SULFATE (SO4)	08/28/2013-11/21/2013	2	2800.0	2850.0000	2900.0	0.71	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01		<0.01		HIGHEST
AVF8-P3	11/21/2013	7.3	SODIUM ADSORPTION RATIO	08/28/2013-11/21/2013	2	7.35	7.5950	7.84	0.85	LOWEST
		4630.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	4220.0	4400.0000	4580.0	0.90	HIGHEST
		188.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	191.0	191.0000	191.0		LOWEST
		331.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	338.0	339.0000	340.0	5.66	LOWEST
		719.0	SODIUM (NA) DIS	08/28/2013-11/21/2013	2	730	755.0000	780	1.02	LOWEST
		25.0	CHLORIDE (CL)	08/28/2013-11/21/2013	2	26.0	27.0000	28.0	1.41	LOWEST
		0.01	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	<0.01		<0.01		HIGHEST
AVF8-P4	11/21/2013	5470.0	TDS (MEASURED AT 180 C)	08/28/2013-11/21/2013	2	4660.0	5065.0000	5470.0	0.71	HIGHEST
		192.0	CALCIUM (CA) DIS	08/28/2013-11/21/2013	2	184.0	188.0000	192.0	0.71	HIGHEST
		364.0	MAGNESIUM (MG) DIS	08/28/2013-11/21/2013	2	347.0	355.5000	364.0	0.71	HIGHEST

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		0.17	NITRATE + NITRITE AS N	08/28/2013-11/21/2013	2	0.05	0.1100	0.17	0.71	HIGHEST
B1-U	12/10/2013	1510.0	SC (UMHOS/CM AT 25 C)	06/23/2011-12/10/2013	10	1230.0	1411.0000	1510.0	1.27	HIGHEST
		1070.0	TDS (MEASURED AT 180 C)	06/23/2011-12/10/2013	10	808.0	970.3000	1070.0	1.38	HIGHEST
		20.0	POTASSIUM (K) DIS	06/23/2011-12/10/2013	10	17.0	19.1000	20.0	1.03	HIGHEST
		300.0	TOTAL ALKALINITY AS CACO3	06/23/2011-12/10/2013	10	270.0	289.0000	300.0	1.11	HIGHEST
		370.0	BICARBONATE (HCO3)	06/23/2011-12/10/2013	10	310.0	345.0000	370.0	1.36	HIGHEST
		560.0	SULFATE (SO4)	06/23/2011-12/10/2013	10	500.0	525.0000	560.0	1.61	HIGHEST
		0.62	NITRATE + NITRITE AS N	06/23/2011-12/10/2013	10	<0.01	0.3450	0.62	1.26	HIGHEST
		0.004	ARSENIC (AS) DIS	06/23/2011-12/10/2013	10	0.003	0.0032	0.004	1.90	HIGHEST
		0.001	CHROMIUM (CR) DIS	06/23/2011-12/10/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-12/10/2013	10	<0.001		<0.001		HIGHEST
		0.17	IRON (FE) DIS	06/23/2011-12/10/2013	10	0.12	0.1510	0.17	1.19	HIGHEST
		0.002	SELENIUM (SE) DIS	06/23/2011-12/10/2013	10	<0.001	0.0013	0.002	1.45	HIGHEST
B2-K	01/08/2014	9.0	MAGNESIUM (MG) DIS	06/29/2011-01/08/2014	10	8.0	8.5000	9.0	0.95	HIGHEST
		17.0	CHLORIDE (CL)	06/29/2011-01/08/2014	10	<5.0	13.0000	17.0	1.10	HIGHEST
		1.1	FLUORIDE (F)	06/29/2011-01/08/2014	10	0.9	1.0200	1.1	1.01	HIGHEST
		0.02	NITRATE + NITRITE AS N	06/29/2011-01/08/2014	10	<0.01		0.02		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-01/08/2014	10	<0.005		<0.005		HIGHEST
B2-U	01/08/2014	2.0	CALCIUM (CA) DIS	06/29/2011-01/08/2014	10	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/29/2011-01/08/2014	10	<1.0		<1.0		HIGHEST
		35.0	CHLORIDE (CL)	06/29/2011-01/08/2014	10	30.0	33.3000	35.0	1.14	HIGHEST
		2.4	FLUORIDE (F)	06/29/2011-01/08/2014	10	1.8	2.0600	2.4	2.16	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/29/2011-01/08/2014	10	<0.01		<0.01		HIGHEST
		0.068	BARIUM (BA) DIS	06/29/2011-01/08/2014	10	0.045	0.0611	0.068	0.93	HIGHEST
		0.15	BORON (B) DIS	06/29/2011-01/08/2014	10	0.12	0.1370	0.15	1.37	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/29/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/29/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-01/08/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/29/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
B3-K	12/10/2013	11.0	POTASSIUM (K) DIS	08/24/2011-12/10/2013	10	9.0	10.2000	11.0	1.26	HIGHEST
		900.0	TOTAL ALKALINITY AS CACO3	08/24/2011-12/10/2013	10	830.0	874.0000	900.0	0.93	HIGHEST
		1100.0	BICARBONATE (HCO3)	08/24/2011-12/10/2013	10	1000.0	1070.0000	1100.0	0.62	HIGHEST
		3100.0	SULFATE (SO4)	08/24/2011-12/10/2013	10	2800.0	2900.0000	3100.0	1.73	HIGHEST
		50.0	CHLORIDE (CL)	08/24/2011-12/10/2013	10	34.0	42.9000	50.0	1.28	HIGHEST
		0.2	FLUORIDE (F)	08/24/2011-12/10/2013	10	0.2	0.2000	0.2	0.00	HIGHEST
		0.011	COPPER (CU) DIS	08/24/2011-12/10/2013	10	0.003	0.0065	0.011	1.61	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/10/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-12/10/2013	10	<0.001		<0.001		HIGHEST
B3-U	12/10/2013	3.0	CALCIUM (CA) DIS	08/24/2011-12/10/2013	10	2.0	2.6000	3.0	0.77	HIGHEST
		<1.0	MAGNESIUM (MG) DIS	08/24/2011-12/10/2013	10	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/24/2011-12/10/2013	10	1.0	1.2000	2.0	1.90	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-12/10/2013	10	<0.01		<0.01		HIGHEST
		0.16	BORON (B) DIS	08/24/2011-12/10/2013	10	0.14	0.1540	0.16	0.86	HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-12/10/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/10/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-12/10/2013	10	<0.001		<0.001		HIGHEST
B4-K	12/11/2013	8.0	POTASSIUM (K) DIS	08/24/2011-12/11/2013	10	7.0	7.9000	8.0	0.32	HIGHEST
		840.0	TOTAL ALKALINITY AS CACO3	08/24/2011-12/11/2013	10	720.0	781.0000	840.0	1.54	HIGHEST
		1000.0	BICARBONATE (HCO3)	08/24/2011-12/11/2013	10	850.0	937.0000	1000.0	1.31	HIGHEST
		17.0	CHLORIDE (CL)	08/24/2011-12/11/2013	10	10.0	14.0000	17.0	1.27	HIGHEST
		0.23	BORON (B) DIS	08/24/2011-12/11/2013	10	0.17	0.1980	0.23	1.76	HIGHEST
		0.001	CHROMIUM (CR) DIS	08/24/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-12/11/2013	10	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		0.66	IRON (FE) DIS	08/24/2011-12/11/2013	10	0.06	0.4030	0.66	1.42	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/24/2011-12/11/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
B4-O	12/11/2013	4.13	SODIUM ADSORPTION RATIO	08/24/2011-12/11/2013	10	3.83	3.9570	4.13	1.71	HIGHEST
		1100.0	TOTAL ALKALINITY AS CACO3	08/24/2011-12/11/2013	10	1000.0	1080.0000	1100.0	0.47	HIGHEST
		1400.0	BICARBONATE (HCO3)	08/24/2011-12/11/2013	10	1200.0	1350.0000	1400.0	0.71	HIGHEST
		19.0	CHLORIDE (CL)	08/24/2011-12/11/2013	10	12.0	17.1000	19.0	0.87	HIGHEST
		0.18	BORON (B) DIS	08/24/2011-12/11/2013	10	0.13	0.1590	0.18	1.53	HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-12/11/2013	10	<0.001		0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
		0.028	ZINC (ZN) DIS	08/24/2011-12/11/2013	10	<0.01	0.0148	0.028	2.00	HIGHEST
B4-U	12/11/2013	7.0	CALCIUM (CA) DIS	08/25/2011-12/11/2013	10	6.0	6.6000	7.0	0.77	HIGHEST
		3.0	POTASSIUM (K) DIS	08/25/2011-12/11/2013	10	2.0	2.5000	3.0	0.95	HIGHEST
		0.15	BORON (B) DIS	08/25/2011-12/11/2013	10	0.13	0.1400	0.15	1.50	HIGHEST
		0.002	CHROMIUM (CR) DIS	08/25/2011-12/11/2013	10	<0.001		0.002		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
B5-K	12/12/2013	2.0	CALCIUM (CA) DIS	06/23/2011-12/12/2013	10	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-12/12/2013	10	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-12/12/2013	10	2.0	2.0000	2.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-12/12/2013	10	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-12/12/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
B5-U	12/12/2013	1100.0	SC (UMHOS/CM AT 25 C)	06/23/2011-12/12/2013	10	1010.0	1067.0000	1100.0	1.08	HIGHEST
		2.0	CALCIUM (CA) DIS	06/23/2011-12/12/2013	10	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/23/2011-12/12/2013	10	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/23/2011-12/12/2013	10	1.0	1.1000	2.0	2.85	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/23/2011-12/12/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/23/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/23/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/23/2011-12/12/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/23/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
B6-K	01/07/2014	1520.0	SC (UMHOS/CM AT 25 C)	08/25/2011-01/07/2014	10	1340.0	1462.0000	1520.0	0.82	HIGHEST
		3.0	CALCIUM (CA) DIS	08/25/2011-01/07/2014	10	2.0	2.8000	3.0	0.47	HIGHEST
		1.0	MAGNESIUM (MG) DIS	08/25/2011-01/07/2014	10	1.0		1.0		HIGHEST
		395.0	SODIUM (NA) DIS	08/25/2011-01/07/2014	10	366.0	380.6000	395	1.39	HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-01/07/2014	10	2.0	2.0000	2.0		HIGHEST
		1000.0	BICARBONATE (HCO3)	08/25/2011-01/07/2014	10	860.0	965.3000	1000.0	0.80	HIGHEST
		9.0	CHLORIDE (CL)	08/25/2011-01/07/2014	10	5.0	7.2000	9.0	1.59	HIGHEST
		1.0	FLUORIDE (F)	08/25/2011-01/07/2014	10	0.8	0.9400	1.0	0.86	HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
B6-K	01/07/2014	1520.0	SC (UMHOS/CM AT 25 C)	08/25/2011-01/07/2014	10	1340.0	1462.0000	1520.0	0.82	HIGHEST
		3.0	CALCIUM (CA) DIS	08/25/2011-01/07/2014	10	2.0	2.8000	3.0	0.47	HIGHEST
		1.0	MAGNESIUM (MG) DIS	08/25/2011-01/07/2014	10	1.0		1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/25/2011-01/07/2014	10	2.0	2.0000	2.0		HIGHEST
		1.0	FLUORIDE (F)	08/25/2011-01/07/2014	10	0.8	0.9400	1.0	0.86	HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
B6-O	01/07/2014	35.0	CALCIUM (CA) DIS	08/25/2011-01/07/2014	10	25.0	27.5000	35.0	2.39	HIGHEST
		23.0	MAGNESIUM (MG) DIS	08/25/2011-01/07/2014	10	13.0	14.4000	23.0	2.78	HIGHEST
		7.0	POTASSIUM (K) DIS	08/25/2011-01/07/2014	10	6.0	6.7000	7.0	0.62	HIGHEST

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DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1300.0	TOTAL ALKALINITY AS CACO3	08/25/2011-01/07/2014	10	1200.0	1289.0000	1300.0	0.35	HIGHEST
		1600.0	BICARBONATE (HCO3)	08/25/2011-01/07/2014	10	1300.0	1486.0000	1600.0	1.20	HIGHEST
		18.0	CHLORIDE (CL)	08/25/2011-01/07/2014	10	11.0	14.9000	18.0	1.39	HIGHEST
B6-U	01/07/2014	<1.0	MAGNESIUM (MG) DIS	08/25/2011-01/07/2014	10	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/25/2011-01/07/2014	10	<1.0	1.0000	1.0		HIGHEST
		610.0	BICARBONATE (HCO3)	08/25/2011-01/07/2014	10	530.0	584.9000	610.0	1.13	HIGHEST
		<1.0	SULFATE (SO4)	08/25/2011-01/07/2014	10	<1.0		<1.0		HIGHEST
		2.2	FLUORIDE (F)	08/25/2011-01/07/2014	10	1.8	2.0200	2.2	1.46	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/25/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		0.026	BARIUM (BA) DIS	08/25/2011-01/07/2014	10	0.019	0.0229	0.026	1.42	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/25/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/25/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
B7-KL	11/25/2013	1.0	MAGNESIUM (MG) DIS	06/21/2011-11/25/2013	10	1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/21/2011-11/25/2013	10	2.0	2.0000	2.0		HIGHEST
		440.0	SULFATE (SO4)	06/21/2011-11/25/2013	10	390.0	422.1000	440.0	1.27	HIGHEST
		9.0	CHLORIDE (CL)	06/21/2011-11/25/2013	10	6.0	7.6000	9.0	1.30	HIGHEST
		1.0	FLUORIDE (F)	06/21/2011-11/25/2013	10	0.9	0.9600	1.0	0.77	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/25/2013	10	<0.01		<0.01		HIGHEST
		3.06	ALUMINUM (AL) DIS	06/21/2011-11/25/2013	10	<0.1	0.4860	3.06	2.83	HIGHEST
		0.018	BARIUM (BA) DIS	06/21/2011-11/25/2013	10	0.012	0.0136	0.018	1.82	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/21/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		0.9	IRON (FE) DIS	06/21/2011-11/25/2013	10	0.05	0.1720	0.9	2.83	HIGHEST
		0.0006	LEAD (PB) DIS	06/21/2011-11/25/2013	10	<0.0005		0.0006		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/25/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
B7-KU	11/25/2013	<0.01	NITRATE + NITRITE AS N	06/21/2011-11/25/2013	10	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/25/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/25/2013	10	0.001		<0.001		HIGHEST
B7-O	11/25/2013	10.0	MAGNESIUM (MG) DIS	06/21/2011-11/25/2013	10	9.0	9.9000	10.0	0.32	HIGHEST
		1100.0	BICARBONATE (HCO3)	06/21/2011-11/25/2013	10	930.0	1046.0000	1100.0	0.85	HIGHEST
		14.0	CHLORIDE (CL)	06/21/2011-11/25/2013	10	9.0	11.5000	14.0	1.46	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/25/2013	10	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/21/2011-11/25/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/21/2011-11/25/2013	10	<0.001		0.001		HIGHEST
B7-U	11/26/2013	8.8	PH	06/21/2011-11/26/2013	10	8.4	8.6000	8.8	1.41	HIGHEST
		12.0	CHLORIDE (CL)	06/21/2011-11/26/2013	10	8.0	10.2000	12.0	1.37	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/21/2011-11/26/2013	10	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/21/2011-11/26/2013	10	0.001		<0.001		HIGHEST
B8-KL	11/26/2013	520.0	TOTAL ALKALINITY AS CACO3	08/23/2011-11/26/2013	10	460.0	501.8000	520.0	0.78	HIGHEST
		22.0	CHLORIDE (CL)	08/23/2011-11/26/2013	10	10.0	16.3000	22.0	1.41	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-11/26/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/26/2013	10	0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/26/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
B8-KU	11/26/2013	170.0	MAGNESIUM (MG) DIS	08/23/2011-11/26/2013	10	150.0	159.4000	170.0	1.64	HIGHEST
		12.0	CHLORIDE (CL)	08/23/2011-11/26/2013	10	5.0	8.8000	12.0	1.53	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST

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OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		1.42	IRON (FE) DIS	08/23/2011-11/26/2013	10	1.11	1.2960	1.42	1.35	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/26/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
B8-O	11/26/2013	199.0	MAGNESIUM (MG) DIS	08/23/2011-11/26/2013	10	153.0	176.0000	199.0	1.55	HIGHEST
		6.0	POTASSIUM (K) DIS	08/23/2011-11/26/2013	10	5.0	5.3000	6.0	1.45	HIGHEST
		11.0	CHLORIDE (CL)	08/23/2011-11/26/2013	10	6.0	8.0000	11.0	1.64	HIGHEST
		0.8	FLUORIDE (F)	08/23/2011-11/26/2013	10	0.6	0.7400	0.8	0.86	HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/26/2013	10	<0.005		<0.005		HIGHEST
B8-U	11/26/2013	<0.01	NITRATE + NITRITE AS N	08/24/2011-11/26/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
B9-K	11/25/2013	<1.0	MAGNESIUM (MG) DIS	08/23/2011-11/25/2013	10	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	08/23/2011-11/25/2013	10	2.0	2.0000	2.0		HIGHEST
		1100.0	BICARBONATE (HCO3)	08/23/2011-11/25/2013	10	930.0	1030.0000	1100.0	1.09	HIGHEST
		30.0	CHLORIDE (CL)	08/23/2011-11/25/2013	10	20.0	22.8000	30.0	2.59	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/23/2011-11/25/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/23/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/23/2011-11/25/2013	10	0.001		<0.001		HIGHEST
		0.18	IRON (FE) DIS	08/23/2011-11/25/2013	10	<0.05	0.1230	0.18	1.14	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	08/23/2011-11/25/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	08/23/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
B9-U	11/25/2013	<1.0	MAGNESIUM (MG) DIS	08/24/2011-11/25/2013	10	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	08/24/2011-11/25/2013	10	1.0	1.0000	1.0		HIGHEST
		27.0	CHLORIDE (CL)	08/24/2011-11/25/2013	10	22.0	24.9000	27.0	1.26	HIGHEST
		<0.01	NITRATE + NITRITE AS N	08/24/2011-11/25/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	08/24/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	08/24/2011-11/25/2013	10	0.001		0.003		LOWEST
		<0.001	SELENIUM (SE) DIS	08/24/2011-11/25/2013	10	<0.001		<0.001		HIGHEST
B10-KL	12/11/2013	4.0	CALCIUM (CA) DIS	06/22/2011-12/11/2013	10	3.0	3.3000	4.0	1.45	HIGHEST
		1.0	MAGNESIUM (MG) DIS	06/22/2011-12/11/2013	10	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-12/11/2013	10	2.0	2.0000	2.0		HIGHEST
		930.0	BICARBONATE (HCO3)	06/22/2011-12/11/2013	10	800.0	898.0000	930.0	0.77	HIGHEST
		30.0	CHLORIDE (CL)	06/22/2011-12/11/2013	10	13.0	26.4000	30.0	0.70	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-12/11/2013	10	<0.01		<0.01		HIGHEST
		0.001	COPPER (CU) DIS	06/22/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/11/2013	10	<0.001		<0.001		HIGHEST
B10-KU	12/11/2013	5250.0	SC (UMHOS/CM AT 25 C)	03/10/2011-12/11/2013	11	4600.0	5087.2727	5250.0	0.78	HIGHEST
		105.0	CALCIUM (CA) DIS	03/10/2011-12/11/2013	11	87.0	93.5364	105.0	2.12	HIGHEST
		14.0	POTASSIUM (K) DIS	03/10/2011-12/11/2013	11	12.0	12.9727	14.0	1.61	HIGHEST
		1200.0	TOTAL ALKALINITY AS CACO3	03/10/2011-12/11/2013	11	1100.0	1180.0000	1200.0	0.50	HIGHEST
		1500.0	BICARBONATE (HCO3)	03/10/2011-12/11/2013	11	1180	1416.3636	1500.0	0.69	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-12/11/2013	11	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-12/11/2013	11	<0.001		<0.001		HIGHEST
B10-O	12/11/2013	3440.0	SC (UMHOS/CM AT 25 C)	06/22/2011-12/11/2013	10	2970.0	3291.0000	3440.0	0.89	HIGHEST
		1300.0	SULFATE (SO4)	06/22/2011-12/11/2013	10	1200.0	1220.0000	1300.0	1.90	HIGHEST
		17.0	CHLORIDE (CL)	06/22/2011-12/11/2013	10	10.0	13.3000	17.0	1.63	HIGHEST
B10-U	12/11/2013	<1.0	MAGNESIUM (MG) DIS	03/10/2011-12/11/2013	11	<1.0		<1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	03/10/2011-12/11/2013	11	2.0	2.0000	2.0		HIGHEST
		65.0	CHLORIDE (CL)	03/10/2011-12/11/2013	11	59.0	62.1818	65.0	1.35	HIGHEST
		<0.01	NITRATE + NITRITE AS N	03/10/2011-12/11/2013	11	<0.01		<0.01		HIGHEST
		0.16	BORON (B) DIS	03/10/2011-12/11/2013	11	0.15	0.1545	0.16	1.04	HIGHEST

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

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OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.001	CHROMIUM (CR) DIS	03/10/2011-12/11/2013	11	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	03/10/2011-12/11/2013	11	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	03/10/2011-12/11/2013	11	<0.001		<0.001		HIGHEST
B11-K	11/26/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-11/26/2013	10	<1.0		<1.0		HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-11/26/2013	10	7.0	7.9000	9.0	1.26	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/26/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/26/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/26/2013	10	<0.001		<0.001		HIGHEST
B11-O	11/27/2013	3500.0	SULFATE (SO4)	06/23/2011-11/27/2013	10	3100.0	3290.0000	3500.0	1.45	HIGHEST
		0.005	CHROMIUM (CR) DIS	06/23/2011-11/27/2013	10	<0.001		0.005		HIGHEST
B11-U	11/27/2013	2.0	CALCIUM (CA) DIS	06/24/2011-11/27/2013	10	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/24/2011-11/27/2013	10	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/24/2011-11/27/2013	10	1.0	1.0000	1.0		HIGHEST
		11.0	CHLORIDE (CL)	06/24/2011-11/27/2013	10	7.0	9.0000	11.0	1.50	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/24/2011-11/27/2013	10	0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-11/27/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/24/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
C-2	12/13/2013	3100.0	SC (UMHOS/CM AT 25 C)	06/29/2011-12/13/2013	10	2480.0	2915.0000	3100.0	0.93	HIGHEST
		670.0	TOTAL ALKALINITY AS CACO3	06/29/2011-12/13/2013	10	590.0	649.0000	670.0	0.78	HIGHEST
		1100.0	SULFATE (SO4)	06/29/2011-12/13/2013	10	820.0	979.0000	1100.0	1.36	HIGHEST
		0.11	IRON (FE) DIS	06/29/2011-12/13/2013	10	0.05		0.11		HIGHEST
		0.043	MANGANESE (MN) DIS	06/29/2011-12/13/2013	10	0.015	0.0256	0.043	1.92	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-12/13/2013	10	<0.005		<0.005		HIGHEST
C-2	12/13/2013	8.48	SODIUM ADSORPTION RATIO	06/29/2011-12/13/2013	10	7.28	7.8330	8.42	1.97	HIGHEST
		670.0	TOTAL ALKALINITY AS CACO3	06/29/2011-12/13/2013	10	590.0	649.0000	670.0	0.78	HIGHEST
		820.0	BICARBONATE (HCO3)	06/29/2011-12/13/2013	10	700.0	783.0000	810.0	1.11	HIGHEST
		1100.0	SULFATE (SO4)	06/29/2011-12/13/2013	10	820.0	979.0000	1100.0	1.36	HIGHEST
		3.0	NITRATE + NITRITE AS N	06/29/2011-12/13/2013	10	3.27	4.6560	6.08	1.88	LOWEST
		0.004	ARSENIC (AS) DIS	06/29/2011-12/13/2013	10	0.003	0.0036	0.004	0.77	HIGHEST
		0.45	BORON (B) DIS	06/29/2011-12/13/2013	10	0.37	0.4040	0.45	1.78	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/29/2011-12/13/2013	10	<0.005		<0.005		HIGHEST
C-3	12/12/2013	3550.0	SC (UMHOS/CM AT 25 C)	06/22/2011-12/12/2013	10	2890.0	3359.0000	3550.0	0.94	HIGHEST
		640.0	TOTAL ALKALINITY AS CACO3	06/22/2011-12/12/2013	10	570.0	620.0000	640.0	0.93	HIGHEST
		1500.0	SULFATE (SO4)	06/22/2011-12/12/2013	10	1300.0	1420.0000	1500.0	1.01	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-12/12/2013	10	0.001	0.0014	0.002	0.77	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-12/12/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-12/12/2013	10	<0.001		<0.001		HIGHEST
C-4	11/27/2013	21.0	POTASSIUM (K) DIS	06/22/2011-11/27/2013	10	19.0	20.1000	21.0	1.22	HIGHEST
		2000.0	SULFATE (SO4)	06/22/2011-11/27/2013	10	1600.0	1790.0000	2000.0	1.45	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/27/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/27/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
C-4	11/27/2013	21.0	POTASSIUM (K) DIS	06/22/2011-11/27/2013	10	19.0	20.1000	21.0	1.22	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/27/2013	10	<0.01		<0.01		HIGHEST
		<0.009	ALUMINUM (AL) DIS	06/22/2011-11/27/2013	10	0.015		<0.1		LOWEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST

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DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/27/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
K-1	11/27/2013	2.0	MAGNESIUM (MG) DIS	06/22/2011-11/27/2013	10	2.0	2.0000	2.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-11/27/2013	10	2.0	2.0000	2.0		HIGHEST
		950.0	BICARBONATE (HCO3)	06/22/2011-11/27/2013	10	820.0	917.0000	950.0	0.81	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-11/27/2013	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.005	MANGANESE (MN) DIS	06/22/2011-11/27/2013	10	0.005	0.0062	0.011	0.62	LOWEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/27/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
K-2	01/07/2014	<1.0	MAGNESIUM (MG) DIS	06/22/2011-01/07/2014	10	<1.0		<1.0		HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		0.106	BARIUM (BA) DIS	06/22/2011-01/07/2014	10	0.09	0.0974	0.106	1.42	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
K-3	01/07/2014	<0.01	NITRATE + NITRITE AS N	06/22/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
K-4	01/07/2014	2.0	CALCIUM (CA) DIS	06/22/2011-01/07/2014	10	2.0	2.0000	2.0		HIGHEST
		<1.0	MAGNESIUM (MG) DIS	06/22/2011-01/07/2014	10	<1.0		<1.0		HIGHEST
		1.0	POTASSIUM (K) DIS	06/22/2011-01/07/2014	10	1.0	1.0000	1.0		HIGHEST
		9.0	CHLORIDE (CL)	06/22/2011-01/07/2014	10	7.0	8.2000	9.0	0.87	HIGHEST
		<0.01	NITRATE + NITRITE AS N	06/22/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		0.555	ALUMINUM (AL) DIS	06/22/2011-01/07/2014	10	0.1	0.2455	0.555	1.84	HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		0.21	IRON (FE) DIS	06/22/2011-01/07/2014	10	<0.05	0.1020	0.21	1.81	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
K-5	11/27/2013	<1.0	MAGNESIUM (MG) DIS	06/22/2011-11/27/2013	10	<1.0	1.0000	1.0		HIGHEST
		2.0	POTASSIUM (K) DIS	06/22/2011-11/27/2013	10	2.0	2.0000	2.0		HIGHEST
		11.0	CHLORIDE (CL)	06/22/2011-11/27/2013	10	8.0	9.3000	11.0	1.27	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-11/27/2013	10	0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-11/27/2013	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-11/27/2013	10	<0.001		<0.001		HIGHEST
K-6	01/07/2014	<0.01	NITRATE + NITRITE AS N	06/22/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
K-6	01/07/2014	<0.01	NITRATE + NITRITE AS N	06/22/2011-01/07/2014	10	<0.01		<0.01		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/22/2011-01/07/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/22/2011-01/07/2014	10	<0.001		<0.001		HIGHEST
P1	01/08/2014	<0.001	CHROMIUM (CR) DIS	06/24/2011-01/08/2014	8	<0.001		<0.001		HIGHEST
P5	01/08/2014	23.8	SODIUM ADSORPTION RATIO	10/27/2010-01/08/2014	11	6.75	15.7664	23.8	1.25	HIGHEST
		9610.0	SC (UMHOS/CM AT 25 C)	10/27/2010-01/08/2014	11	1970.0	6174.5455	9610.0	1.47	HIGHEST

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DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
		7730.0	TDS (MEASURED AT 180 C)	10/27/2010-01/08/2014	11	1520.0	5131.8182	7730.0	1.36	HIGHEST
		326.0	MAGNESIUM (MG) TRC	10/27/2010-01/08/2014	11	60	201.0909	326	1.47	HIGHEST
		2120.0	SODIUM (NA) DIS	06/24/2011-01/08/2014	10	293.0	1195.8000	2120	1.56	HIGHEST
		2340.0	SODIUM (NA) TRC	10/27/2010-01/08/2014	11	300	1252.0909	2340	1.80	HIGHEST
		350.0	TOTAL ALKALINITY AS CACO3	10/27/2010-01/08/2014	11	110.0	219.8182	350.0	1.45	HIGHEST
		5400.0	SULFATE (SO4)	10/27/2010-01/08/2014	11	850.0	3495.4545	5400.0	1.31	HIGHEST
		33.0	CHLORIDE (CL)	10/27/2010-01/08/2014	11	7.0	17.3545	33.0	1.95	HIGHEST
		0.4	FLUORIDE (F)	10/27/2010-01/08/2014	11	0.1	0.2573	0.4	1.50	HIGHEST
		0.009	ARSENIC (AS) TRC	10/27/2010-01/08/2014	11	0.003	0.0042	0.009	2.16	HIGHEST
		<0.0001	CADMIUM (CD) TRC	10/27/2010-01/08/2014	11	<0.00008		0.0001		HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-01/08/2014	10	<0.001		<0.001		HIGHEST
		0.53	MANGANESE (MN) DIS	06/24/2011-01/08/2014	10	<0.005	0.1463	0.53	1.83	HIGHEST
		0.56	MANGANESE (MN) TRC	10/27/2010-01/08/2014	11	<0.005	0.1621	0.560	2.02	HIGHEST
		0.068	ZINC (ZN) TRC	10/27/2010-01/08/2014	11	0.01		0.068		HIGHEST
P6	01/09/2014	3620.0	SC (UMHOS/CM AT 25 C)	06/24/2011-01/09/2014	10	2750.0	3189.0000	3620.0	1.79	HIGHEST
		2920.0	TDS (MEASURED AT 180 C)	06/24/2011-01/09/2014	10	2370.0	2511.0000	2920.0	2.43	HIGHEST
		150.0	CALCIUM (CA) DIS	06/24/2011-01/09/2014	10	35.0	94.4000	150.0	1.39	HIGHEST
		177.0	CALCIUM (CA) TRC	06/24/2011-01/09/2014	10	37	98.9000	177	1.71	HIGHEST
		495.0	SODIUM (NA) TRC	06/24/2011-01/09/2014	10	368	408.5000	495	2.04	HIGHEST
		750.0	TOTAL ALKALINITY AS CACO3	06/24/2011-01/09/2014	10	430.0	564.0000	750.0	2.06	HIGHEST
		910.0	BICARBONATE (HCO3)	06/24/2011-01/09/2014	10	510.0	634.0000	910.0	2.23	HIGHEST
		0.7	FLUORIDE (F)	06/24/2011-01/09/2014	10	0.5	0.5700	0.7	1.93	HIGHEST
		0.59	BORON (B) TRC	06/24/2011-01/09/2014	10	0.39	0.4870	0.59	1.36	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/24/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/24/2011-01/09/2014	10	0.001		0.003		LOWEST
		<0.001	COPPER (CU) DIS	06/24/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/24/2011-01/09/2014	10	0.001		0.003		LOWEST
		0.08	IRON (FE) DIS	06/24/2011-01/09/2014	10	<0.05		0.08		HIGHEST
		0.544	MANGANESE (MN) DIS	06/24/2011-01/09/2014	10	0.007	0.1272	0.544	2.56	HIGHEST
		0.553	MANGANESE (MN) TRC	06/24/2011-01/09/2014	10	0.01	0.1379	0.553	2.59	HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/24/2011-01/09/2014	10	<0.005		<0.005		HIGHEST
		<0.005	MOLYBDENUM (MO) TRC	06/24/2011-01/09/2014	10	<0.005		<0.005		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/24/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		0.048	ZINC (ZN) TRC	06/24/2011-01/09/2014	10	<0.01		0.048		HIGHEST
SW-2	01/09/2014	156.0	CALCIUM (CA) DIS	06/15/2011-01/09/2014	11	40.0	109.5455	156.0	1.18	HIGHEST
		162.0	CALCIUM (CA) TRC	06/15/2011-01/09/2014	11	45	110.9091	162	1.32	HIGHEST
		770.0	TOTAL ALKALINITY AS CACO3	06/15/2011-01/09/2014	11	480.0	599.0909	770.0	2.08	HIGHEST
		940.0	BICARBONATE (HCO3)	06/15/2011-01/09/2014	11	520.0	638.1818	940.0	2.62	HIGHEST
		27.0	CHLORIDE (CL)	06/15/2011-01/09/2014	11	11.0	16.7273	27.0	1.98	HIGHEST
		0.8	FLUORIDE (F)	06/15/2011-01/09/2014	11	0.5	0.6273	0.8	1.56	HIGHEST
		0.003	ARSENIC (AS) TRC	06/15/2011-01/09/2014	11	<0.003		<0.003		HIGHEST
		0.79	BORON (B) TRC	06/15/2011-01/09/2014	11	0.25	0.4582	0.79	1.89	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-01/09/2014	11	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-01/09/2014	11	<0.001		0.001		HIGHEST
		0.002	SELENIUM (SE) TRC	06/15/2011-01/09/2014	11	<0.001		0.002		HIGHEST
SW-16	01/09/2014	151.0	CALCIUM (CA) DIS	06/15/2011-01/09/2014	10	51.0	115.4000	151.0	1.05	HIGHEST
		159.0	CALCIUM (CA) TRC	06/15/2011-01/09/2014	10	55	116.1000	159	1.27	HIGHEST
		740.0	TOTAL ALKALINITY AS CACO3	06/15/2011-01/09/2014	10	500.0	590.0000	740.0	2.05	HIGHEST
		910.0	BICARBONATE (HCO3)	06/15/2011-01/09/2014	10	520.0	642.0000	910.0	2.51	HIGHEST
		23.0	CHLORIDE (CL)	06/15/2011-01/09/2014	10	9.0	15.7000	23.0	1.64	HIGHEST
		0.8	FLUORIDE (F)	06/15/2011-01/09/2014	10	0.5	0.6100	0.8	1.91	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-01/09/2014	10	0.005		0.009		LOWEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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TABLE 5

SUMMARY OF THE COMPARISON OF SAMPLING PERIOD DATA TO THE DATABASE PERIOD DATA, SHOWING PARAMETERS THAT ARE HIGHEST OR OR LOWEST OR THREE OR MORE STANDARD DEVATIONS FROM THE MEAN OF THE DATABASE PERIOD AND THE RELATIONSHIP TO THESE DATA

DataMan Program

OTTER CREEK COAL summary of statistics

SITE	SAMPLE DATE	RESULT mg/L	PARAMETER	COMPARISON DATABASE PERIOD	N	MIN (mg/L)	MEAN (mg/L)	MAX (mg/L)	STD DEVS FROM MEAN	RELATION TO DATABASE PERIOD
SW-16	01/09/2014	160.0	CALCIUM (CA) TRC	06/15/2011-01/09/2014	10	55	116.1000	159	1.30	HIGHEST
		740.0	TOTAL ALKALINITY AS CACO3	06/15/2011-01/09/2014	10	500.0	590.0000	740.0	2.05	HIGHEST
		910.0	BICARBONATE (HCO3)	06/15/2011-01/09/2014	10	520.0	642.0000	910.0	2.51	HIGHEST
		0.065	ALUMINUM (AL) TRC	06/15/2011-01/09/2014	10	0.070	0.1370	0.2	1.31	LOWEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	CHROMIUM (CR) TRC	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.005	MOLYBDENUM (MO) DIS	06/15/2011-01/09/2014	10	0.005		0.009		LOWEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		0.015	ZINC (ZN) TRC	06/15/2011-01/09/2014	10	<0.008		<0.01		HIGHEST
SW-22	01/09/2014	3960.0	SC (UMHOS/CM AT 25 C)	06/15/2011-01/09/2014	10	3330.0	3614.0000	3960.0	1.60	HIGHEST
		3230.0	TDS (MEASURED AT 180 C)	06/15/2011-01/09/2014	10	2580.0	2868.0000	3230.0	1.54	HIGHEST
		156.0	CALCIUM (CA) DIS	06/15/2011-01/09/2014	10	56.0	122.0000	156.0	1.07	HIGHEST
		164.0	CALCIUM (CA) TRC	06/15/2011-01/09/2014	10	55	124.0000	164	1.25	HIGHEST
		720.0	TOTAL ALKALINITY AS CACO3	06/15/2011-01/09/2014	10	490.0	580.0000	720.0	1.96	HIGHEST
		880.0	BICARBONATE (HCO3)	06/15/2011-01/09/2014	10	420.0	631.0000	880.0	1.97	HIGHEST
		21.0	CHLORIDE (CL)	06/15/2011-01/09/2014	10	5.0	14.9000	21.0	1.29	HIGHEST
		0.7	FLUORIDE (F)	06/15/2011-01/09/2014	10	0.5	0.5900	0.7	1.49	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/15/2011-01/09/2014	10	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/15/2011-01/09/2014	10	0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) TRC	06/15/2011-01/09/2014	10	0.001		0.003		LOWEST
		<0.001	SELENIUM (SE) DIS	06/15/2011-01/09/2014	10	0.001		<0.001		HIGHEST
		<0.001	SELENIUM (SE) TRC	06/15/2011-01/09/2014	10	0.001		<0.001		HIGHEST
SW-25	01/09/2014	156.0	CALCIUM (CA) DIS	06/13/2013-01/09/2014	3	49.0	100.3333	156.0	1.04	HIGHEST
		165.0	CALCIUM (CA) TRC	06/13/2013-01/09/2014	3	48	104.0000	165	1.04	HIGHEST
		790.0	TOTAL ALKALINITY AS CACO3	06/13/2013-01/09/2014	3	490.0	640.0000	790.0	1.00	HIGHEST
		960.0	BICARBONATE (HCO3)	06/13/2013-01/09/2014	3	500.0	703.3333	960.0	1.09	HIGHEST
		26.0	CHLORIDE (CL)	06/13/2013-01/09/2014	3	12.0	16.6667	26.0	1.15	HIGHEST
		0.8	FLUORIDE (F)	06/13/2013-01/09/2014	3	0.5	0.6667	0.8	0.87	HIGHEST
		0.26	NITRATE + NITRITE AS N	06/13/2013-01/09/2014	3	0.01	0.0933	0.26	1.15	HIGHEST
		0.046	BARIUM (BA) DIS	06/13/2013-01/09/2014	3	0.035	0.0417	0.046	0.74	HIGHEST
		0.77	BORON (B) DIS	06/13/2013-01/09/2014	3	0.49	0.6000	0.77	1.14	HIGHEST
		0.8	BORON (B) TRC	06/13/2013-01/09/2014	3	0.48	0.6067	0.8	1.14	HIGHEST
		<0.001	CHROMIUM (CR) DIS	06/13/2013-01/09/2014	3	<0.001		<0.001		HIGHEST
		<0.001	COPPER (CU) DIS	06/13/2013-01/09/2014	3	<0.001		<0.001		HIGHEST
		0.06	IRON (FE) DIS	06/13/2013-01/09/2014	3	<0.05		0.06		HIGHEST
		0.147	MANGANESE (MN) DIS	06/13/2013-01/09/2014	3	0.053	0.0853	0.147	1.15	HIGHEST
		0.158	MANGANESE (MN) TRC	06/13/2013-01/09/2014	3	0.083	0.1100	0.158	1.15	HIGHEST
		<0.00005	MERCURY (HG) DIS	06/13/2013-01/09/2014	3	<0.00005		<0.00005		HIGHEST
		<0.00005	MERCURY (HG) TOT	06/13/2013-01/09/2014	3	<0.00005		<0.00005		HIGHEST
		0.008	MOLYBDENUM (MO) DIS	06/13/2013-01/09/2014	3	<0.005	0.0067	0.008	0.87	HIGHEST
		0.008	MOLYBDENUM (MO) TRC	06/13/2013-01/09/2014	3	<0.005	0.0067	0.008	0.87	HIGHEST
		0.002	SELENIUM (SE) DIS	06/13/2013-01/09/2014	3	<0.001		0.002		HIGHEST
		0.002	SELENIUM (SE) TRC	06/13/2013-01/09/2014	3	<0.001		0.002		HIGHEST

NOTES: All quantities in mg/L (Water) or mg/kg (Soil) unless noted. All results LABORATORY unless field (FLD) or calculated (CALC).
N: Number of samples in comparison data set; 50% of data set must be above lab detection limit before mean, median, & SD calculation.
A & R Flags were excluded from Statistics The detection limit was used in calculations.

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SUMMARY ANALYSES REPORT

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	01/09/2014
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	4010145013
SAMPLE NUMBER	OCC-1401-205
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	3.01
PH (FLD)	7.96
PH	7.8
SODIUM ADSORPTION RATIO	5.81
SC (UMHOS/CM AT 25 C)	4250.0
SC (UMHOS/CM AT 25 C) (FLD)	3850.0
TDS (MEASURED AT 180 C)	3450.0
TOTAL SUSPENDED SOLIDS	12.0
TURBIDITY (NTU)	12.9
WATER TEMPERATURE (FLD)	0.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	156.0
CALCIUM (CA) TRC	162.0
MAGNESIUM (MG) DIS	277.0
MAGNESIUM (MG) TRC	292.0
SODIUM (NA) DIS	523.0
SODIUM (NA) TRC	532.0
POTASSIUM (K) DIS	23.0
POTASSIUM (K) TRC	24.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1900.0
CHLORIDE (CL)	27.0
FLUORIDE (F)	0.8
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.26
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ALUMINUM (AL) TRC	0.536
ARSENIC (AS) DIS	0.001
ARSENIC (AS) TRC	0.003
BARIUM (BA) DIS	0.023
BARIUM (BA) TRC	0.052
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.39
BORON (B) TRC	0.79
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.00004
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	<0.02
IRON (FE) TRC	0.9
LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	0.0007
MANGANESE (MN) DIS	0.076
MANGANESE (MN) TRC	0.164

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-2
SAMPLE DATE	01/09/2014
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	4010145013
SAMPLE NUMBER	OCC-1401-205

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	0.008
NICKEL (NI) DIS	<0.002
NICKEL (NI) TRC	<0.004
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	<0.008
ZINC (ZN) TRC	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-8
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:05
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-856

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-9
SAMPLE DATE	01/07/2014
SAMPLE TIME	15:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-853

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-10
SAMPLE DATE	01/07/2014
SAMPLE TIME	15:05
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-854

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-11
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:10
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-857

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-12
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:15
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-858

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	01/09/2014	01/09/2014
SAMPLE TIME	10:20	10:30
LAB	EL	EL
LAB NUMBER	4010145014	4010145015
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1401-206	OCC-1401-207
-- PHYSICAL PARAMETERS --		
FLOW (cfs)	1.43	
PH (FLD)	7.97	
PH	7.9	7.9
SODIUM ADSORPTION RATIO	5.72	5.67
SC (UMHOS/CM AT 25 C)	4150.0	4150.0
SC (UMHOS/CM AT 25 C) (FLD)	3960.0	
TDS (MEASURED AT 180 C)	3250.0	3400.0
TOTAL SUSPENDED SOLIDS	5.0	5.0
TURBIDITY (NTU)	5.1	4.7
WATER TEMPERATURE (FLD)	0.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	151.0	150.0
CALCIUM (CA) TRC	159.0	160.0
MAGNESIUM (MG) DIS	266.0	264.0
MAGNESIUM (MG) TRC	283.0	284.0
SODIUM (NA) DIS	504.0	498.0
SODIUM (NA) TRC	533.0	526.0
POTASSIUM (K) DIS	22.0	22.0
POTASSIUM (K) TRC	23.0	22.0
TOTAL ALKALINITY AS CACO3	740.0	740.0
BICARBONATE (HCO3)	910.0	910.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	1800.0	1900.0
CHLORIDE (CL)	23.0	22.0
FLUORIDE (F)	0.8	0.7
-- NUTRIENTS --		
NITRATE + NITRITE AS N	0.27	0.27
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ALUMINUM (AL) TRC	0.07	0.065
ARSENIC (AS) DIS	0.001	0.001
ARSENIC (AS) TRC	0.001	0.001
BARIUM (BA) DIS	0.022	0.022
BARIUM (BA) TRC	0.024	0.023
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BERYLLIUM (BE) TRC	<0.0008	<0.0008
BORON (B) DIS	0.38	0.38
BORON (B) TRC	0.39	0.39
CADMIUM (CD) DIS	<0.00003	<0.00003
CADMIUM (CD) TRC	<0.00004	<0.00004
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	<0.001	<0.001
IRON (FE) DIS	<0.02	0.02
IRON (FE) TRC	0.25	0.25
LEAD (PB) DIS	<0.0003	<0.0003
LEAD (PB) TRC	<0.0003	<0.0003
MANGANESE (MN) DIS	0.097	0.104

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-16	SW-16
SAMPLE DATE	01/09/2014	01/09/2014
SAMPLE TIME	10:20	10:30
LAB	EL	EL
LAB NUMBER	4010145014	4010145015
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1401-206	OCC-1401-207
-- METALS & MINOR CONSTITUENTS --		
MANGANESE (MN) TRC	0.102	0.103
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	<0.00005
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	<0.005
NICKEL (NI) DIS	<0.002	<0.002
NICKEL (NI) TRC	<0.002	<0.002
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	<0.001
VANADIUM (V) DIS	<0.01	<0.01
VANADIUM (V) TRC	<0.01	<0.01
ZINC (ZN) DIS	<0.008	<0.008
ZINC (ZN) TRC	<0.008	0.015

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-17
SAMPLE DATE	01/09/2014
SAMPLE TIME	07:50
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-860

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-18
SAMPLE DATE	01/07/2014
SAMPLE TIME	14:55
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-852

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-19
SAMPLE DATE	01/07/2014
SAMPLE TIME	14:35
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-851

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-20
SAMPLE DATE	01/07/2014
SAMPLE TIME	14:25
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-850

-- PHYSICAL PARAMETERS --

FLOW (cfs)	FROZEN

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	01/09/2014
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	4010145017
SAMPLE NUMBER	OCC-1401-209

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.0
PH	7.9
SODIUM ADSORPTION RATIO	5.35
SC (UMHOS/CM AT 25 C)	3960.0
SC (UMHOS/CM AT 25 C) (FLD)	3780.0
TDS (MEASURED AT 180 C)	3230.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	3.7
WATER TEMPERATURE (FLD)	0.9

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	156.0
CALCIUM (CA) TRC	164.0
MAGNESIUM (MG) DIS	263.0
MAGNESIUM (MG) TRC	280.0
SODIUM (NA) DIS	472.0
SODIUM (NA) TRC	489.0
POTASSIUM (K) DIS	20.0
POTASSIUM (K) TRC	21.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	21.0
FLUORIDE (F)	0.7

-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.22

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.016
ALUMINUM (AL) TRC	0.056
ARSENIC (AS) DIS	<0.001
ARSENIC (AS) TRC	0.001
BARIUM (BA) DIS	0.026
BARIUM (BA) TRC	0.028
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.34
BORON (B) TRC	0.35
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.00003
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.02
IRON (FE) TRC	0.21
LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	<0.0003
MANGANESE (MN) DIS	0.275
MANGANESE (MN) TRC	0.281

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-22
SAMPLE DATE	01/09/2014
SAMPLE TIME	11:45
LAB	EL
LAB NUMBER	4010145017
SAMPLE NUMBER	OCC-1401-209

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.002
NICKEL (NI) TRC	<0.002
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	<0.008
ZINC (ZN) TRC	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A1	A1
SAMPLE DATE	10/22/2013	11/21/2013
SAMPLE TIME	14:25	09:00
LAB	HYDRO	EL
LAB NUMBER		3110493011
REMARKS	NO SAMPLE	
SAMPLE NUMBER	OCC-1310-101	OCC-1311-150
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	9.07	9.12
PH (FLD)		7.89
PH		7.8
SODIUM ADSORPTION RATIO		9.28
SC (UMHOS/CM AT 25 C)		2470.0
SC (UMHOS/CM AT 25 C) (FLD)		2311.0
TDS (MEASURED AT 180 C)		1550.0
WATER TEMPERATURE (FLD)		11.4
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS		41.0
MAGNESIUM (MG) DIS		64.0
SODIUM (NA) DIS		408.0
POTASSIUM (K) DIS		21.0
TOTAL ALKALINITY AS CACO3		720.0
BICARBONATE (HCO3)		880.0
CARBONATE AS CO3		<1.0
SULFATE (SO4)		510.0
CHLORIDE (CL)		77.0
FLUORIDE (F)		2.8
HYDROXIDE (OH)		<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N		1.34
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS		<0.009
ARSENIC (AS) DIS		0.041
BARIUM (BA) DIS		0.018
BERYLLIUM (BE) DIS		<0.0008
BORON (B) DIS		0.4
CADMIUM (CD) DIS		<0.00003
CHROMIUM (CR) DIS		0.01
COPPER (CU) DIS		<0.001
IRON (FE) DIS		<0.02
LEAD (PB) DIS		<0.0003
MANGANESE (MN) DIS		<0.005
MERCURY (HG) DIS		0.00002
MOLYBDENUM (MO) DIS		0.011
NICKEL (NI) DIS		<0.002
SELENIUM (SE) DIS		0.005
VANADIUM (V) DIS		0.28
ZINC (ZN) DIS		<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A3
SAMPLE DATE	12/13/2013
SAMPLE TIME	11:20
LAB	EL
LAB NUMBER	3120229017
SAMPLE NUMBER	OCC-1312-116
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	7.04
PH (FLD)	7.44
PH	7.4
SODIUM ADSORPTION RATIO	5.61
SC (UMHOS/CM AT 25 C)	3430.0
SC (UMHOS/CM AT 25 C) (FLD)	2375.0
TDS (MEASURED AT 180 C)	2600.0
WATER TEMPERATURE (FLD)	10.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	122.0
MAGNESIUM (MG) DIS	181.0
SODIUM (NA) DIS	418.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1500.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.005
BARIUM (BA) DIS	0.014
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.51
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	2.28
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.239
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A4
SAMPLE DATE	01/07/2014
SAMPLE TIME	17:05
LAB	EL
LAB NUMBER	4010147007
SAMPLE NUMBER	OCC-1401-806
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.6
PH (FLD)	7.84
PH	7.7
SODIUM ADSORPTION RATIO	4.92
SC (UMHOS/CM AT 25 C)	3100.0
SC (UMHOS/CM AT 25 C) (FLD)	3240.0
TDS (MEASURED AT 180 C)	2380.0
WATER TEMPERATURE (FLD)	9.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	108.0
MAGNESIUM (MG) DIS	190.0
SODIUM (NA) DIS	366.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.02
	UJ4D
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	1.31
MERCURY (HG) DIS	<0.00005
MOLYBDENUM (MO) DIS	0.007
NICKEL (NI) DIS	<0.004
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A5
SAMPLE DATE	01/07/2014
SAMPLE TIME	11:32
LAB	EL
LAB NUMBER	4010145001
SAMPLE NUMBER	OCC-1401-100

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	6.79
PH (FLD)	7.45
PH	7.4
SODIUM ADSORPTION RATIO	5.84
SC (UMHOS/CM AT 25 C)	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	3350.0
TDS (MEASURED AT 180 C)	2610.0
WATER TEMPERATURE (FLD)	9.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	147.0
MAGNESIUM (MG) DIS	185.0
SODIUM (NA) DIS	451.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	680.0
BICARBONATE (HCO3)	830.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.06
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.3
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.23
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	A6
SAMPLE DATE	11/22/2013
SAMPLE TIME	10:40
LAB	EL
LAB NUMBER	3110493007
SAMPLE NUMBER	OCC-1311-108

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	9.15
PH (FLD)	7.0
PH	7.6
SODIUM ADSORPTION RATIO	8.85
SC (UMHOS/CM AT 25 C)	5680.0
SC (UMHOS/CM AT 25 C) (FLD)	5850.0
TDS (MEASURED AT 180 C)	4600.0
WATER TEMPERATURE (FLD)	10.4

-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	166.0
MAGNESIUM (MG) DIS	305.0
SODIUM (NA) DIS	831.0
POTASSIUM (K) DIS	25.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	940.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2800.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0

-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.42
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.02
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	1.04
MERCURY (HG) DIS	0.00002
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	A7
SAMPLE DATE	11/22/2013
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	3110493008
SAMPLE NUMBER	OCC-1311-109
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	10.18
PH (FLD)	7.27
PH	7.6
SODIUM ADSORPTION RATIO	6.55
SC (UMHOS/CM AT 25 C)	4200.0
SC (UMHOS/CM AT 25 C) (FLD)	4120.0
TDS (MEASURED AT 180 C)	3110.0
WATER TEMPERATURE (FLD)	7.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	137.0
MAGNESIUM (MG) DIS	212.0
SODIUM (NA) DIS	525.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.41
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	5.12
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.506
MERCURY (HG) DIS	0.00002
MOLYBDENUM (MO) DIS	0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF1-2
SAMPLE DATE	01/07/2014
SAMPLE TIME	16:04
LAB	EL
LAB NUMBER	4010147006
SAMPLE NUMBER	OCC-1401-805
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	8.95
PH (FLD)	7.73
PH	7.6
SODIUM ADSORPTION RATIO	5.38
SC (UMHOS/CM AT 25 C)	1720.0
SC (UMHOS/CM AT 25 C) (FLD)	1770.0
TDS (MEASURED AT 180 C)	1150.0
WATER TEMPERATURE (FLD)	7.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	51.0
MAGNESIUM (MG) DIS	66.0
SODIUM (NA) DIS	246.0
POTASSIUM (K) DIS	15.0
TOTAL ALKALINITY AS CACO3	510.0
BICARBONATE (HCO3)	620.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	480.0
CHLORIDE (CL)	8.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.022
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.55
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.6
	J4D
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.181
MERCURY (HG) DIS	0.00001
MOLYBDENUM (MO) DIS	0.01
NICKEL (NI) DIS	<0.003
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF2-2
SAMPLE DATE	12/13/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3120229019
SAMPLE NUMBER	OCC-1312-118
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	5.53
PH (FLD)	7.57
PH	7.5
SODIUM ADSORPTION RATIO	6.21
SC (UMHOS/CM AT 25 C)	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	2345.0
TDS (MEASURED AT 180 C)	2550.0
WATER TEMPERATURE (FLD)	9.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	109.0
MAGNESIUM (MG) DIS	172.0
SODIUM (NA) DIS	447.0
POTASSIUM (K) DIS	23.0
TOTAL ALKALINITY AS CACO3	500.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1600.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.56
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.5
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.727
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-1	AVF3-1	AVF3-1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	09:46	12:10	11:13
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-102	OCC-1311-159	OCC-1401-823
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	10.7	10.63	10.41

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-2	AVF3-2	AVF3-2
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	09:46	13:00	11:12
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493015	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-103	OCC-1311-154	OCC-1401-824
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	11.26	11.15	10.93
PH (FLD)		7.48	
PH		7.5	
SODIUM ADSORPTION RATIO		6.29	
SC (UMHOS/CM AT 25 C)		5080.0	
SC (UMHOS/CM AT 25 C) (FLD)		4834.0	
TDS (MEASURED AT 180 C)		4250.0	
WATER TEMPERATURE (FLD)		9.8	
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		202.0	
MAGNESIUM (MG) DIS		321.0	
SODIUM (NA) DIS		618.0	
POTASSIUM (K) DIS		23.0	
TOTAL ALKALINITY AS CACO3		720.0	
BICARBONATE (HCO3)		870.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		2500.0	
CHLORIDE (CL)		26.0	
FLUORIDE (F)		0.6	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		<0.01	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		<0.009	
ARSENIC (AS) DIS		0.003	
BARIUM (BA) DIS		0.02	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.35	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		1.62	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		1.58	
MERCURY (HG) DIS		<0.00002	
MOLYBDENUM (MO) DIS		<0.005	
NICKEL (NI) DIS		<0.002	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-3	AVF3-3	AVF3-3
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	10:18	12:40	11:30
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-107	OCC-1311-160	OCC-1401-825
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	23.88	23.81	23.63

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-4	AVF3-4	AVF3-4
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	10:20	11:30	10:04
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-108	OCC-1311-161	OCC-1401-826
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	8.53	8.46	8.28

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-P1	AVF3-P1	AVF3-P1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	09:43	12:00	11:10
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493010	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-104	OCC-1311-103	OCC-1401-815
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	10.82	10.89	10.38
PH (FLD)	7.6	7.32	7.63
PH		7.6	
SODIUM ADSORPTION RATIO		7.14	
SC (UMHOS/CM AT 25 C)		5720.0	
SC (UMHOS/CM AT 25 C) (FLD)	5650.0	5720.0	5090.0
TDS (MEASURED AT 180 C)		4940.0	
WATER TEMPERATURE (FLD)	12.0	9.0	4.8
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		333.0	
MAGNESIUM (MG) DIS		273.0	
SODIUM (NA) DIS		725.0	
POTASSIUM (K) DIS		22.0	
TOTAL ALKALINITY AS CACO3		920.0	
BICARBONATE (HCO3)		1100.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		2800.0	
CHLORIDE (CL)		77.0	
FLUORIDE (F)		0.6	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.05	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.032	
ARSENIC (AS) DIS		0.005	
BARIUM (BA) DIS		0.058	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.48	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		0.001	
IRON (FE) DIS		3.52	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		9.75	
MERCURY (HG) DIS		0.00003	
MOLYBDENUM (MO) DIS		0.012	
NICKEL (NI) DIS		0.019	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-P2	AVF3-P2	AVF3-P2
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	10:46	11:40	10:35
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493014	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-105	OCC-1311-153	OCC-1401-814
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	6.47	6.36	6.09
PH (FLD)	7.53	7.35	7.52
PH		7.3	
SODIUM ADSORPTION RATIO		9.74	
SC (UMHOS/CM AT 25 C)		9660.0	
SC (UMHOS/CM AT 25 C) (FLD)	7680.0	8990.0	8790.0
TDS (MEASURED AT 180 C)		9020.0	
WATER TEMPERATURE (FLD)	13.4	10.3	6.0
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		319.0	
MAGNESIUM (MG) DIS		669.0	
SODIUM (NA) DIS		1330.0	
POTASSIUM (K) DIS		25.0	
TOTAL ALKALINITY AS CACO3		860.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		5500.0	
CHLORIDE (CL)		74.0	
FLUORIDE (F)		0.7	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		<0.01	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.013	
ARSENIC (AS) DIS		0.002	
BARIUM (BA) DIS		0.02	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.53	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		0.001	
IRON (FE) DIS		1.12	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		4.79	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.007	
NICKEL (NI) DIS		0.014	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF3-P3	AVF3-P3	AVF3-P3
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	10:58	11:15	10:00
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493002	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-106	OCC-1311-102	OCC-1401-813
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	7.43	7.35	7.0
PH (FLD)	7.6	7.3	7.61
PH		7.4	
SODIUM ADSORPTION RATIO		8.66	
SC (UMHOS/CM AT 25 C)		5930.0	
SC (UMHOS/CM AT 25 C) (FLD)	5430.0	6370.0	5510.0
TDS (MEASURED AT 180 C)		4740.0	
WATER TEMPERATURE (FLD)	14.9	7.3	6.3
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		192.0	
MAGNESIUM (MG) DIS		298.0	
SODIUM (NA) DIS		822.0	
POTASSIUM (K) DIS		18.0	
TOTAL ALKALINITY AS CACO3		890.0	
BICARBONATE (HCO3)		1100.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		2800.0	
CHLORIDE (CL)		47.0	
FLUORIDE (F)		0.5	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.01	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.035	
ARSENIC (AS) DIS		0.002	
BARIUM (BA) DIS		0.027	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.46	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		0.36	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		0.683	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.009	
NICKEL (NI) DIS		0.006	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		0.018	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-1	AVF4-1	AVF4-1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:53	15:16	13:23
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493019	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-109	OCC-1311-158	OCC-1401-827
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	6.9	6.55	6.37
PH (FLD)		7.54	
PH		7.4	
SODIUM ADSORPTION RATIO		8.83	
SC (UMHOS/CM AT 25 C)		6120.0	
SC (UMHOS/CM AT 25 C) (FLD)		5870.0	
TDS (MEASURED AT 180 C)		5110.0	
WATER TEMPERATURE (FLD)		9.4	
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		211.0	
MAGNESIUM (MG) DIS		432.0	
SODIUM (NA) DIS		974.0	
POTASSIUM (K) DIS		26.0	
TOTAL ALKALINITY AS CACO3		810.0	
BICARBONATE (HCO3)		990.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		3100.0	
CHLORIDE (CL)		30.0	
FLUORIDE (F)		0.8	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		<0.01	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		<0.009	
ARSENIC (AS) DIS		0.005	
BARIUM (BA) DIS		0.021	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.5	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		5.65	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		2.36	
MERCURY (HG) DIS		<0.00002	
MOLYBDENUM (MO) DIS		0.008	
NICKEL (NI) DIS		0.002	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-2	AVF4-2	AVF4-2
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	13:18	16:15	13:12
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-110	OCC-1311-162	OCC-1401-828
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	14.32	14.18	14.04

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-3	AVF4-3	AVF4-3
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:42	14:35	13:01
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-111	OCC-1311-163	OCC-1401-829
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	11.06	10.99	10.84

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-4	AVF4-4	AVF4-4
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:52	15:33	13:25
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-112	OCC-1311-164	OCC-1401-830
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	6.61	6.52	6.3

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-P1	AVF4-P1	AVF4-P1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:38	14:55	13:03
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493005	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-113	OCC-1311-106	OCC-1401-822
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	12.8	12.79	12.6
PH (FLD)	8.12	8.0	7.03
PH		8.0	
SODIUM ADSORPTION RATIO		15.4	
SC (UMHOS/CM AT 25 C)		6310.0	
SC (UMHOS/CM AT 25 C) (FLD)	5970.0	6680.0	5720.0
TDS (MEASURED AT 180 C)		4640.0	
WATER TEMPERATURE (FLD)	16.0	5.5	10.1
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		42.0	
MAGNESIUM (MG) DIS		233.0	
SODIUM (NA) DIS		1150.0	
POTASSIUM (K) DIS		25.0	
TOTAL ALKALINITY AS CACO3		900.0	
BICARBONATE (HCO3)		1100.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		2800.0	
CHLORIDE (CL)		42.0	
FLUORIDE (F)		1.3	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		2.38	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.038	
ARSENIC (AS) DIS		0.001	
BARIUM (BA) DIS		0.011	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		1.37	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		0.001	
IRON (FE) DIS		<0.02	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		0.038	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.027	
NICKEL (NI) DIS		<0.002	
SELENIUM (SE) DIS		0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-P2	AVF4-P2	AVF4-P2
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:50	15:10	13:27
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493018	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-114	OCC-1311-157	OCC-1401-831
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	7.09	6.99	6.82
PH (FLD)	7.58	7.48	
PH		7.4	
SODIUM ADSORPTION RATIO		9.02	
SC (UMHOS/CM AT 25 C)		7010.0	
SC (UMHOS/CM AT 25 C) (FLD)	5970.0	6560.0	
TDS (MEASURED AT 180 C)		5920.0	
WATER TEMPERATURE (FLD)	16.9	9.8	
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		220.0	
MAGNESIUM (MG) DIS		443.0	
SODIUM (NA) DIS		1010.0	
POTASSIUM (K) DIS		26.0	
TOTAL ALKALINITY AS CACO3		850.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		3700.0	
CHLORIDE (CL)		32.0	
FLUORIDE (F)		0.9	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		<0.01	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		<0.009	
ARSENIC (AS) DIS		0.002	
BARIUM (BA) DIS		0.025	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.52	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		0.91	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		2.91	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.016	
NICKEL (NI) DIS		0.009	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF4-P3	AVF4-P3	AVF4-P3
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	13:17	16:00	13:10
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-115	OCC-1311-165	OCC-1401-817
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	DRY	DRY	14.43
PH (FLD)			7.8
SC (UMHOS/CM AT 25 C) (FLD)			4230.0
WATER TEMPERATURE (FLD)			7.1

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF5-1
SAMPLE DATE	11/22/2013
SAMPLE TIME	09:00
LAB	EL
LAB NUMBER	3110493006
SAMPLE NUMBER	OCC-1311-107
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	13.31
PH (FLD)	6.86
PH	7.5
SODIUM ADSORPTION RATIO	3.08
SC (UMHOS/CM AT 25 C)	1700.0
SC (UMHOS/CM AT 25 C) (FLD)	1730.0
TDS (MEASURED AT 180 C)	1090.0
WATER TEMPERATURE (FLD)	7.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	83.0
MAGNESIUM (MG) DIS	87.0
SODIUM (NA) DIS	168.0
POTASSIUM (K) DIS	13.0
TOTAL ALKALINITY AS CACO3	470.0
BICARBONATE (HCO3)	570.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	490.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	1.27
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.023
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.67
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.02
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.059
MERCURY (HG) DIS	0.00002
MOLYBDENUM (MO) DIS	0.008
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF6-3
SAMPLE DATE	12/12/2013
SAMPLE TIME	17:00
LAB	EL
LAB NUMBER	3120229014
SAMPLE NUMBER	OCC-1312-113
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	12.82
PH (FLD)	7.5
PH	7.6
SODIUM ADSORPTION RATIO	6.73
SC (UMHOS/CM AT 25 C)	3110.0
SC (UMHOS/CM AT 25 C) (FLD)	2189.0
TDS (MEASURED AT 180 C)	2190.0
WATER TEMPERATURE (FLD)	11.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	103.0
MAGNESIUM (MG) DIS	130.0
SODIUM (NA) DIS	435.0
POTASSIUM (K) DIS	22.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	760.0
CARBONATE AS CO3	5.0
	J4D
SULFATE (SO4)	1200.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.82
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.007
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.49
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.02
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.167
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	0.003
VANADIUM (V) DIS	0.09
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P1	AVF7-P1	AVF7-P1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	07:55	10:40	09:00
LAB	HYRDO	EL	HYDRO
LAB NUMBER		3110493013	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-116	OCC-1311-152	OCC-1401-811
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	12.23	12.22	12.04
PH (FLD)	7.71	7.63	7.83
PH		7.6	
SODIUM ADSORPTION RATIO		9.29	
SC (UMHOS/CM AT 25 C)		4720.0	
SC (UMHOS/CM AT 25 C) (FLD)	4428.0	4458.0	4820.0
TDS (MEASURED AT 180 C)		3520.0	
WATER TEMPERATURE (FLD)	11.0	9.5	7.9
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		104.0	
MAGNESIUM (MG) DIS		222.0	
SODIUM (NA) DIS		732.0	
POTASSIUM (K) DIS		29.0	
TOTAL ALKALINITY AS CACO3		870.0	
BICARBONATE (HCO3)		1100.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		1900.0	
CHLORIDE (CL)		40.0	
FLUORIDE (F)		0.8	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.3	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.011	
ARSENIC (AS) DIS		<0.001	
BARIUM (BA) DIS		0.024	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.53	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		0.001	
IRON (FE) DIS		<0.02	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		0.094	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.005	
NICKEL (NI) DIS		<0.002	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P2	AVF7-P2	AVF7-P2
SAMPLE DATE	10/22/2013	11/22/2013	01/08/2014
SAMPLE TIME	07:35	14:00	09:25
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493009	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-117	OCC-1311-101	OCC-1401-812
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	13.74	13.66	13.57
PH (FLD)	8.05	7.5	8.11
PH		7.8	
SODIUM ADSORPTION RATIO		11.3	
SC (UMHOS/CM AT 25 C)		4130.0	
SC (UMHOS/CM AT 25 C) (FLD)	4021.0	4730.0	3890.0
TDS (MEASURED AT 180 C)		2900.0	
WATER TEMPERATURE (FLD)	11.1	5.5	4.0
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		70.0	
MAGNESIUM (MG) DIS		134.0	
SODIUM (NA) DIS		698.0	
POTASSIUM (K) DIS		25.0	
TOTAL ALKALINITY AS CACO3		820.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		1500.0	
CHLORIDE (CL)		29.0	
FLUORIDE (F)		1.3	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.65	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.029	
ARSENIC (AS) DIS		0.001	
BARIUM (BA) DIS		0.042	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.55	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		0.11	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		0.981	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.03	
NICKEL (NI) DIS		0.006	
SELENIUM (SE) DIS		0.002	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P3	AVF7-P3	AVF7-P3
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	08:05	09:35	08:45
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493001	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-118	OCC-1311-100	OCC-1401-810
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	5.86	6.68	5.6
PH (FLD)	7.82	7.0	7.8
PH		7.5	
SODIUM ADSORPTION RATIO		12.4	
SC (UMHOS/CM AT 25 C)		8420.0	
SC (UMHOS/CM AT 25 C) (FLD)	7940.0	8840.0	8400.0
TDS (MEASURED AT 180 C)		7150.0	
WATER TEMPERATURE (FLD)	10.3	8.6	6.1
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		182.0	
MAGNESIUM (MG) DIS		461.0	
SODIUM (NA) DIS		1380.0	
POTASSIUM (K) DIS		30.0	
TOTAL ALKALINITY AS CACO3		840.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		4700.0	
CHLORIDE (CL)		37.0	
FLUORIDE (F)		0.9	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.02	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.132	
ARSENIC (AS) DIS		0.002	
BARIUM (BA) DIS		0.025	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.75	
CADMIUM (CD) DIS		0.00005	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		0.001	
IRON (FE) DIS		0.13	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		5.78	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.009	
NICKEL (NI) DIS		0.015	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		0.031	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF7-P4	AVF7-P4	AVF7-P4
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	09:06	10:00	08:20
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493012	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-119	OCC-1311-151	OCC-1401-809
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	6.71	6.67	6.11
PH (FLD)	7.49	7.39	7.98
PH		7.3	
SODIUM ADSORPTION RATIO		14.1	
SC (UMHOS/CM AT 25 C)		11000.0	
SC (UMHOS/CM AT 25 C) (FLD)	9460.0	10710.0	10200.0
TDS (MEASURED AT 180 C)		10100.0	
WATER TEMPERATURE (FLD)	11.4	9.4	4.9
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		270.0	
MAGNESIUM (MG) DIS		701.0	
SODIUM (NA) DIS		1940.0	
POTASSIUM (K) DIS		26.0	
TOTAL ALKALINITY AS CACO3		840.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		6900.0	
CHLORIDE (CL)		33.0	
FLUORIDE (F)		1.1	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.12	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.015	
ARSENIC (AS) DIS		0.007	
BARIUM (BA) DIS		0.027	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.67	
CADMIUM (CD) DIS		<0.00003	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		6.94	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		7.32	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.008	
NICKEL (NI) DIS		0.023	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		0.014	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P1	AVF8-P1	AVF8-P1
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	11:18	13:28	12:00
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-120	OCC-1311-166	OCC-1401-819
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P2	AVF8-P2	AVF8-P2
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	11:18	13:33	12:05
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-121	OCC-1311-167	OCC-1401-820
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P3	AVF8-P3	AVF8-P3	AVF8-P3
SAMPLE DATE	10/22/2013	11/21/2013	11/21/2013	01/08/2014
SAMPLE TIME	11:27	14:00	14:15	12:10
LAB	HYDRO	EL	EL	HYDRO
LAB NUMBER		3110493016	3110493017	
REMARKS	NO SAMPLE		DUPLICATE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-122	OCC-1311-155	OCC-1311-156	OCC-1401-821
-- PHYSICAL PARAMETERS --				
DEPTH TO WATER LEVEL (FEET)	8.36	8.25		7.95
PH (FLD)	7.61	7.49		6.46
PH		7.4	7.4	
SODIUM ADSORPTION RATIO		7.84	7.3	
SC (UMHOS/CM AT 25 C)		5540.0	5550.0	
SC (UMHOS/CM AT 25 C) (FLD)	5010.0	4973.0		4909.0
TDS (MEASURED AT 180 C)		4580.0	4630.0	
WATER TEMPERATURE (FLD)	15.8	9.1		9.8
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS		191.0	188.0	
MAGNESIUM (MG) DIS		340.0	331.0	
SODIUM (NA) DIS		780.0	719.0	
POTASSIUM (K) DIS		24.0	24.0	
TOTAL ALKALINITY AS CACO3		720.0	720.0	
BICARBONATE (HCO3)		870.0	880.0	
CARBONATE AS CO3		<1.0	<1.0	
SULFATE (SO4)		2900.0	2800.0	
CHLORIDE (CL)		26.0	25.0	
FLUORIDE (F)		0.7	0.7	
HYDROXIDE (OH)		<1.0	<1.0	
-- NUTRIENTS --				
NITRATE + NITRITE AS N		<0.01	0.01	
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS		<0.009	<0.009	
ARSENIC (AS) DIS		<0.001	0.001	
BARIUM (BA) DIS		0.026	0.027	
BERYLLIUM (BE) DIS		<0.0008	<0.0008	
BORON (B) DIS		0.51	0.51	
CADMIUM (CD) DIS		<0.00003	<0.00003	
CHROMIUM (CR) DIS		<0.001	<0.001	
COPPER (CU) DIS		<0.001	<0.001	
IRON (FE) DIS		0.31	0.32	
LEAD (PB) DIS		<0.0003	<0.0003	
MANGANESE (MN) DIS		3.24	3.4	
MERCURY (HG) DIS		<0.00002	<0.00002	
MOLYBDENUM (MO) DIS		0.01	0.01	
NICKEL (NI) DIS		0.008	0.008	
SELENIUM (SE) DIS		<0.001	<0.001	
VANADIUM (V) DIS		<0.01	<0.01	
ZINC (ZN) DIS		<0.008	0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P4	AVF8-P4	AVF8-P4
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:08	13:20	12:20
LAB	HYDRO	EL	HYDRO
LAB NUMBER		3110493003	
REMARKS	NO SAMPLE		NO SAMPLE
SAMPLE NUMBER	OCC-1310-123	OCC-1311-104	OCC-1401-816
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	9.31	9.16	8.93
PH (FLD)	7.78	7.63	7.91
PH		7.7	
SODIUM ADSORPTION RATIO		9.5	
SC (UMHOS/CM AT 25 C)		6690.0	
SC (UMHOS/CM AT 25 C) (FLD)	5990.0	7120.0	6380.0
TDS (MEASURED AT 180 C)		5470.0	
WATER TEMPERATURE (FLD)	16.8	6.9	7.7
-- MAJOR CONSTITUENTS --			
CALCIUM (CA) DIS		192.0	
MAGNESIUM (MG) DIS		364.0	
SODIUM (NA) DIS		972.0	
POTASSIUM (K) DIS		31.0	
TOTAL ALKALINITY AS CACO3		840.0	
BICARBONATE (HCO3)		1000.0	
CARBONATE AS CO3		<1.0	
SULFATE (SO4)		3400.0	
CHLORIDE (CL)		30.0	
FLUORIDE (F)		0.7	
HYDROXIDE (OH)		<1.0	
-- NUTRIENTS --			
NITRATE + NITRITE AS N		0.17	
-- METALS & MINOR CONSTITUENTS --			
ALUMINUM (AL) DIS		0.014	
ARSENIC (AS) DIS		0.001	
BARIUM (BA) DIS		0.029	
BERYLLIUM (BE) DIS		<0.0008	
BORON (B) DIS		0.57	
CADMIUM (CD) DIS		0.00005	
CHROMIUM (CR) DIS		<0.001	
COPPER (CU) DIS		<0.001	
IRON (FE) DIS		0.03	
LEAD (PB) DIS		<0.0003	
MANGANESE (MN) DIS		2.54	
MERCURY (HG) DIS		0.00002	
MOLYBDENUM (MO) DIS		0.02	
NICKEL (NI) DIS		0.007	
SELENIUM (SE) DIS		<0.001	
VANADIUM (V) DIS		<0.01	
ZINC (ZN) DIS		0.046	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	AVF8-P5	AVF8-P5	AVF8-P5
SAMPLE DATE	10/22/2013	11/21/2013	01/08/2014
SAMPLE TIME	12:18	13:00	12:08
LAB	HYDRO	HYDRO	HYDRO
LAB NUMBER			
REMARKS	NO SAMPLE	NO SAMPLE	NO SAMPLE
SAMPLE NUMBER	OCC-1310-124	OCC-1311-168	OCC-1401-818
-- PHYSICAL PARAMETERS --			
DEPTH TO WATER LEVEL (FEET)	DRY	DRY	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B1-U
SAMPLE DATE	12/10/2013
SAMPLE TIME	17:20
LAB	EL
LAB NUMBER	3120229003
SAMPLE NUMBER	OCC-1312-102
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	39.07
PH (FLD)	7.62
PH	7.6
SODIUM ADSORPTION RATIO	1.79
SC (UMHOS/CM AT 25 C)	1510.0
SC (UMHOS/CM AT 25 C) (FLD)	1054.0
TDS (MEASURED AT 180 C)	1070.0
WATER TEMPERATURE (FLD)	10.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	67.0
MAGNESIUM (MG) DIS	100.0
SODIUM (NA) DIS	99.0
POTASSIUM (K) DIS	20.0
TOTAL ALKALINITY AS CACO3	300.0
BICARBONATE (HCO3)	370.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	560.0
CHLORIDE (CL)	7.0
FLUORIDE (F)	1.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.62
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.031
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	1.17
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.17
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.026
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	0.018
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	0.002
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-K
SAMPLE DATE	01/08/2014
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	4010145006
SAMPLE NUMBER	OCC-1401-105
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	234.14
PH (FLD)	6.9
PH	8.1
SODIUM ADSORPTION RATIO	52.0
SC (UMHOS/CM AT 25 C)	4720.0
SC (UMHOS/CM AT 25 C) (FLD)	4644.0
TDS (MEASURED AT 180 C)	3240.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	9.0
SODIUM (NA) DIS	1150.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	29.0
SULFATE (SO4)	1400.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.012
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.17
	UJ1
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.2
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.028
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B2-U
SAMPLE DATE	01/08/2014
SAMPLE TIME	11:01
LAB	EL
LAB NUMBER	4010145007
SAMPLE NUMBER	OCC-1401-106
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	281.74
PH (FLD)	7.73
PH	8.5
SODIUM ADSORPTION RATIO	46.4
SC (UMHOS/CM AT 25 C)	1170.0
SC (UMHOS/CM AT 25 C) (FLD)	1084.0
TDS (MEASURED AT 180 C)	697.0
WATER TEMPERATURE (FLD)	16.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	292.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	700.0
CARBONATE AS CO3	34.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	35.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.003
BARIUM (BA) DIS	0.068
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.15
	UJ1
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.023
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-K
SAMPLE DATE	12/10/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3120229002
SAMPLE NUMBER	OCC-1312-101
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.3
PH (FLD)	6.7
PH	7.1
SODIUM ADSORPTION RATIO	23.5
SC (UMHOS/CM AT 25 C)	6840.0
SC (UMHOS/CM AT 25 C) (FLD)	4104.0
TDS (MEASURED AT 180 C)	4540.0
	J3
WATER TEMPERATURE (FLD)	12.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	161.0
MAGNESIUM (MG) DIS	70.0
SODIUM (NA) DIS	1420.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	900.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	3100.0
CHLORIDE (CL)	50.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.03
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.121
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.61
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.004
COPPER (CU) DIS	0.011
IRON (FE) DIS	0.98
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.123
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.004
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	0.015

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B3-U
SAMPLE DATE	12/10/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3120229001
SAMPLE NUMBER	OCC-1312-100
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	195.3
PH (FLD)	8.7
PH	8.5
SODIUM ADSORPTION RATIO	39.3
SC (UMHOS/CM AT 25 C)	1190.0
SC (UMHOS/CM AT 25 C) (FLD)	660.0
TDS (MEASURED AT 180 C)	704.0
	J3
WATER TEMPERATURE (FLD)	13.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	286.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	670.0
BICARBONATE (HCO3)	740.0
CARBONATE AS CO3	38.0
	J4D
SULFATE (SO4)	<1.0
CHLORIDE (CL)	15.0
FLUORIDE (F)	1.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.077
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.075
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-K
SAMPLE DATE	12/11/2013
SAMPLE TIME	11:50
LAB	EL
LAB NUMBER	3120229004
SAMPLE NUMBER	OCC-1312-104
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	149.97
PH (FLD)	7.41
PH	7.5
SODIUM ADSORPTION RATIO	26.5
SC (UMHOS/CM AT 25 C)	5200.0
SC (UMHOS/CM AT 25 C) (FLD)	3951.0
TDS (MEASURED AT 180 C)	3470.0
WATER TEMPERATURE (FLD)	13.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	78.0
MAGNESIUM (MG) DIS	36.0
SODIUM (NA) DIS	1130.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	840.0
BICARBONATE (HCO3)	1000.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	2100.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.014
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.011
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.23
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.66
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.069
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.003
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-O
SAMPLE DATE	12/11/2013
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	3120229006
SAMPLE NUMBER	OCC-1312-105
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	121.57
PH (FLD)	7.05
PH	7.0
SODIUM ADSORPTION RATIO	4.13
SC (UMHOS/CM AT 25 C)	4350.0
SC (UMHOS/CM AT 25 C) (FLD)	2829.0
TDS (MEASURED AT 180 C)	1330.0
WATER TEMPERATURE (FLD)	7.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	154.0
MAGNESIUM (MG) DIS	374.0
SODIUM (NA) DIS	416.0
POTASSIUM (K) DIS	11.0
TOTAL ALKALINITY AS CACO3	1100.0
BICARBONATE (HCO3)	1400.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1800.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.02
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.011
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.18
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.65
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.044
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.004
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	0.028

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B4-U
SAMPLE DATE	12/11/2013
SAMPLE TIME	10:30
LAB	EL
LAB NUMBER	3120229005
SAMPLE NUMBER	OCC-1312-103
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	182.43
PH (FLD)	8.28
PH	8.2
SODIUM ADSORPTION RATIO	43.7
SC (UMHOS/CM AT 25 C)	2220.0
SC (UMHOS/CM AT 25 C) (FLD)	1640.0
TDS (MEASURED AT 180 C)	1390.0
WATER TEMPERATURE (FLD)	10.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	7.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	508.0
POTASSIUM (K) DIS	3.0
TOTAL ALKALINITY AS CACO3	700.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	29.0
	J4D
SULFATE (SO4)	490.0
CHLORIDE (CL)	20.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.674
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.22
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-K
SAMPLE DATE	12/12/2013
SAMPLE TIME	13:00
LAB	EL
LAB NUMBER	3120229012
SAMPLE NUMBER	OCC-1312-111
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	183.12
PH (FLD)	8.18
PH	8.2
SODIUM ADSORPTION RATIO	51.5
SC (UMHOS/CM AT 25 C)	1350.0
SC (UMHOS/CM AT 25 C) (FLD)	1007.0
TDS (MEASURED AT 180 C)	804.0
WATER TEMPERATURE (FLD)	14.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	331.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	770.0
BICARBONATE (HCO3)	870.0
CARBONATE AS CO3	36.0
	J4D
SULFATE (SO4)	<1.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.14
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.086
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.08
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-O
SAMPLE DATE	12/12/2013
SAMPLE TIME	14:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1312-119

-- PHYSICAL PARAMETERS --

DEPTH TO WATER LEVEL (FEET)	142.84
PH (FLD)	7.75
SC (UMHOS/CM AT 25 C) (FLD)	1751.0
WATER TEMPERATURE (FLD)	10.5

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B5-U
SAMPLE DATE	12/12/2013
SAMPLE TIME	12:00
LAB	EL
LAB NUMBER	3120229011
SAMPLE NUMBER	OCC-1312-110
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	159.53
PH (FLD)	8.62
PH	8.6
SODIUM ADSORPTION RATIO	45.7
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	894.0
TDS (MEASURED AT 180 C)	635.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	268.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	580.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	38.0
	J4D
SULFATE (SO4)	<1.0
CHLORIDE (CL)	27.0
FLUORIDE (F)	2.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.072
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.17
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.02
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.01
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-K	B6-K
SAMPLE DATE	01/07/2014	01/07/2014
SAMPLE TIME	13:54	14:00
LAB	EL	EL
LAB NUMBER	4010145003	4010145004
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1401-102	OCC-1401-103
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	128.68	
PH (FLD)	7.96	
PH	8.3	8.3
SODIUM ADSORPTION RATIO	48.7	48.7
SC (UMHOS/CM AT 25 C)	1520.0	1520.0
SC (UMHOS/CM AT 25 C) (FLD)	1476.0	
TDS (MEASURED AT 180 C)	948.0	944.0
WATER TEMPERATURE (FLD)	14.9	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	3.0	3.0
MAGNESIUM (MG) DIS	1.0	1.0
SODIUM (NA) DIS	395.0	391.0
POTASSIUM (K) DIS	2.0	2.0
TOTAL ALKALINITY AS CACO3	870.0	870.0
BICARBONATE (HCO3)	1000.0	990.0
CARBONATE AS CO3	33.0	35.0
SULFATE (SO4)	30.0	29.0
CHLORIDE (CL)	9.0	8.0
FLUORIDE (F)	1.0	1.0
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ARSENIC (AS) DIS	<0.001	<0.001
BARIUM (BA) DIS	0.103	0.102
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BORON (B) DIS	0.13	0.13
CADMIUM (CD) DIS	<0.00003	<0.00003
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.03	0.03
LEAD (PB) DIS	<0.0003	<0.0003
MANGANESE (MN) DIS	<0.005	<0.005
MERCURY (HG) DIS	<0.00001	<0.00001
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.002	<0.002
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.01	<0.01
ZINC (ZN) DIS	<0.008	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-O
SAMPLE DATE	01/07/2014
SAMPLE TIME	12:45
LAB	EL
LAB NUMBER	4010145002
SAMPLE NUMBER	OCC-1401-101
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	95.76
PH (FLD)	7.73
PH	8.1
SODIUM ADSORPTION RATIO	38.7
SC (UMHOS/CM AT 25 C)	5340.0
SC (UMHOS/CM AT 25 C) (FLD)	5130.0
TDS (MEASURED AT 180 C)	3780.0
WATER TEMPERATURE (FLD)	13.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	35.0
MAGNESIUM (MG) DIS	23.0
SODIUM (NA) DIS	1200.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	1300.0
BICARBONATE (HCO3)	1600.0
CARBONATE AS CO3	22.0
SULFATE (SO4)	1700.0
CHLORIDE (CL)	18.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.349
ARSENIC (AS) DIS	0.001
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.23
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.002
COPPER (CU) DIS	0.004
IRON (FE) DIS	0.17
LEAD (PB) DIS	0.0004
MANGANESE (MN) DIS	0.057
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B6-U
SAMPLE DATE	01/07/2014
SAMPLE TIME	15:20
LAB	EL
LAB NUMBER	4010145005
SAMPLE NUMBER	OCC-1401-104
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	150.53
PH (FLD)	7.98
PH	8.7
SODIUM ADSORPTION RATIO	45.8
SC (UMHOS/CM AT 25 C)	973.0
SC (UMHOS/CM AT 25 C) (FLD)	934.0
TDS (MEASURED AT 180 C)	527.0
WATER TEMPERATURE (FLD)	16.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	241.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	610.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.479
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.026
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.18
LEAD (PB) DIS	0.0004
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KL
SAMPLE DATE	11/25/2013
SAMPLE TIME	11:56
LAB	EL
LAB NUMBER	3110522003
SAMPLE NUMBER	OCC-1311-302

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	209.17
PH (FLD)	8.86
PH	8.6
SODIUM ADSORPTION RATIO	40.4
SC (UMHOS/CM AT 25 C)	1490.0
SC (UMHOS/CM AT 25 C) (FLD)	1486.0
TDS (MEASURED AT 180 C)	968.0
WATER TEMPERATURE (FLD)	15.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	341.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	340.0
BICARBONATE (HCO3)	380.0
CARBONATE AS CO3	17.0
SULFATE (SO4)	440.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.0
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	3.06
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.018
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.9
LEAD (PB) DIS	0.0006
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-KU
SAMPLE DATE	11/25/2013
SAMPLE TIME	10:49
LAB	EL
LAB NUMBER	3110522002
SAMPLE NUMBER	OCC-1311-301
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	194.38
PH (FLD)	8.43
PH	8.4
SODIUM ADSORPTION RATIO	49.7
SC (UMHOS/CM AT 25 C)	1570.0
SC (UMHOS/CM AT 25 C) (FLD)	1550.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	14.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	414.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	840.0
BICARBONATE (HCO3)	970.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	80.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.017
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.06
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.04
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.013
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-O
SAMPLE DATE	11/25/2013
SAMPLE TIME	09:54
LAB	EL
LAB NUMBER	3110522001
SAMPLE NUMBER	OCC-1311-300
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	174.01
PH (FLD)	8.02
PH	8.2
SODIUM ADSORPTION RATIO	50.9
SC (UMHOS/CM AT 25 C)	4810.0
SC (UMHOS/CM AT 25 C) (FLD)	4764.0
TDS (MEASURED AT 180 C)	3530.0
WATER TEMPERATURE (FLD)	14.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	22.0
MAGNESIUM (MG) DIS	10.0
SODIUM (NA) DIS	1150.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	910.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	11.0
SULFATE (SO4)	1800.0
CHLORIDE (CL)	14.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.15
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.15
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.13
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.042
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B7-U
SAMPLE DATE	11/26/2013
SAMPLE TIME	09:30
LAB	EL
LAB NUMBER	3110522006
SAMPLE NUMBER	OCC-1311-305
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	214.04
PH (FLD)	8.95
PH	8.8
SODIUM ADSORPTION RATIO	43.7
SC (UMHOS/CM AT 25 C)	929.0
SC (UMHOS/CM AT 25 C) (FLD)	913.0
TDS (MEASURED AT 180 C)	571.0
WATER TEMPERATURE (FLD)	17.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	238.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	560.0
CARBONATE AS CO3	35.0
SULFATE (SO4)	14.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	1.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.072
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.066
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.04
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KL
SAMPLE DATE	11/26/2013
SAMPLE TIME	10:57
LAB	EL
LAB NUMBER	3110522007
SAMPLE NUMBER	OCC-1311-306
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	176.03
PH (FLD)	8.55
PH	8.5
SODIUM ADSORPTION RATIO	36.7
SC (UMHOS/CM AT 25 C)	1700.0
SC (UMHOS/CM AT 25 C) (FLD)	1661.0
TDS (MEASURED AT 180 C)	1090.0
WATER TEMPERATURE (FLD)	15.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	5.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	400.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	520.0
BICARBONATE (HCO3)	580.0
CARBONATE AS CO3	26.0
SULFATE (SO4)	350.0
CHLORIDE (CL)	22.0
FLUORIDE (F)	1.1
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.02
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.009
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-KU
SAMPLE DATE	11/26/2013
SAMPLE TIME	13:22
LAB	EL
LAB NUMBER	3110522009
SAMPLE NUMBER	OCC-1311-308
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	77.24
PH (FLD)	7.04
PH	7.5
SODIUM ADSORPTION RATIO	5.75
SC (UMHOS/CM AT 25 C)	3280.0
SC (UMHOS/CM AT 25 C) (FLD)	3214.0
TDS (MEASURED AT 180 C)	2570.0
WATER TEMPERATURE (FLD)	13.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	172.0
MAGNESIUM (MG) DIS	170.0
SODIUM (NA) DIS	444.0
POTASSIUM (K) DIS	8.0
TOTAL ALKALINITY AS CACO3	600.0
BICARBONATE (HCO3)	730.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.013
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.39
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	1.42
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.081
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B8-O
SAMPLE DATE	11/26/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3110522010
SAMPLE NUMBER	OCC-1311-309
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	75.54
PH (FLD)	7.58
PH	7.9
SODIUM ADSORPTION RATIO	3.64
SC (UMHOS/CM AT 25 C)	2510.0
SC (UMHOS/CM AT 25 C) (FLD)	2468.0
TDS (MEASURED AT 180 C)	1940.0
WATER TEMPERATURE (FLD)	12.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	86.0
MAGNESIUM (MG) DIS	199.0
SODIUM (NA) DIS	269.0
POTASSIUM (K) DIS	6.0
TOTAL ALKALINITY AS CACO3	430.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1100.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	0.8
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.004
BARIUM (BA) DIS	0.012
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.27
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.16
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.066
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B8-U
SAMPLE DATE	11/26/2013
SAMPLE TIME	12:30
LAB	EL
LAB NUMBER	3110522008
SAMPLE NUMBER	OCC-1311-307

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	149.14
PH (FLD)	8.76
PH	8.6
SODIUM ADSORPTION RATIO	43.4
SC (UMHOS/CM AT 25 C)	1140.0
SC (UMHOS/CM AT 25 C) (FLD)	1121.0
TDS (MEASURED AT 180 C)	665.0
WATER TEMPERATURE (FLD)	17.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	285.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	670.0
CARBONATE AS CO3	36.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	41.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.023
ARSENIC (AS) DIS	0.001
BARIUM (BA) DIS	0.081
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.02
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-K
SAMPLE DATE	11/25/2013
SAMPLE TIME	15:18
LAB	EL
LAB NUMBER	3110522004
SAMPLE NUMBER	OCC-1311-303

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	100.07
PH (FLD)	8.62
PH	8.4
SODIUM ADSORPTION RATIO	57.1
SC (UMHOS/CM AT 25 C)	1600.0
SC (UMHOS/CM AT 25 C) (FLD)	1567.0
TDS (MEASURED AT 180 C)	1000.0
WATER TEMPERATURE (FLD)	13.8
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	409.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	940.0
BICARBONATE (HCO3)	1100.0
CARBONATE AS CO3	40.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	30.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.107
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.12
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.18
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.052
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B9-U
SAMPLE DATE	11/25/2013
SAMPLE TIME	17:12
LAB	EL
LAB NUMBER	3110522005
SAMPLE NUMBER	OCC-1311-304
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.41
PH (FLD)	8.78
PH	8.6
SODIUM ADSORPTION RATIO	41.9
SC (UMHOS/CM AT 25 C)	1020.0
SC (UMHOS/CM AT 25 C) (FLD)	995.0
TDS (MEASURED AT 180 C)	611.0
WATER TEMPERATURE (FLD)	15.7
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	154.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	560.0
BICARBONATE (HCO3)	630.0
CARBONATE AS CO3	23.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	27.0
FLUORIDE (F)	2.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.026
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.051
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.03
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.012
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-KL
SAMPLE DATE	12/11/2013
SAMPLE TIME	15:10
LAB	EL
LAB NUMBER	3120229007
SAMPLE NUMBER	OCC-1312-106
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	61.06
PH (FLD)	8.45
PH	8.4
SODIUM ADSORPTION RATIO	42.1
SC (UMHOS/CM AT 25 C)	1480.0
SC (UMHOS/CM AT 25 C) (FLD)	1105.0
TDS (MEASURED AT 180 C)	883.0
WATER TEMPERATURE (FLD)	12.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	1.0
SODIUM (NA) DIS	357.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	820.0
BICARBONATE (HCO3)	930.0
CARBONATE AS CO3	37.0
	J4D
SULFATE (SO4)	<1.0
CHLORIDE (CL)	30.0
FLUORIDE (F)	2.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.167
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.091
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	0.001
COPPER (CU) DIS	0.001
IRON (FE) DIS	0.1
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.016
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
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Sample Type: Groundwater

SITE CODE	B10-KU
SAMPLE DATE	12/11/2013
SAMPLE TIME	15:00
LAB	EL
LAB NUMBER	3120229008
SAMPLE NUMBER	OCC-1312-107
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	47.15
PH (FLD)	7.25
PH	7.3
SODIUM ADSORPTION RATIO	23.7
SC (UMHOS/CM AT 25 C)	5250.0
SC (UMHOS/CM AT 25 C) (FLD)	3657.0
TDS (MEASURED AT 180 C)	3690.0
WATER TEMPERATURE (FLD)	11.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	105.0
MAGNESIUM (MG) DIS	41.0
SODIUM (NA) DIS	1130.0
POTASSIUM (K) DIS	14.0
TOTAL ALKALINITY AS CACO3	1200.0
BICARBONATE (HCO3)	1500.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1800.0
CHLORIDE (CL)	12.0
FLUORIDE (F)	0.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.015
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.28
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.54
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.044
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-O
SAMPLE DATE	12/11/2013
SAMPLE TIME	15:45
LAB	EL
LAB NUMBER	3120229009
SAMPLE NUMBER	OCC-1312-108
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	28.82
PH (FLD)	5.85
PH	5.8
SODIUM ADSORPTION RATIO	24.8
SC (UMHOS/CM AT 25 C)	3440.0
SC (UMHOS/CM AT 25 C) (FLD)	2330.0
TDS (MEASURED AT 180 C)	3440.0
WATER TEMPERATURE (FLD)	9.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	31.0
MAGNESIUM (MG) DIS	27.0
SODIUM (NA) DIS	787.0
POTASSIUM (K) DIS	7.0
TOTAL ALKALINITY AS CACO3	330.0
TOTAL ACIDITY AS CACO3	160.0
	J3
BICARBONATE (HCO3)	410.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1300.0
CHLORIDE (CL)	17.0
FLUORIDE (F)	0.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.05
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	3.44
ARSENIC (AS) DIS	0.173
BARIUM (BA) DIS	0.077
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.34
CADMIUM (CD) DIS	0.00038
CHROMIUM (CR) DIS	0.012
COPPER (CU) DIS	0.014
IRON (FE) DIS	27.8
LEAD (PB) DIS	0.0119
MANGANESE (MN) DIS	0.09
MERCURY (HG) DIS	0.00012
MOLYBDENUM (MO) DIS	0.016
NICKEL (NI) DIS	0.03
SELENIUM (SE) DIS	0.004
VANADIUM (V) DIS	0.03
ZINC (ZN) DIS	0.049

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B10-U
SAMPLE DATE	12/11/2013
SAMPLE TIME	16:15
LAB	EL
LAB NUMBER	3120229010
SAMPLE NUMBER	OCC-1312-109
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	65.55
PH (FLD)	8.46
PH	8.4
SODIUM ADSORPTION RATIO	43.6
SC (UMHOS/CM AT 25 C)	1420.0
SC (UMHOS/CM AT 25 C) (FLD)	1108.0
TDS (MEASURED AT 180 C)	832.0
WATER TEMPERATURE (FLD)	15.9
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	3.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	341.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	710.0
BICARBONATE (HCO3)	800.0
CARBONATE AS CO3	36.0
	J4D
SULFATE (SO4)	<1.0
CHLORIDE (CL)	65.0
FLUORIDE (F)	2.2
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.129
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.07
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.039
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-K
SAMPLE DATE	11/26/2013
SAMPLE TIME	15:31
LAB	EL
LAB NUMBER	3110522011
SAMPLE NUMBER	OCC-1311-310
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	192.63
PH (FLD)	8.45
PH	8.4
SODIUM ADSORPTION RATIO	52.5
SC (UMHOS/CM AT 25 C)	1080.0
SC (UMHOS/CM AT 25 C) (FLD)	1045.0
TDS (MEASURED AT 180 C)	647.0
WATER TEMPERATURE (FLD)	15.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	1.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	282.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	630.0
BICARBONATE (HCO3)	710.0
CARBONATE AS CO3	28.0
SULFATE (SO4)	3.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.5
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.062
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.105
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.13
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-O
SAMPLE DATE	11/27/2013
SAMPLE TIME	11:00
LAB	EL
LAB NUMBER	3110522017
SAMPLE NUMBER	OCC-1311-316
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	111.21
PH (FLD)	7.02
PH	7.8
SODIUM ADSORPTION RATIO	41.4
SC (UMHOS/CM AT 25 C)	7400.0
SC (UMHOS/CM AT 25 C) (FLD)	7120.0
TDS (MEASURED AT 180 C)	5780.0
WATER TEMPERATURE (FLD)	11.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	74.0
MAGNESIUM (MG) DIS	40.0
SODIUM (NA) DIS	1780.0
POTASSIUM (K) DIS	12.0
TOTAL ALKALINITY AS CACO3	720.0
BICARBONATE (HCO3)	880.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	3500.0
CHLORIDE (CL)	19.0
FLUORIDE (F)	0.9
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.86
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	1.64
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.034
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.21
CADMIUM (CD) DIS	0.00004
CHROMIUM (CR) DIS	0.005
COPPER (CU) DIS	0.003
IRON (FE) DIS	1.05
LEAD (PB) DIS	0.0015
MANGANESE (MN) DIS	0.148
MERCURY (HG) DIS	0.000007
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	0.009
SELENIUM (SE) DIS	0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	0.011

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	B11-U
SAMPLE DATE	11/27/2013
SAMPLE TIME	11:32
LAB	EL
LAB NUMBER	3110522016
SAMPLE NUMBER	OCC-1311-315
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	175.93
PH (FLD)	8.47
PH	8.7
SODIUM ADSORPTION RATIO	38.1
SC (UMHOS/CM AT 25 C)	961.0
SC (UMHOS/CM AT 25 C) (FLD)	935.0
TDS (MEASURED AT 180 C)	572.0
WATER TEMPERATURE (FLD)	17.4
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	240.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	550.0
BICARBONATE (HCO3)	600.0
CARBONATE AS CO3	37.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.092
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.062
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-2	C-2
SAMPLE DATE	12/13/2013	12/13/2013
SAMPLE TIME	09:30	09:40
LAB	EL	EL
LAB NUMBER	3120229015	3120229016
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1312-114	OCC-1312-115
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	42.14	
PH (FLD)	7.45	
PH	7.5	7.5
SODIUM ADSORPTION RATIO	8.09	8.48
SC (UMHOS/CM AT 25 C)	3100.0	3090.0
SC (UMHOS/CM AT 25 C) (FLD)	2154.0	
TDS (MEASURED AT 180 C)	2130.0	2140.0
WATER TEMPERATURE (FLD)	10.7	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	73.0	72.0
MAGNESIUM (MG) DIS	107.0	108.0
SODIUM (NA) DIS	495.0	460.0
POTASSIUM (K) DIS	23.0	22.0
TOTAL ALKALINITY AS CACO3	670.0	670.0
BICARBONATE (HCO3)	800.0	820.0
CARBONATE AS CO3	7.0	<1.0
	J4D	
SULFATE (SO4)	1100.0	1100.0
CHLORIDE (CL)	30.0	30.0
FLUORIDE (F)	1.1	1.1
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	3.27	3.0
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ARSENIC (AS) DIS	0.003	0.004
BARIUM (BA) DIS	0.044	0.046
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BORON (B) DIS	0.43	0.45
CADMIUM (CD) DIS	<0.00003	<0.00003
CHROMIUM (CR) DIS	0.002	0.002
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.11	0.1
LEAD (PB) DIS	<0.0003	<0.0003
MANGANESE (MN) DIS	0.043	0.04
MERCURY (HG) DIS	<0.000005	<0.000005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.002	<0.002
SELENIUM (SE) DIS	0.013	0.014
VANADIUM (V) DIS	0.05	0.05
ZINC (ZN) DIS	<0.008	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	C-3
SAMPLE DATE	12/12/2013
SAMPLE TIME	14:00
LAB	EL
LAB NUMBER	3120229013
SAMPLE NUMBER	OCC-1312-112
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	104.42
PH (FLD)	7.56
PH	7.6
SODIUM ADSORPTION RATIO	6.61
SC (UMHOS/CM AT 25 C)	3550.0
SC (UMHOS/CM AT 25 C) (FLD)	2596.0
TDS (MEASURED AT 180 C)	2470.0
WATER TEMPERATURE (FLD)	12.6
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	114.0
MAGNESIUM (MG) DIS	172.0
SODIUM (NA) DIS	479.0
POTASSIUM (K) DIS	24.0
TOTAL ALKALINITY AS CACO3	640.0
BICARBONATE (HCO3)	770.0
CARBONATE AS CO3	<1.0
	UJ4D
SULFATE (SO4)	1500.0
CHLORIDE (CL)	16.0
FLUORIDE (F)	0.7
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	0.002
BARIUM (BA) DIS	0.016
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.52
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	4.78
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.452
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	C-4	C-4
SAMPLE DATE	11/27/2013	11/27/2013
SAMPLE TIME	09:28	09:30
LAB	EL	EL
LAB NUMBER	3110522014	3110522015
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1311-313	OCC-1311-314
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	72.33	
PH (FLD)	7.21	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	7.45	7.34
SC (UMHOS/CM AT 25 C)	4090.0	4100.0
SC (UMHOS/CM AT 25 C) (FLD)	4041.0	
TDS (MEASURED AT 180 C)	3270.0	3290.0
WATER TEMPERATURE (FLD)	12.3	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	146.0	144.0
MAGNESIUM (MG) DIS	224.0	221.0
SODIUM (NA) DIS	614.0	601.0
POTASSIUM (K) DIS	21.0	21.0
TOTAL ALKALINITY AS CACO3	710.0	700.0
BICARBONATE (HCO3)	860.0	860.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	2000.0	1900.0
CHLORIDE (CL)	19.0	19.0
FLUORIDE (F)	0.7	0.7
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	0.015	<0.009
ARSENIC (AS) DIS	0.001	0.002
BARIUM (BA) DIS	0.022	0.023
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BORON (B) DIS	0.35	0.36
CADMIUM (CD) DIS	<0.00003	<0.00003
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	1.45	1.44
LEAD (PB) DIS	<0.0003	<0.0003
MANGANESE (MN) DIS	0.344	0.353
MERCURY (HG) DIS	<0.000005	<0.000005
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.002	<0.002
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.01	<0.01
ZINC (ZN) DIS	<0.008	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-1
SAMPLE DATE	11/27/2013
SAMPLE TIME	07:37
LAB	EL
LAB NUMBER	3110522012
SAMPLE NUMBER	OCC-1311-311
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	74.1
PH (FLD)	8.58
PH	8.5
SODIUM ADSORPTION RATIO	43.4
SC (UMHOS/CM AT 25 C)	1670.0
SC (UMHOS/CM AT 25 C) (FLD)	1638.0
TDS (MEASURED AT 180 C)	1070.0
WATER TEMPERATURE (FLD)	13.5
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	4.0
MAGNESIUM (MG) DIS	2.0
SODIUM (NA) DIS	425.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	850.0
BICARBONATE (HCO3)	950.0
CARBONATE AS CO3	44.0
SULFATE (SO4)	130.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.047
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.178
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.09
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.06
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	<0.005
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: Groundwater

SITE CODE	K-2
SAMPLE DATE	01/07/2014
SAMPLE TIME	10:47
LAB	EL
LAB NUMBER	4010147001
SAMPLE NUMBER	OCC-1401-800

-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	62.57
PH (FLD)	8.78
PH	8.6
SODIUM ADSORPTION RATIO	40.8
SC (UMHOS/CM AT 25 C)	1100.0
SC (UMHOS/CM AT 25 C) (FLD)	1170.0
TDS (MEASURED AT 180 C)	670.0
WATER TEMPERATURE (FLD)	13.0
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	273.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	620.0
BICARBONATE (HCO3)	680.0
CARBONATE AS CO3	39.0
SULFATE (SO4)	13.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.3
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.106
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.1
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	<0.02
	UJ4D
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.008
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.003
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-3
SAMPLE DATE	01/07/2014
SAMPLE TIME	13:45
LAB	EL
LAB NUMBER	4010147005
SAMPLE NUMBER	OCC-1401-804
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	57.97
PH (FLD)	6.66
PH	6.7
SODIUM ADSORPTION RATIO	3.39
SC (UMHOS/CM AT 25 C)	2020.0
SC (UMHOS/CM AT 25 C) (FLD)	2120.0
TDS (MEASURED AT 180 C)	1390.0
WATER TEMPERATURE (FLD)	12.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	134.0
MAGNESIUM (MG) DIS	96.0
SODIUM (NA) DIS	211.0
POTASSIUM (K) DIS	5.0
TOTAL ALKALINITY AS CACO3	610.0
BICARBONATE (HCO3)	750.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	620.0
CHLORIDE (CL)	13.0
FLUORIDE (F)	0.6
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.024
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.31
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.8
	J4D
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.081
MERCURY (HG) DIS	<0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.003
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-4
SAMPLE DATE	01/07/2014
SAMPLE TIME	12:58
LAB	EL
LAB NUMBER	4010147004
SAMPLE NUMBER	OCC-1401-803
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	53.68
PH (FLD)	8.89
PH	8.7
SODIUM ADSORPTION RATIO	42.4
SC (UMHOS/CM AT 25 C)	1070.0
SC (UMHOS/CM AT 25 C) (FLD)	1080.0
TDS (MEASURED AT 180 C)	608.0
WATER TEMPERATURE (FLD)	12.1
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	252.0
POTASSIUM (K) DIS	1.0
TOTAL ALKALINITY AS CACO3	450.0
BICARBONATE (HCO3)	480.0
CARBONATE AS CO3	30.0
SULFATE (SO4)	120.0
CHLORIDE (CL)	9.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.555
ARSENIC (AS) DIS	0.002
BARIUM (BA) DIS	0.017
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.11
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.21
	J4D
LEAD (PB) DIS	0.0004
MANGANESE (MN) DIS	0.014
MERCURY (HG) DIS	0.00001
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.003
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-5
SAMPLE DATE	11/27/2013
SAMPLE TIME	08:23
LAB	EL
LAB NUMBER	3110522013
SAMPLE NUMBER	OCC-1311-312
-- PHYSICAL PARAMETERS --	
DEPTH TO WATER LEVEL (FEET)	105.4
PH (FLD)	8.05
PH	8.2
SODIUM ADSORPTION RATIO	44.9
SC (UMHOS/CM AT 25 C)	1260.0
SC (UMHOS/CM AT 25 C) (FLD)	1226.0
TDS (MEASURED AT 180 C)	797.0
WATER TEMPERATURE (FLD)	13.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	2.0
MAGNESIUM (MG) DIS	<1.0
SODIUM (NA) DIS	322.0
POTASSIUM (K) DIS	2.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	860.0
CARBONATE AS CO3	22.0
SULFATE (SO4)	<1.0
CHLORIDE (CL)	11.0
FLUORIDE (F)	1.4
HYDROXIDE (OH)	<1.0
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.022
ARSENIC (AS) DIS	<0.001
BARIUM (BA) DIS	0.107
BERYLLIUM (BE) DIS	<0.0008
BORON (B) DIS	0.16
CADMIUM (CD) DIS	<0.00003
CHROMIUM (CR) DIS	<0.001
COPPER (CU) DIS	<0.001
IRON (FE) DIS	0.15
LEAD (PB) DIS	<0.0003
MANGANESE (MN) DIS	0.011
MERCURY (HG) DIS	<0.000005
MOLYBDENUM (MO) DIS	<0.005
NICKEL (NI) DIS	<0.002
SELENIUM (SE) DIS	<0.001
VANADIUM (V) DIS	<0.01
ZINC (ZN) DIS	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Groundwater

SITE CODE	K-6	K-6
SAMPLE DATE	01/07/2014	01/07/2014
SAMPLE TIME	11:29	11:35
LAB	EL	EL
LAB NUMBER	4010147002	4010147003
REMARKS		DUPLICATE
SAMPLE NUMBER	OCC-1401-801	OCC-1401-802
-- PHYSICAL PARAMETERS --		
DEPTH TO WATER LEVEL (FEET)	72.04	
PH (FLD)	7.92	
PH	7.6	7.6
SODIUM ADSORPTION RATIO	12.5	12.4
SC (UMHOS/CM AT 25 C)	3020.0	3030.0
SC (UMHOS/CM AT 25 C) (FLD)	3100.0	
TDS (MEASURED AT 180 C)	2070.0	2090.0
WATER TEMPERATURE (FLD)	12.0	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	63.0	63.0
MAGNESIUM (MG) DIS	66.0	66.0
SODIUM (NA) DIS	594.0	592.0
POTASSIUM (K) DIS	6.0	6.0
TOTAL ALKALINITY AS CACO3	930.0	930.0
BICARBONATE (HCO3)	1100.0	1100.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	820.0	820.0
CHLORIDE (CL)	19.0	18.0
FLUORIDE (F)	0.8	0.8
HYDROXIDE (OH)	<1.0	<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ARSENIC (AS) DIS	<0.001	<0.001
BARIUM (BA) DIS	0.016	0.016
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BORON (B) DIS	0.21	0.21
CADMIUM (CD) DIS	<0.00003	<0.00003
CHROMIUM (CR) DIS	<0.001	<0.001
COPPER (CU) DIS	<0.001	<0.001
IRON (FE) DIS	0.53	0.65
	J4D	
LEAD (PB) DIS	<0.0003	<0.0003
MANGANESE (MN) DIS	0.083	0.084
MERCURY (HG) DIS	0.00001	0.00001
MOLYBDENUM (MO) DIS	<0.005	<0.005
NICKEL (NI) DIS	<0.003	<0.003
SELENIUM (SE) DIS	<0.001	<0.001
VANADIUM (V) DIS	<0.01	<0.01
ZINC (ZN) DIS	<0.008	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:25
LAB	EL
LAB NUMBER	4010145009
SAMPLE NUMBER	OCC-1401-201
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	8.48
PH	7.7
SODIUM ADSORPTION RATIO	9.33
SC (UMHOS/CM AT 25 C)	2220.0
SC (UMHOS/CM AT 25 C) (FLD)	2390.0
TDS (MEASURED AT 180 C)	1500.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	5.7
WATER TEMPERATURE (FLD)	3.3
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	65.0
CALCIUM (CA) TRC	61.0
MAGNESIUM (MG) DIS	43.0
MAGNESIUM (MG) TRC	40.0
SODIUM (NA) DIS	395.0
SODIUM (NA) TRC	390.0
POTASSIUM (K) DIS	14.0
POTASSIUM (K) TRC	13.0
TOTAL ALKALINITY AS CACO3	430.0
BICARBONATE (HCO3)	520.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	770.0
CHLORIDE (CL)	6.0
FLUORIDE (F)	0.5
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.01
ALUMINUM (AL) TRC	0.262
ARSENIC (AS) DIS	0.001
ARSENIC (AS) TRC	0.001
BARIUM (BA) DIS	0.032
BARIUM (BA) TRC	0.035
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.03
	UJ1
BORON (B) TRC	0.04
	UJ1
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.00003
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	0.002
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.08
IRON (FE) TRC	0.5

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance; R:Rejected.

Sample Type: POND

SITE CODE	P1
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:25
LAB	EL
LAB NUMBER	4010145009
SAMPLE NUMBER	OCC-1401-201

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	<0.0003
MANGANESE (MN) DIS	0.562
MANGANESE (MN) TRC	0.518
MERCURY (HG) DIS	<0.00001
MERCURY (HG) TOT	0.00001
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	0.005
NICKEL (NI) TRC	0.005
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	<0.008
ZINC (ZN) TRC	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P4
SAMPLE DATE	01/08/2014
SAMPLE TIME	16:00
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-855

-- PHYSICAL PARAMETERS --

FLOW (cfs)	DRY

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	01/08/2014
SAMPLE TIME	14:55
LAB	EL
LAB NUMBER	4010145008
SAMPLE NUMBER	OCC-1401-200

-- PHYSICAL PARAMETERS --	
FLOW (cfs)	NO MEAS
PH (FLD)	9.16
PH	9.0
SODIUM ADSORPTION RATIO	23.8
SC (UMHOS/CM AT 25 C)	9610.0
SC (UMHOS/CM AT 25 C) (FLD)	9010.0
TDS (MEASURED AT 180 C)	7730.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	21.2
WATER TEMPERATURE (FLD)	0.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	116.0
CALCIUM (CA) TRC	126.0
MAGNESIUM (MG) DIS	295.0
MAGNESIUM (MG) TRC	326.0
SODIUM (NA) DIS	2120.0
SODIUM (NA) TRC	2340.0
POTASSIUM (K) DIS	24.0
POTASSIUM (K) TRC	27.0
TOTAL ALKALINITY AS CACO3	350.0
BICARBONATE (HCO3)	320.0
CARBONATE AS CO3	49.0
SULFATE (SO4)	5400.0
CHLORIDE (CL)	33.0
FLUORIDE (F)	0.4
-- NUTRIENTS --	
NITRATE + NITRITE AS N	<0.01
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	0.02
ALUMINUM (AL) TRC	0.018
ARSENIC (AS) DIS	0.006
ARSENIC (AS) TRC	0.009
BARIUM (BA) DIS	0.027
BARIUM (BA) TRC	0.035
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.06
	UJ1
BORON (B) TRC	0.06
	UJ1
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	0.003
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.002
IRON (FE) DIS	0.07
IRON (FE) TRC	0.11

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P5
SAMPLE DATE	01/08/2014
SAMPLE TIME	14:55
LAB	EL
LAB NUMBER	4010145008
SAMPLE NUMBER	OCC-1401-200

-- METALS & MINOR CONSTITUENTS --

LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	0.0004
MANGANESE (MN) DIS	0.53
MANGANESE (MN) TRC	0.56
MERCURY (HG) DIS	0.00001
MERCURY (HG) TOT	0.00001
MOLYBDENUM (MO) DIS	0.006
MOLYBDENUM (MO) TRC	0.007
NICKEL (NI) DIS	<0.002
NICKEL (NI) TRC	0.005
SELENIUM (SE) DIS	0.001
SELENIUM (SE) TRC	<0.003
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	0.014
ZINC (ZN) TRC	0.068

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	01/09/2014
SAMPLE TIME	11:20
LAB	EL
LAB NUMBER	4010145016
SAMPLE NUMBER	OCC-1401-208

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS
PH (FLD)	7.88
PH	7.7
SODIUM ADSORPTION RATIO	5.03
SC (UMHOS/CM AT 25 C)	3620.0
SC (UMHOS/CM AT 25 C) (FLD)	3500.0
TDS (MEASURED AT 180 C)	2920.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	27.2
WATER TEMPERATURE (FLD)	1.4

-- MAJOR CONSTITUENTS --

CALCIUM (CA) DIS	150.0
CALCIUM (CA) TRC	177.0
MAGNESIUM (MG) DIS	227.0
MAGNESIUM (MG) TRC	256.0
SODIUM (NA) DIS	418.0
SODIUM (NA) TRC	495.0
POTASSIUM (K) DIS	16.0
POTASSIUM (K) TRC	17.0
TOTAL ALKALINITY AS CACO3	750.0
BICARBONATE (HCO3)	910.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	1500.0
CHLORIDE (CL)	10.0
FLUORIDE (F)	0.7

-- NUTRIENTS --

NITRATE + NITRITE AS N	<0.01

-- METALS & MINOR CONSTITUENTS --

ALUMINUM (AL) DIS	<0.009
ALUMINUM (AL) TRC	<0.01
ARSENIC (AS) DIS	<0.001
ARSENIC (AS) TRC	0.001
BARIUM (BA) DIS	0.022
BARIUM (BA) TRC	0.025
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.53
BORON (B) TRC	0.59
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.0001
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	<0.001
IRON (FE) DIS	0.08
IRON (FE) TRC	0.2
LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	<0.0003
MANGANESE (MN) DIS	0.544
MANGANESE (MN) TRC	0.553

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: POND

SITE CODE	P6
SAMPLE DATE	01/09/2014
SAMPLE TIME	11:20
LAB	EL
LAB NUMBER	4010145016
SAMPLE NUMBER	OCC-1401-208

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	<0.005
MOLYBDENUM (MO) TRC	<0.005
NICKEL (NI) DIS	<0.002
NICKEL (NI) TRC	<0.003
SELENIUM (SE) DIS	<0.001
SELENIUM (SE) TRC	<0.001
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	<0.008
ZINC (ZN) TRC	0.048

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/21/2013	12/13/2013	01/08/2014	01/08/2014
SAMPLE TIME	14:00	15:15	10:15	18:30
LAB	EL	EL	EL	EL
LAB NUMBER	3110493004	3120229018	4010145010	4010147008
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1311-105	OCC-1312-117	OCC-1401-202	OCC-1401-807
-- PHYSICAL PARAMETERS --				
PH	5.6	5.9	5.8	5.8
SODIUM ADSORPTION RATIO	0.27	0.32	0.15	0.35
SC (UMHOS/CM AT 25 C)	2.0	2.0	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0	<4.0	<4.0
TOTAL SUSPENDED SOLIDS			<4.0	
TURBIDITY (NTU)			<0.1	
-- MAJOR CONSTITUENTS --				
CALCIUM (CA) DIS	<1.0	<1.0	<1.0	<1.0
CALCIUM (CA) TRC			<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0	<1.0	<1.0
MAGNESIUM (MG) TRC			<1.0	
SODIUM (NA) DIS	<1.0	<1.0	<1.0	<1.0
SODIUM (NA) TRC			<1.0	
POTASSIUM (K) DIS	<1.0	<1.0	<1.0	<1.0
POTASSIUM (K) TRC			<1.0	
TOTAL ALKALINITY AS CACO3	<1.0	<1.0	<1.0	<1.0
BICARBONATE (HCO3)	1.0	<1.0	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0	<1.0	<1.0
SULFATE (SO4)	<2.0	<1.0	<1.0	<1.0
	J3			
CHLORIDE (CL)	<1.0	<1.0	<1.0	<1.0
	J3			
FLUORIDE (F)	<0.1	<0.1	<0.1	<0.1
HYDROXIDE (OH)	<1.0	<1.0		<1.0
-- NUTRIENTS --				
NITRATE + NITRITE AS N	<0.01	<0.01	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --				
ALUMINUM (AL) DIS	<0.009	<0.009	<0.009	<0.009
ALUMINUM (AL) TRC			<0.009	
ARSENIC (AS) DIS	<0.001	<0.001	<0.001	<0.001
ARSENIC (AS) TRC			<0.001	
BARIUM (BA) DIS	<0.003	<0.003	<0.003	<0.003
BARIUM (BA) TRC			<0.003	
BERYLLIUM (BE) DIS	<0.0008	<0.0008	<0.0008	<0.0008
BERYLLIUM (BE) TRC			<0.0008	
BORON (B) DIS	<0.01	<0.01	0.06	0.06
BORON (B) TRC			0.06	
CADMIUM (CD) DIS	<0.00003	<0.00003	<0.00003	<0.00003
CADMIUM (CD) TRC			<0.00003	
CHROMIUM (CR) DIS	<0.001	<0.001	<0.001	<0.001
CHROMIUM (CR) TRC			<0.001	
COPPER (CU) DIS	<0.001	<0.001	<0.001	<0.001
COPPER (CU) TRC			<0.001	
IRON (FE) DIS	<0.02	<0.02	<0.02	<0.02
IRON (FE) TRC			<0.02	
LEAD (PB) DIS	<0.0003	<0.0003	<0.0003	<0.0003
LEAD (PB) TRC			<0.0003	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	DI BLANK	DI BLANK	DI BLANK	DI BLANK
SAMPLE DATE	11/21/2013	12/13/2013	01/08/2014	01/08/2014
SAMPLE TIME	14:00	15:15	10:15	18:30
LAB	EL	EL	EL	EL
LAB NUMBER	3110493004	3120229018	4010145010	4010147008
REMARKS	BLANK	BLANK	BLANK	BLANK
SAMPLE NUMBER	OCC-1311-105	OCC-1312-117	OCC-1401-202	OCC-1401-807
-- METALS & MINOR CONSTITUENTS --				
MANGANESE (MN) DIS	<0.005	<0.005	<0.005	<0.005
MANGANESE (MN) TRC			<0.005	
MERCURY (HG) DIS	<0.00002	<0.000005	<0.00001	<0.00005
MERCURY (HG) TOT			<0.00001	
MOLYBDENUM (MO) DIS	<0.005	<0.005	<0.005	<0.005
MOLYBDENUM (MO) TRC			<0.005	
NICKEL (NI) DIS	<0.002	<0.002	<0.002	<0.003
NICKEL (NI) TRC			<0.002	
SELENIUM (SE) DIS	<0.001	<0.001	<0.001	<0.001
SELENIUM (SE) TRC			<0.001	
VANADIUM (V) DIS	<0.01	<0.01	<0.01	<0.01
VANADIUM (V) TRC			<0.01	
ZINC (ZN) DIS	<0.008	<0.008	<0.008	<0.008
ZINC (ZN) TRC			<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	01/08/2014	01/08/2014
SAMPLE TIME	18:25	18:45
LAB	EL	EL
LAB NUMBER	4010145011	4010147009
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1401-203	OCC-1401-808
-- PHYSICAL PARAMETERS --		
PH	5.5	5.6
SODIUM ADSORPTION RATIO	0.08	0.51
SC (UMHOS/CM AT 25 C)	2.0	2.0
TDS (MEASURED AT 180 C)	<4.0	<4.0
TOTAL SUSPENDED SOLIDS	<4.0	
TURBIDITY (NTU)	<0.1	
-- MAJOR CONSTITUENTS --		
CALCIUM (CA) DIS	<1.0	<1.0
CALCIUM (CA) TRC	<1.0	
MAGNESIUM (MG) DIS	<1.0	<1.0
MAGNESIUM (MG) TRC	<1.0	
SODIUM (NA) DIS	<1.0	<1.0
SODIUM (NA) TRC	<1.0	
POTASSIUM (K) DIS	<1.0	<1.0
POTASSIUM (K) TRC	<1.0	
TOTAL ALKALINITY AS CACO3	<1.0	<1.0
BICARBONATE (HCO3)	1.0	1.0
CARBONATE AS CO3	<1.0	<1.0
SULFATE (SO4)	<1.0	<1.0
CHLORIDE (CL)	<1.0	<1.0
FLUORIDE (F)	<0.1	<0.1
HYDROXIDE (OH)		<1.0
-- NUTRIENTS --		
NITRATE + NITRITE AS N	<0.01	<0.01
-- METALS & MINOR CONSTITUENTS --		
ALUMINUM (AL) DIS	<0.009	<0.009
ALUMINUM (AL) TRC	<0.009	
ARSENIC (AS) DIS	<0.001	<0.001
ARSENIC (AS) TRC	<0.001	
BARIUM (BA) DIS	<0.003	<0.003
BARIUM (BA) TRC	<0.003	
BERYLLIUM (BE) DIS	<0.0008	<0.0008
BERYLLIUM (BE) TRC	<0.0008	
BORON (B) DIS	0.06	0.06
BORON (B) TRC	0.06	
CADMIUM (CD) DIS	<0.00003	<0.00003
CADMIUM (CD) TRC	<0.00003	
CHROMIUM (CR) DIS	<0.001	<0.001
CHROMIUM (CR) TRC	<0.001	
COPPER (CU) DIS	<0.001	<0.001
COPPER (CU) TRC	<0.001	
IRON (FE) DIS	<0.02	<0.02
IRON (FE) TRC	<0.02	
LEAD (PB) DIS	<0.0003	<0.0003
LEAD (PB) TRC	<0.0003	
MANGANESE (MN) DIS	<0.005	<0.005
MANGANESE (MN) TRC	<0.005	
MERCURY (HG) DIS	<0.00005	<0.00005
MERCURY (HG) TOT	<0.00005	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Quality Control

SITE CODE	RINS BLANK	RINS BLANK
SAMPLE DATE	01/08/2014	01/08/2014
SAMPLE TIME	18:25	18:45
LAB	EL	EL
LAB NUMBER	4010145011	4010147009
REMARKS	BLANK	BLANK
SAMPLE NUMBER	OCC-1401-203	OCC-1401-808
-- METALS & MINOR CONSTITUENTS --		
MOLYBDENUM (MO) DIS	<0.005	<0.005
MOLYBDENUM (MO) TRC	<0.005	
NICKEL (NI) DIS	<0.002	<0.003
NICKEL (NI) TRC	<0.002	
SELENIUM (SE) DIS	<0.001	<0.001
SELENIUM (SE) TRC	<0.001	
VANADIUM (V) DIS	<0.01	<0.01
VANADIUM (V) TRC	<0.01	
ZINC (ZN) DIS	<0.008	<0.008
ZINC (ZN) TRC	<0.008	

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Springs, Seeps, & Adits

SITE CODE	FORTUNE SPRIN
SAMPLE DATE	01/09/2014
SAMPLE TIME	07:30
LAB	HYDRO
LAB NUMBER	
REMARKS	NO SAMPLE
SAMPLE NUMBER	OCC-1401-859

-- PHYSICAL PARAMETERS --

FLOW (cfs)	NO MEAS

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25
SAMPLE DATE	01/09/2014
SAMPLE TIME	08:15
LAB	EL
LAB NUMBER	4010145012
SAMPLE NUMBER	OCC-1401-204
-- PHYSICAL PARAMETERS --	
FLOW (cfs)	1.22
PH (FLD)	6.38
PH	7.8
SODIUM ADSORPTION RATIO	6.04
SC (UMHOS/CM AT 25 C)	4370.0
SC (UMHOS/CM AT 25 C) (FLD)	4010.0
TDS (MEASURED AT 180 C)	3400.0
TOTAL SUSPENDED SOLIDS	<4.0
TURBIDITY (NTU)	6.4
WATER TEMPERATURE (FLD)	0.2
-- MAJOR CONSTITUENTS --	
CALCIUM (CA) DIS	156.0
CALCIUM (CA) TRC	165.0
MAGNESIUM (MG) DIS	281.0
MAGNESIUM (MG) TRC	301.0
SODIUM (NA) DIS	546.0
SODIUM (NA) TRC	562.0
POTASSIUM (K) DIS	23.0
POTASSIUM (K) TRC	24.0
TOTAL ALKALINITY AS CACO3	790.0
BICARBONATE (HCO3)	960.0
CARBONATE AS CO3	<1.0
SULFATE (SO4)	2000.0
CHLORIDE (CL)	26.0
FLUORIDE (F)	0.8
-- NUTRIENTS --	
NITRATE + NITRITE AS N	0.26
-- METALS & MINOR CONSTITUENTS --	
ALUMINUM (AL) DIS	<0.009
ALUMINUM (AL) TRC	0.245
ARSENIC (AS) DIS	0.002
ARSENIC (AS) TRC	0.002
BARIUM (BA) DIS	0.046
BARIUM (BA) TRC	0.05
BERYLLIUM (BE) DIS	<0.0008
BERYLLIUM (BE) TRC	<0.0008
BORON (B) DIS	0.77
BORON (B) TRC	0.8
CADMIUM (CD) DIS	<0.00003
CADMIUM (CD) TRC	<0.00004
CHROMIUM (CR) DIS	<0.001
CHROMIUM (CR) TRC	<0.001
COPPER (CU) DIS	<0.001
COPPER (CU) TRC	0.001
IRON (FE) DIS	0.06
IRON (FE) TRC	0.55
LEAD (PB) DIS	<0.0003
LEAD (PB) TRC	0.0003
MANGANESE (MN) DIS	0.147
MANGANESE (MN) TRC	0.158

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
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Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

Sample Type: Surface Water

SITE CODE	SW-25
SAMPLE DATE	01/09/2014
SAMPLE TIME	08:15
LAB	EL
LAB NUMBER	4010145012
SAMPLE NUMBER	OCC-1401-204

-- METALS & MINOR CONSTITUENTS --

MERCURY (HG) DIS	<0.00005
MERCURY (HG) TOT	<0.00005
MOLYBDENUM (MO) DIS	0.008
MOLYBDENUM (MO) TRC	0.008
NICKEL (NI) DIS	<0.004
NICKEL (NI) TRC	<0.007
SELENIUM (SE) DIS	0.002
SELENIUM (SE) TRC	0.002
VANADIUM (V) DIS	<0.01
VANADIUM (V) TRC	<0.01
ZINC (ZN) DIS	<0.008
ZINC (ZN) TRC	<0.008

NOTES: All results in mg/L (Water) or mg/kg (Soil) unless noted and are laboratory (LAB) unless field (FLD) or calculated (CALC)
TOT:Total; DIS:Dissolved; TRC:Total Recoverable; E:Estimated; <:Less Than Detect. Blank: parameter not tested
Validation Flags: A:Anomalous; UJ1:Blank; J2,UJ2: Standard; J3:Hold Time; J4,UJ4:Duplicate, Spike, or Split Exceedance;
R:Rejected.

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OTTCRK - Otter Creek Coal ANALYSES SUMMARY REPORT

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36		OCC-1310-114	10/22/2013AVF4-P2	
37		OCC-1310-115	10/22/2013AVF4-P3	
40		OCC-1310-116	10/22/2013AVF7-P1	
41		OCC-1310-117	10/22/2013AVF7-P2	
42		OCC-1310-118	10/22/2013AVF7-P3	
43		OCC-1310-119	10/22/2013AVF7-P4	
44		OCC-1310-120	10/22/2013AVF8-P1	
45		OCC-1310-121	10/22/2013AVF8-P2	
46		OCC-1310-122	10/22/2013AVF8-P3	
47		OCC-1310-123	10/22/2013AVF8-P4	
48		OCC-1310-124	10/22/2013AVF8-P5	
24		OCC-1311-159	11/21/2013AVF3-1	
26		OCC-1311-160	11/21/2013AVF3-3	
27		OCC-1311-161	11/21/2013AVF3-4	
32		OCC-1311-162	11/21/2013AVF4-2	
33		OCC-1311-163	11/21/2013AVF4-3	
34		OCC-1311-164	11/21/2013AVF4-4	
37		OCC-1311-165	11/21/2013AVF4-P3	
44		OCC-1311-166	11/21/2013AVF8-P1	
45		OCC-1311-167	11/21/2013AVF8-P2	
48		OCC-1311-168	11/21/2013AVF8-P5	
58		OCC-1312-119	12/12/2013B5-O	
4		OCC-1401-853	01/07/2014SW-9	
5		OCC-1401-854	01/07/2014SW-10	
11		OCC-1401-852	01/07/2014SW-18	
12		OCC-1401-851	01/07/2014SW-19	
13		OCC-1401-850	01/07/2014SW-20	
3		OCC-1401-856	01/08/2014SW-8	
6		OCC-1401-857	01/08/2014SW-11	
7		OCC-1401-858	01/08/2014SW-12	
24		OCC-1401-823	01/08/2014AVF3-1	
25		OCC-1401-824	01/08/2014AVF3-2	
26		OCC-1401-825	01/08/2014AVF3-3	
27		OCC-1401-826	01/08/2014AVF3-4	
28		OCC-1401-815	01/08/2014AVF3-P1	
29		OCC-1401-814	01/08/2014AVF3-P2	
30		OCC-1401-813	01/08/2014AVF3-P3	
31		OCC-1401-827	01/08/2014AVF4-1	
32		OCC-1401-828	01/08/2014AVF4-2	
33		OCC-1401-829	01/08/2014AVF4-3	
34		OCC-1401-830	01/08/2014AVF4-4	
35		OCC-1401-822	01/08/2014AVF4-P1	
36		OCC-1401-831	01/08/2014AVF4-P2	
37		OCC-1401-817	01/08/2014AVF4-P3	
40		OCC-1401-811	01/08/2014AVF7-P1	
41		OCC-1401-812	01/08/2014AVF7-P2	
42		OCC-1401-810	01/08/2014AVF7-P3	
43		OCC-1401-809	01/08/2014AVF7-P4	
44		OCC-1401-819	01/08/2014AVF8-P1	
45		OCC-1401-820	01/08/2014AVF8-P2	
46		OCC-1401-821	01/08/2014AVF8-P3	
47		OCC-1401-816	01/08/2014AVF8-P4	
48		OCC-1401-818	01/08/2014AVF8-P5	
91		OCC-1401-855	01/08/2014P4	
10		OCC-1401-860	01/09/2014SW-17	
100		OCC-1401-859	01/09/2014FORTUNE SPRING	
42	3110493001	OCC-1311-100	11/21/2013AVF7-P3	

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Page	Sample Number	Lab ##	Date Site Code
53	OCC-1312-100	3120229001	12/10/2013B3-U
52	OCC-1312-101	3120229002	12/10/2013B3-K
49	OCC-1312-102	3120229003	12/10/2013B1-U
56	OCC-1312-103	3120229005	12/11/2013B4-U
54	OCC-1312-104	3120229004	12/11/2013B4-K
55	OCC-1312-105	3120229006	12/11/2013B4-O
73	OCC-1312-106	3120229007	12/11/2013B10-KL
74	OCC-1312-107	3120229008	12/11/2013B10-KU
75	OCC-1312-108	3120229009	12/11/2013B10-O
76	OCC-1312-109	3120229010	12/11/2013B10-U
59	OCC-1312-110	3120229011	12/12/2013B5-U
57	OCC-1312-111	3120229012	12/12/2013B5-K
81	OCC-1312-112	3120229013	12/12/2013C-3
39	OCC-1312-113	3120229014	12/12/2013AVF6-3
80	OCC-1312-114	3120229015	12/13/2013C-2
80	OCC-1312-115	3120229016	12/13/2013C-2
17	OCC-1312-116	3120229017	12/13/2013A3
96	OCC-1312-117	3120229018	12/13/2013DI BLANK
23	OCC-1312-118	3120229019	12/13/2013AVF2-2
58	OCC-1312-119		12/12/2013B5-O
19	OCC-1401-100	4010145001	01/07/2014A5
61	OCC-1401-101	4010145002	01/07/2014B6-O
60	OCC-1401-102	4010145003	01/07/2014B6-K
60	OCC-1401-103	4010145004	01/07/2014B6-K
62	OCC-1401-104	4010145005	01/07/2014B6-U
50	OCC-1401-105	4010145006	01/08/2014B2-K
51	OCC-1401-106	4010145007	01/08/2014B2-U
92	OCC-1401-200	4010145008	01/08/2014P5
89	OCC-1401-201	4010145009	01/08/2014P1
96	OCC-1401-202	4010145010	01/08/2014DI BLANK
98	OCC-1401-203	4010145011	01/08/2014RINS BLANK
101	OCC-1401-204	4010145012	01/09/2014SW-25
1	OCC-1401-205	4010145013	01/09/2014SW-2
8	OCC-1401-206	4010145014	01/09/2014SW-16
8	OCC-1401-207	4010145015	01/09/2014SW-16
94	OCC-1401-208	4010145016	01/09/2014P6
14	OCC-1401-209	4010145017	01/09/2014SW-22
84	OCC-1401-800	4010147001	01/07/2014K-2
88	OCC-1401-801	4010147002	01/07/2014K-6
88	OCC-1401-802	4010147003	01/07/2014K-6
86	OCC-1401-803	4010147004	01/07/2014K-4
85	OCC-1401-804	4010147005	01/07/2014K-3
22	OCC-1401-805	4010147006	01/07/2014AVF1-2
18	OCC-1401-806	4010147007	01/07/2014A4
96	OCC-1401-807	4010147008	01/08/2014DI BLANK
98	OCC-1401-808	4010147009	01/08/2014RINS BLANK
43	OCC-1401-809		01/08/2014AVF7-P4
42	OCC-1401-810		01/08/2014AVF7-P3
40	OCC-1401-811		01/08/2014AVF7-P1
41	OCC-1401-812		01/08/2014AVF7-P2
30	OCC-1401-813		01/08/2014AVF3-P3
29	OCC-1401-814		01/08/2014AVF3-P2
28	OCC-1401-815		01/08/2014AVF3-P1
47	OCC-1401-816		01/08/2014AVF8-P4
37	OCC-1401-817		01/08/2014AVF4-P3
48	OCC-1401-818		01/08/2014AVF8-P5
44	OCC-1401-819		01/08/2014AVF8-P1
45	OCC-1401-820		01/08/2014AVF8-P2
46	OCC-1401-821		01/08/2014AVF8-P3
35	OCC-1401-822		01/08/2014AVF4-P1
24	OCC-1401-823		01/08/2014AVF3-1
25	OCC-1401-824		01/08/2014AVF3-2
26	OCC-1401-825		01/08/2014AVF3-3
27	OCC-1401-826		01/08/2014AVF3-4
31	OCC-1401-827		01/08/2014AVF4-1
32	OCC-1401-828		01/08/2014AVF4-2
33	OCC-1401-829		01/08/2014AVF4-3
34	OCC-1401-830		01/08/2014AVF4-4
36	OCC-1401-831		01/08/2014AVF4-P2
13	OCC-1401-850		01/07/2014SW-20

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Page	Lab ##	Sample Number	Date Site Code
30	3110493002	OCC-1311-102	11/21/2013AVF3-P3
47	3110493003	OCC-1311-104	11/21/2013AVF8-P4
96	3110493004	OCC-1311-105	11/21/2013DI BLANK
35	3110493005	OCC-1311-106	11/21/2013AVF4-P1
38	3110493006	OCC-1311-107	11/22/2013AVF5-1
20	3110493007	OCC-1311-108	11/22/2013A6
21	3110493008	OCC-1311-109	11/22/2013A7
41	3110493009	OCC-1311-101	11/22/2013AVF7-P2
28	3110493010	OCC-1311-103	11/21/2013AVF3-P1
16	3110493011	OCC-1311-150	11/21/2013A1
43	3110493012	OCC-1311-151	11/21/2013AVF7-P4
40	3110493013	OCC-1311-152	11/21/2013AVF7-P1
29	3110493014	OCC-1311-153	11/21/2013AVF3-P2
25	3110493015	OCC-1311-154	11/21/2013AVF3-2
46	3110493016	OCC-1311-155	11/21/2013AVF8-P3
46	3110493017	OCC-1311-156	11/21/2013AVF8-P3
36	3110493018	OCC-1311-157	11/21/2013AVF4-P2
31	3110493019	OCC-1311-158	11/21/2013AVF4-1
65	3110522001	OCC-1311-300	11/25/2013B7-O
64	3110522002	OCC-1311-301	11/25/2013B7-KU
63	3110522003	OCC-1311-302	11/25/2013B7-KL
71	3110522004	OCC-1311-303	11/25/2013B9-K
72	3110522005	OCC-1311-304	11/25/2013B9-U
66	3110522006	OCC-1311-305	11/26/2013B7-U
67	3110522007	OCC-1311-306	11/26/2013B8-KL
70	3110522008	OCC-1311-307	11/26/2013B8-U
68	3110522009	OCC-1311-308	11/26/2013B8-KU
69	3110522010	OCC-1311-309	11/26/2013B8-O
77	3110522011	OCC-1311-310	11/26/2013B11-K
83	3110522012	OCC-1311-311	11/27/2013K-1
87	3110522013	OCC-1311-312	11/27/2013K-5
82	3110522014	OCC-1311-313	11/27/2013C-4
82	3110522015	OCC-1311-314	11/27/2013C-4
79	3110522016	OCC-1311-315	11/27/2013B11-U
78	3110522017	OCC-1311-316	11/27/2013B11-O
53	3120229001	OCC-1312-100	12/10/2013B3-U
52	3120229002	OCC-1312-101	12/10/2013B3-K
49	3120229003	OCC-1312-102	12/10/2013B1-U
54	3120229004	OCC-1312-104	12/11/2013B4-K
56	3120229005	OCC-1312-103	12/11/2013B4-U
55	3120229006	OCC-1312-105	12/11/2013B4-O
73	3120229007	OCC-1312-106	12/11/2013B10-KL
74	3120229008	OCC-1312-107	12/11/2013B10-KU
75	3120229009	OCC-1312-108	12/11/2013B10-O
76	3120229010	OCC-1312-109	12/11/2013B10-U
59	3120229011	OCC-1312-110	12/12/2013B5-U
57	3120229012	OCC-1312-111	12/12/2013B5-K
81	3120229013	OCC-1312-112	12/12/2013C-3
39	3120229014	OCC-1312-113	12/12/2013AVF6-3
80	3120229015	OCC-1312-114	12/13/2013C-2
80	3120229016	OCC-1312-115	12/13/2013C-2
17	3120229017	OCC-1312-116	12/13/2013A3
96	3120229018	OCC-1312-117	12/13/2013DI BLANK
23	3120229019	OCC-1312-118	12/13/2013AVF2-2
19	4010145001	OCC-1401-100	01/07/2014A5
61	4010145002	OCC-1401-101	01/07/2014B6-O
60	4010145003	OCC-1401-102	01/07/2014B6-K
60	4010145004	OCC-1401-103	01/07/2014B6-K
62	4010145005	OCC-1401-104	01/07/2014B6-U
50	4010145006	OCC-1401-105	01/08/2014B2-K
51	4010145007	OCC-1401-106	01/08/2014B2-U
92	4010145008	OCC-1401-200	01/08/2014P5
89	4010145009	OCC-1401-201	01/08/2014P1
96	4010145010	OCC-1401-202	01/08/2014DI BLANK
98	4010145011	OCC-1401-203	01/08/2014RINS BLANK
101	4010145012	OCC-1401-204	01/09/2014SW-25
1	4010145013	OCC-1401-205	01/09/2014SW-2
8	4010145014	OCC-1401-206	01/09/2014SW-16
8	4010145015	OCC-1401-207	01/09/2014SW-16
94	4010145016	OCC-1401-208	01/09/2014P6

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Page	Sample Number	Lab ##	Date	Site Code
12	OCC-1401-851		01/07/2014	SW-19
11	OCC-1401-852		01/07/2014	SW-18
4	OCC-1401-853		01/07/2014	SW-9
5	OCC-1401-854		01/07/2014	SW-10
91	OCC-1401-855		01/08/2014	P4
3	OCC-1401-856		01/08/2014	SW-8
6	OCC-1401-857		01/08/2014	SW-11
7	OCC-1401-858		01/08/2014	SW-12
100	OCC-1401-859		01/09/2014	FORTUNE SPRING
10	OCC-1401-860		01/09/2014	SW-17

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Page	Lab ##	Sample Number	Date	Site Code
14	4010145017	OCC-1401-209	01/09/2014	SW-22
84	4010147001	OCC-1401-800	01/07/2014	K-2
88	4010147002	OCC-1401-801	01/07/2014	K-6
88	4010147003	OCC-1401-802	01/07/2014	K-6
86	4010147004	OCC-1401-803	01/07/2014	K-4
85	4010147005	OCC-1401-804	01/07/2014	K-3
22	4010147006	OCC-1401-805	01/07/2014	AVF1-2
18	4010147007	OCC-1401-806	01/07/2014	A4
96	4010147008	OCC-1401-807	01/08/2014	DI BLANK
98	4010147009	OCC-1401-808	01/08/2014	RINS BLANK

PARAMETERS PRINTED ON REPORT

Parameter Code	Description
1.135	DEPTH TO WATER LEVEL (FEET)
1.216	FLOW CFS
1.377	PH (FLD)
1.378	PH
1.486	SODIUM ADSORPTION RATIO
1.540	SC (UMHOS/CM AT 25 C)
1.541	SC (UMHOS/CM AT 25 C) (FLD)
1.675	TDS (MEASURED AT 180 C)
1.810	TOTAL SUSPENDED SOLIDS
1.891	TURBIDITY (NTU)
1.972	WATER TEMPERATURE (FLD)
2.140	CALCIUM (CA) DIS
2.142	CALCIUM (CA) TRC
2.160	MAGNESIUM (MG) DIS
2.163	MAGNESIUM (MG) TRC
2.180	SODIUM (NA) DIS
2.182	SODIUM (NA) TRC
2.200	POTASSIUM (K) DIS
2.202	POTASSIUM (K) TRC
2.240	TOTAL ALKALINITY AS CACO3
2.280	TOTAL ACIDITY AS CACO3
2.340	BICARBONATE (HCO3)
2.380	CARBONATE AS CO3
2.400	SULFATE (SO4)
2.420	CHLORIDE (CL)
2.440	FLUORIDE (F)
2.500	HYDROXIDE (OH)
3.355	NITRATE + NITRITE AS N
5.006	ALUMINUM (AL) DIS
5.006	ALUMINUM (AL) TRC
5.054	ARSENIC (AS) DIS
5.054	ARSENIC (AS) TRC
5.084	BARIUM (BA) DIS
5.084	BARIUM (BA) TRC
5.108	BERYLLIUM (BE) DIS
5.108	BERYLLIUM (BE) TRC
5.138	BORON (B) DIS
5.138	BORON (B) TRC
5.180	CADMIUM (CD) DIS
5.180	CADMIUM (CD) TRC
5.228	CHROMIUM (CR) DIS
5.228	CHROMIUM (CR) TRC
5.276	COPPER (CU) DIS
5.276	COPPER (CU) TRC
5.378	IRON (FE) DIS
5.378	IRON (FE) TRC
5.414	LEAD (PB) DIS
5.414	LEAD (PB) TRC
5.468	MANGANESE (MN) DIS
5.468	MANGANESE (MN) TRC
5.492	MERCURY (HG) DIS
5.492	MERCURY (HG) TOT
5.516	MOLYBDENUM (MO) DIS
5.516	MOLYBDENUM (MO) TRC
5.540	NICKEL (NI) DIS
5.540	NICKEL (NI) TRC
5.612	SELENIUM (SE) DIS
5.612	SELENIUM (SE) TRC
5.852	VANADIUM (V) DIS
5.852	VANADIUM (V) TRC
5.882	ZINC (ZN) DIS
5.882	ZINC (ZN) TRC

NOTES: Only the above parameters were selected for this report, there may be more parameters in the DataMan Database.
All parameters are Laboratory (LAB) unless noted as Field (FLD) or Calculated (CALC).
TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Otter Creek Coal, LLC
Q1 2014 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

May 2014

Otter Creek Coal, LLC
Q1 2014 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 2/12/2014 through 04/15/2014
- Total number of samples taken at existing wells: 81 site samples, 4 field duplicates, 51 field observations (which includes piezometer well observations), 6 DI and rinsate blanks, for a total of 142 samples.
- Frequency for field duplicates was 1 per 20.25 and 1 per 13.5 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 8 samples collected.

Violations involving field quality control:

- Sample OCC-1403-919 and its duplicate OCC-1403-920 had an RPD of 59% for the analyte Nitrate + Nitrite as N. A validation qualifier J was placed on associated samples for this analyte for an RPD exceedance.

Violations involving laboratory quality control:

- For batches H14030296, H14030299, H14030353, H14030412, H14040086, and H14040323 the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Sample OCC-1403-705 was flagged with laboratory qualifier "H" for exceeding the holding time for the analyte Total Suspended Solids. A validation qualifier "H" was placed on this sample for this analyte for hold time exceedance.
- Samples OCC-1403-940, OCC-1403-941, and OCC-1403-942 were flagged with laboratory qualifier "H" for exceeding the holding for the analyte Total Dissolved Solids. A validation qualifier "H" was placed on these samples for this analyte for hold time exceedance.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 99%. The project completeness

goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the analytical parameters listed in Table 3-1 Analytic Parameters Otter Creek Coal, LLC-Groundwater and Table 2-2 Analytic Parameters Otter Creek Coal, LLC-Surface Water, Mercury, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Analysis Summary Report
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Blanks
  - Table 3. Summary of Duplicates
  - Table 4. Summary Of Flagged Data
  - Table 5. Summary of Statistics

DATA VALIDATION REPORT
Prepared by: Angela Roddy

SUMMARY ANALYSES REPORT

			ANALYSIS SUMMARY REPORT	A1	A1				A1			
			Sample Date	2/12/14 12:27	3/24/14 14:30				4/14/14 11:30			
			Lab Code		EL				HYDRO			
			Sample Code		OCC-1403-422				OCC-1404-107			
			lab_sample_id		H14030353-008				HYDRO201404-002			
			WATER_LEVEL_DEPTH (FEET)	8.97	8.73				8.71			
			sample_type_code		N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION		RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS		7.93				7.94			
A4500-HB	pH - LAB	s.u.	NO MEAS		7.9	H						
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS		2550				1420			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS		2390							
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS		8.1				8.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS		1590							
E200.7	CALCIUM (CA)	mg/L	DIS		39							
E200.8	MAGNESIUM (MG)	mg/L	DIS		66							
E200.7	SODIUM (NA)	mg/L	DIS		406							
E200.7	POTASSIUM (K)	mg/L	DIS		21							
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS		720							
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS		870							
A2320B	CARBONATE AS CO3	mg/L	NO MEAS		8							
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS		< 1							
E300.0	CHLORIDE (CL)	mg/L	NO MEAS		72							
E300.0	SULFATE (SO4)	mg/L	NO MEAS		550							
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS		9.23							
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS		2.7	D						
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS		1.22							
E200.8	ALUMINUM (AL)	mg/L	DIS		< 0.009							
E200.8	ARSENIC (AS)	mg/L	DIS		0.045							
E200.8	BARIUM (BA)	mg/L	DIS		0.016							
E200.8	BERYLLIUM (BE)	mg/L	DIS		< 0.0008							
E200.7	BORON (B)	mg/L	DIS		0.36							
E200.8	CADMIUM (CD)	mg/L	DIS		< 0.00003							
E200.8	CHROMIUM (CR)	mg/L	DIS		0.011							
E200.8	COPPER (CU)	mg/L	DIS		< 0.001							
E200.8	IRON (FE)	mg/L	DIS		< 0.02							
E200.8	LEAD (PB)	mg/L	DIS		< 0.0003							
E200.8	MANGANESE (MN)	mg/L	DIS		< 0.005							
E245.1	MERCURY (HG)	mg/L	DIS		< 0.000005							
E200.8	MOLYBDENUM (MO)	mg/L	DIS		0.012							
E200.8	NICKEL (NI)	mg/L	DIS		< 0.002							
E200.8	SELENIUM (SE)	mg/L	DIS		0.006							
E200.8	VANADIUM (V)	mg/L	DIS		0.25							
E200.8	ZINC (ZN)	mg/L	DIS		< 0.008							

			ANALYSIS SUMMARY REPORT	A3			
			Sample Date	3/18/14 17:50			
			Lab Code	EL			
			Sample Code	OCC-1403-405			
			lab_sample_id	H14030299-006			
			WATER_LEVEL_DEPTH (FEET)	4.15			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	6			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3490			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3340			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2640			
E200.7	CALCIUM (CA)	mg/L	DIS	120			
E200.7	MAGNESIUM (MG)	mg/L	DIS	192			
E200.8	SODIUM (NA)	mg/L	DIS	433			
E200.7	POTASSIUM (K)	mg/L	DIS	20			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	630			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	770			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.70			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.005			
E200.8	BARIUM (BA)	mg/L	DIS	0.015			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.52			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	2.32			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.258			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	A4			
			Sample Date	3/18/14 16:57			
			Lab Code	EL			
			Sample Code	OCC-1403-404			
			lab_sample_id	H14030299-005			
			WATER_LEVEL_DEPTH (FEET)	5.4			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.3			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5830			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3160			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.9			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2510			
E200.7	CALCIUM (CA)	mg/L	DIS	116			
E200.8	MAGNESIUM (MG)	mg/L	DIS	199			
E200.7	SODIUM (NA)	mg/L	DIS	363			
E200.7	POTASSIUM (K)	mg/L	DIS	16			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	550			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	680			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.74			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.8	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.018			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.48			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.7	MANGANESE (MN)	mg/L	DIS	1.42			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.007			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	A5			
			Sample Date	3/21/14 9:00			
			Lab Code	EL			
			Sample Code	OCC-1403-419			
			lab_sample_id	H14030299-020			
			WATER_LEVEL_DEPTH (FEET)	5.81			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.48			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3650			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3480			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	4.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2680			
E200.7	CALCIUM (CA)	mg/L	DIS	143			
E200.8	MAGNESIUM (MG)	mg/L	DIS	183			
E200.8	SODIUM (NA)	mg/L	DIS	453			
E200.7	POTASSIUM (K)	mg/L	DIS	12			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	650			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	800			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1600			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.91			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.06			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.019			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.27			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.20			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.008			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	A6			
			Sample Date	3/25/14 13:35			
			Lab Code	EL			
			Sample Code	OCC-1403-427			
			lab_sample_id	H14030353-013			
			WATER_LEVEL_DEPTH (FEET)	7.05			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.54			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	6110			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	5560			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	4570			
E200.7	CALCIUM (CA)	mg/L	DIS	163			
E200.7	MAGNESIUM (MG)	mg/L	DIS	299			
E200.7	SODIUM (NA)	mg/L	DIS	860			
E200.7	POTASSIUM (K)	mg/L	DIS	26			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	780			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	950			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	20			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	2700	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	9.25			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.6			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.018			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.44			
E200.8	CADMIUM (CD)	mg/L	DIS	0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.7	MANGANESE (MN)	mg/L	DIS	1.16			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.010			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	A7			
			Sample Date	3/20/14 9:00			
			Lab Code	EL			
			Sample Code	OCC-1403-414			
			lab_sample_id	H14030299-015			
			WATER_LEVEL_DEPTH (FEET)	6.23			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.5			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4170			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3840			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2910			
E200.7	CALCIUM (CA)	mg/L	DIS	129			
E200.7	MAGNESIUM (MG)	mg/L	DIS	209			
E200.7	SODIUM (NA)	mg/L	DIS	534			
E200.7	POTASSIUM (K)	mg/L	DIS	20			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	630			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	770			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	16			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	6.76			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.9	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.003			
E200.8	BARIUM (BA)	mg/L	DIS	0.019			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.45			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	5.03			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.555			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.006			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	AVF1-2			
			Sample Date	3/18/14 15:05			
			Lab Code	EL			
			Sample Code	OCC-1403-403			
			lab_sample_id	H14030299-004			
			WATER_LEVEL_DEPTH (FEET)	7.11			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	6.1			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1848			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1740			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1190			
E200.7	CALCIUM (CA)	mg/L	DIS	53			
E200.8	MAGNESIUM (MG)	mg/L	DIS	69			
E200.8	SODIUM (NA)	mg/L	DIS	252			
E200.7	POTASSIUM (K)	mg/L	DIS	16			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	510			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	620			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	540			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.36			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.09			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.003			
E200.8	BARIUM (BA)	mg/L	DIS	0.023			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.63			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	1.42			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.193			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.010			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		AVF2-2			
		Sample Date		3/31/14 17:05			
		Lab Code		EL			
		Sample Code		OCC-1403-942			
		lab_sample_id		H14040086-003			
		WATER_LEVEL_DEPTH (FEET)		3.07			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.46			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3540			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3390			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2730	H	H	
E200.7	CALCIUM (CA)	mg/L	DIS	114			
E200.7	MAGNESIUM (MG)	mg/L	DIS	187			
E200.7	SODIUM (NA)	mg/L	DIS	447			
E200.7	POTASSIUM (K)	mg/L	DIS	22			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	500			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	610			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1600			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.99			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.8			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.004			
E200.8	BARIUM (BA)	mg/L	DIS	0.022			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.54			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	4.62			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.813			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.009			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

Location Code	AVF3-1	AVF3-1
Sample Date	2/12/14 14:19	4/15/14 13:00
Lab Code		
Sample Code		
lab_sample_id		
WATER_LEVEL_DEPTH (FEET)	9.51	8.27
sample_type_code		

			Location Code	AVF3-2	AVF3-2			
			Sample Date	2/12/14 14:20	4/15/14 13:28			
			Lab Code		EL			
			Sample Code		OCC-1404-103			
			lab_sample_id		H14040323-002			
			WATER_LEVEL_DEPTH (FEET)	10.05	8.79			
			sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION		RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS		7.4			
A4500-HB	pH - LAB	s.u.	NO MEAS		7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS		2982			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS		4860			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS		10.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS		4270			
E200.7	CALCIUM (CA)	mg/L	DIS		198			
E200.7	MAGNESIUM (MG)	mg/L	DIS		324			
E200.7	SODIUM (NA)	mg/L	DIS		642			
E200.7	POTASSIUM (K)	mg/L	DIS		25			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS		700			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS		850			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS		< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS		< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS		23			
E300.0	SULFATE (SO4)	mg/L	NO MEAS		2500	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS		6.53			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS		0.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS		< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS		< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS		0.003			
E200.8	BARIUM (BA)	mg/L	DIS		0.022			
E200.8	BERYLLIUM (BE)	mg/L	DIS		< 0.0008			
E200.8	BORON (B)	mg/L	DIS		0.35			
E200.8	CADMIUM (CD)	mg/L	DIS		< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS		< 0.001			
E200.8	COPPER (CU)	mg/L	DIS		< 0.001			
E200.7	IRON (FE)	mg/L	DIS		1.81			
E200.8	LEAD (PB)	mg/L	DIS		< 0.0003			
E200.7	MANGANESE (MN)	mg/L	DIS		1.69			
E245.1	MERCURY (HG)	mg/L	DIS		< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS		0.005			
E200.8	NICKEL (NI)	mg/L	DIS		< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS		< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS		< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS		< 0.008			

Location Code	AVF3-3
Sample Date	2/12/14 14:23
Lab Code	
Sample Code	
lab_sample_id	
WATER_LEVEL_DEPTH (FEET)	22.78
sample_type_code	

			ANALYSIS SUMMARY REPORT	AVF3-4	AVF3-4			
			Sample Date	2/12/14 13:47	4/15/14 10:45			
			Lab Code		HYDRO			
			Sample Code		OCC-1404-118			
			lab_sample_id		HYDRO201404-013			
			WATER_LEVEL_DEPTH (FEET)	7.51	5.69			
			sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION		RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS		7.42			
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS		2494			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS		10.1			

			ANALYSIS SUMMARY REPORT	AVF3-P1				AVF3-P1			
			Sample Date	2/12/14 14:25				4/15/14 12:30			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-104				OCC-1404-102			
			lab_sample_id	HYDRO02122014-001				H14040323-001			
			WATER_LEVEL_DEPTH (FEET)	9.56				8.02			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.17				7.42			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5530				3070			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					5340			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7.9				15.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					4780			
E200.7	CALCIUM (CA)	mg/L	DIS					275			
E200.7	MAGNESIUM (MG)	mg/L	DIS					236			
E200.7	SODIUM (NA)	mg/L	DIS					708			
E200.7	POTASSIUM (K)	mg/L	DIS					13			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					62			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					2600	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					7.57			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.10			

			ANALYSIS SUMMARY REPORT	AVF3-P2				AVF3-P2			
			Sample Date	2/12/14 12:40				4/15/14 14:20			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-105				OCC-1404-104			
			lab_sample_id	HYDRO02122014-002				H14040323-003			
			WATER_LEVEL_DEPTH (FEET)	5.21				3.42			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.09				7.35			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	8490				7290			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					12300			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7.7				9.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					13500			
E200.7	CALCIUM (CA)	mg/L	DIS					408			
E200.7	MAGNESIUM (MG)	mg/L	DIS					1020			
E200.7	SODIUM (NA)	mg/L	DIS					2000			
E200.7	POTASSIUM (K)	mg/L	DIS					25			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					94	D		
E300.0	SULFATE (SO4)	mg/L	NO MEAS					8900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					12.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.02			

			ANALYSIS SUMMARY REPORT	AVF3-P3				AVF3-P3			
			Sample Date	2/12/14 13:40				4/15/14 14:50			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-106				OCC-1404-105			
			lab_sample_id	HYDRO02122014-003				H14040323-004			
			WATER_LEVEL_DEPTH (FEET)	6.11				4.35			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.27				7.44			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5510				4610			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					7540			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.8				8.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					7010			
E200.7	CALCIUM (CA)	mg/L	DIS					304			
E200.7	MAGNESIUM (MG)	mg/L	DIS					482			
E200.7	SODIUM (NA)	mg/L	DIS					1150			
E200.7	POTASSIUM (K)	mg/L	DIS					21			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					77			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					4400	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					9.54			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					< 0.01			

			ANALYSIS SUMMARY REPORT	AVF4-1	AVF4-1				AVF4-1			
			Sample Date	2/12/14 16:02	3/19/14 13:25				4/15/14 8:23			
			Lab Code		EL				HYDRO			
			Sample Code		OCC-1403-428				OCC-1404-116			
			lab_sample_id		HYDRO201403-017				HYDRO201404-011			
			WATER_LEVEL_DEPTH (FEET)	5.88	3.61				5.06			
			sample_type_code		N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION		RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS		7.37				7.4			
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS		6500				3679			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS		11.1				9.5			

Location Code	AVF4-2	AVF4-2	AVF4-2
Sample Date	2/12/14 15:52	3/19/14 12:40	4/15/14 8:01
Lab Code			
Sample Code			
lab_sample_id			
WATER_LEVEL_DEPTH (FEET)	13.44	11.62	12.68
sample_type_code			

			ANALYSIS SUMMARY REPORT	AVF4-3	AVF4-3				AVF4-3			
			Sample Date	2/12/14 16:23	3/20/14 10:20				4/14/14 13:20			
			Lab Code		EL				HYDRO			
			Sample Code		OCC-1403-429				OCC-1404-112			
			lab_sample_id		HYDRO201403-018				HYDRO201404-007			
			WATER_LEVEL_DEPTH (FEET)	10.49	8.99				9.39			
			sample_type_code		N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION		RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS		7.48				7.33			
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS		6720				4181			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS		9.4				9.4			

Location Code	AVF4-4	AVF4-4	AVF4-4
Sample Date	2/12/14 16:01	3/19/14 13:24	4/15/14 8:20
Lab Code			
Sample Code			
lab_sample_id			
WATER_LEVEL_DEPTH (FEET)	5.82	3.52	4.98
sample_type_code			

			ANALYSIS SUMMARY REPORT	AVF4-P1				AVF4-P1			
			Sample Date	2/12/14 16:25				3/20/14 10:00			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-113				OCC-1403-415			
			lab_sample_id	HYDRO02122014-004				H14030299-016			
			WATER_LEVEL_DEPTH (FEET)	12.21				10.62			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.96				7.95			
A4500-HB	pH - LAB	s.u.	NO MEAS					8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5870				6340			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					6020			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7				7.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					4840			
E200.7	CALCIUM (CA)	mg/L	DIS					38			
E200.7	MAGNESIUM (MG)	mg/L	DIS					218			
E200.7	SODIUM (NA)	mg/L	DIS					1110			
E200.7	POTASSIUM (K)	mg/L	DIS					24			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					46			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					2900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					15.3			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					3.24	D		

			ANALYSIS SUMMARY REPORT	AVF4-P1			
			Sample Date	4/14/14 13:05			
			Lab Code	HYDRO			
			Sample Code	OCC-1404-111			
			lab_sample_id	HYDRO201404-006			
			WATER_LEVEL_DEPTH (FEET)	11.16			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.08			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3830			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

			ANALYSIS SUMMARY REPORT	AVF4-P2				AVF4-P2			
			Sample Date	2/12/14 16:00				3/19/14 13:30			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-114				OCC-1403-412			
			lab_sample_id	HYDRO02122014-005				H14030299-013			
			WATER_LEVEL_DEPTH (FEET)	6.31				4.28			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.29				7.14			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	6220				6810			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					6410			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7				7.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					5870			
E200.7	CALCIUM (CA)	mg/L	DIS					188			
E200.7	MAGNESIUM (MG)	mg/L	DIS					406			
E200.7	SODIUM (NA)	mg/L	DIS					947			
E200.7	POTASSIUM (K)	mg/L	DIS					23			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					26			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					3700	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					8.90			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					< 0.01			

		ANALYSIS SUMMARY REPORT		AVF4-P2			
		Sample Date		4/15/14 8:15			
		Lab Code		HYDRO			
		Sample Code		OCC-1404-115			
		lab_sample_id		HYDRO201404-010			
		WATER_LEVEL_DEPTH (FEET)		5.62			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.51			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3705			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	5.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

			ANALYSIS SUMMARY REPORT	AVF4-P3				AVF4-P3			
			Sample Date	2/12/14 15:50				3/19/14 13:15			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-115				OCC-1403-411			
			lab_sample_id	HYDRO02122014-006				H14030299-012			
			WATER_LEVEL_DEPTH (FEET)	13.71				11.97			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.2				7.3			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.3	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4749				4820			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					5230			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.3				11.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					4810			
E200.7	CALCIUM (CA)	mg/L	DIS					269			
E200.7	MAGNESIUM (MG)	mg/L	DIS					355			
E200.7	SODIUM (NA)	mg/L	DIS					576			
E200.7	POTASSIUM (K)	mg/L	DIS					11			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					2800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					5.42			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					1.25			

			ANALYSIS SUMMARY REPORT	AVF4-P3			
			Sample Date	4/15/14 7:58			
			Lab Code	HYDRO			
			Sample Code	OCC-1404-114			
			lab_sample_id	HYDRO201404-009			
			WATER_LEVEL_DEPTH (FEET)	12.91			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.51			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2693			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

		ANALYSIS SUMMARY REPORT		AVF5-1			
		Sample Date		3/18/14 11:58			
		Lab Code		EL			
		Sample Code		OCC-1403-402			
		lab_sample_id		H14030299-003			
		WATER_LEVEL_DEPTH (FEET)		11.71			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.9			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1690			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1650			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1140			
E200.7	CALCIUM (CA)	mg/L	DIS	77			
E200.8	MAGNESIUM (MG)	mg/L	DIS	87			
E200.8	SODIUM (NA)	mg/L	DIS	172			
E200.7	POTASSIUM (K)	mg/L	DIS	14			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	480			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	580			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	530			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	3.20			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	1.16			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.026			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.67			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.044			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.008			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	AVF6-3			
			Sample Date	3/24/14 17:01			
			Lab Code	EL			
			Sample Code	OCC-1403-424			
			lab_sample_id	H14030353-010			
			WATER_LEVEL_DEPTH (FEET)	12.61			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.7			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.2	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3320			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3040			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2220			
E200.7	CALCIUM (CA)	mg/L	DIS	95			
E200.7	MAGNESIUM (MG)	mg/L	DIS	129			
E200.7	SODIUM (NA)	mg/L	DIS	420			
E200.7	POTASSIUM (K)	mg/L	DIS	21			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	620			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	760			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1200			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	6.60			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.7			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.79			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.007			
E200.8	BARIUM (BA)	mg/L	DIS	0.021			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.47			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.176			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.004			
E200.8	VANADIUM (V)	mg/L	DIS	0.09			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		AVF7-P1				AVF7-P1			
		Sample Date		2/12/14 12:30				3/24/14 19:20			
		Lab Code		HYDRO				EL			
		Sample Code		OCC-1402-116				OCC-1403-425			
		lab_sample_id		HYDRO02122014-007				H14030353-011			
		WATER_LEVEL_DEPTH (FEET)		11.62				9.9			
		sample_type_code		N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.43				7.96			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4369				4130			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					4050			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7.6				4.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					3100			
E200.7	CALCIUM (CA)	mg/L	DIS					90			
E200.7	MAGNESIUM (MG)	mg/L	DIS					178			
E200.7	SODIUM (NA)	mg/L	DIS					632			
E200.7	POTASSIUM (K)	mg/L	DIS					25			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					32			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					1600	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					8.88			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.95			

			ANALYSIS SUMMARY REPORT	AVF7-P1			
			Sample Date	4/14/14 12:30			
			Lab Code	HYDRO			
			Sample Code	OCC-1404-109			
			lab_sample_id	HYDRO201404-004			
			WATER_LEVEL_DEPTH (FEET)	10.57			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.76			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2539			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.9			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

			ANALYSIS SUMMARY REPORT	AVF7-P2				AVF7-P2			
			Sample Date	2/12/14 12:35				3/20/14 11:15			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-117				OCC-1403-416			
			lab_sample_id	HYDRO02122014-008				H14030299-017			
			WATER_LEVEL_DEPTH (FEET)	13.2				11.62			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.59				7.81			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3974				4110			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					3890			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.4				9.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					2820			
E200.7	CALCIUM (CA)	mg/L	DIS					50			
E200.7	MAGNESIUM (MG)	mg/L	DIS					115			
E200.7	SODIUM (NA)	mg/L	DIS					694			
E200.7	POTASSIUM (K)	mg/L	DIS					25			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					28			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					1500	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					12.4			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.59			

			ANALYSIS SUMMARY REPORT	AVF7-P2			
			Sample Date	4/14/14 12:40			
			Lab Code	HYDRO			
			Sample Code	OCC-1404-110			
			lab_sample_id	HYDRO201404-005			
			WATER_LEVEL_DEPTH (FEET)	12.26			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.92			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2125			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

			ANALYSIS SUMMARY REPORT	AVF7-P3				AVF7-P3			
			Sample Date	2/12/14 12:25				3/25/14 7:20			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-118				OCC-1403-426			
			lab_sample_id	HYDRO02122014-009				H14030353-012			
			WATER_LEVEL_DEPTH (FEET)	5.22				3.74			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	6.8				7.54			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	7870				8100			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					7400			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.8				4.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					6780			
E200.7	CALCIUM (CA)	mg/L	DIS					149			
E200.7	MAGNESIUM (MG)	mg/L	DIS					430			
E200.7	SODIUM (NA)	mg/L	DIS					1340			
E200.7	POTASSIUM (K)	mg/L	DIS					25			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					26			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					3900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					12.6			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.03		J	

			ANALYSIS SUMMARY REPORT	AVF7-P3			
			Sample Date	4/14/14 12:00			
			Lab Code	HYDRO			
			Sample Code	OCC-1404-108			
			lab_sample_id	HYDRO201404-003			
			WATER_LEVEL_DEPTH (FEET)	4.53			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.61			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4274			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

			ANALYSIS SUMMARY REPORT	AVF7-P4				AVF7-P4			
			Sample Date	2/12/14 12:20				3/24/14 15:00			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-119				OCC-1403-423			
			lab_sample_id	HYDRO02122014-010				H14030353-009			
			WATER_LEVEL_DEPTH (FEET)	5.95				4.51			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.08				7.43			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	10270				14900			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					14100			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	7.4				3.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					15100			
E200.7	CALCIUM (CA)	mg/L	DIS					271			
E200.7	MAGNESIUM (MG)	mg/L	DIS					835			
E200.7	SODIUM (NA)	mg/L	DIS					2860			
E200.7	POTASSIUM (K)	mg/L	DIS					27			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					34			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					9200	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					19.4			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					1.26			

		ANALYSIS SUMMARY REPORT		AVF7-P4			
		Sample Date		4/14/14 10:45			
		Lab Code		HYDRO			
		Sample Code		OCC-1404-106			
		lab_sample_id		HYDRO201404-001			
		WATER_LEVEL_DEPTH (FEET)		5.4			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.51			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	8300			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				

Location Code	AVF8-P1	AVF8-P1	AVF8-P1
Sample Date	2/12/14 15:32	3/31/14 13:40	4/14/14 14:00
Lab Code			
Sample Code			
lab_sample_id			
WATER_LEVEL_DEPTH (FEET)	DRY @ 17.55	17.13	DRY @ 17.38
sample_type_code			

Location Code	AVF8-P2	AVF8-P2	AVF8-P2
Sample Date	2/12/14 15:34	3/31/14 13:35	4/14/14 14:05
Lab Code			
Sample Code			
lab_sample_id			
WATER_LEVEL_DEPTH (FEET)	DRY @ 18.07	DRY @ 18.10	DRY @17.84
sample_type_code			

			ANALYSIS SUMMARY REPORT	AVF8-P3				AVF8-P3			
			Sample Date	2/12/14 15:10				3/31/14 13:30			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-122				OCC-1403-941			
			lab_sample_id	HYDRO02122014-011				H14040086-002			
			WATER_LEVEL_DEPTH (FEET)	7.51				5.13			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.31				7.36			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5170				5370			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					5220			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.2				6.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					4580	H	H	
E200.7	CALCIUM (CA)	mg/L	DIS					180			
E200.7	MAGNESIUM (MG)	mg/L	DIS					332			
E200.7	SODIUM (NA)	mg/L	DIS					743			
E200.7	POTASSIUM (K)	mg/L	DIS					23			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS					710			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS					870			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS					< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS					< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					23			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					2800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					7.59			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS					0.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.08			
E200.8	ALUMINUM (AL)	mg/L	DIS					0.026			
E200.8	ARSENIC (AS)	mg/L	DIS					< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS					0.021			
E200.8	BERYLLIUM (BE)	mg/L	DIS					< 0.0008			
E200.7	BORON (B)	mg/L	DIS					0.56			
E200.8	CADMIUM (CD)	mg/L	DIS					< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS					< 0.001			
E200.8	COPPER (CU)	mg/L	DIS					< 0.001			
E200.8	IRON (FE)	mg/L	DIS					0.03			
E200.8	LEAD (PB)	mg/L	DIS					< 0.0003			
E200.7	MANGANESE (MN)	mg/L	DIS					2.53			
E245.1	MERCURY (HG)	mg/L	DIS					< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS					0.010			
E200.8	NICKEL (NI)	mg/L	DIS					0.007			
E200.8	SELENIUM (SE)	mg/L	DIS					0.001			
E200.8	VANADIUM (V)	mg/L	DIS					< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS					< 0.008			

		ANALYSIS SUMMARY REPORT		AVF8-P3			
		Sample Date		4/14/14 14:30			
		Lab Code		HYDRO			
		Sample Code		OCC-1404-113			
		lab_sample_id		HYDRO201404-008			
		WATER_LEVEL_DEPTH (FEET)		5.93			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.7			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2441			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS				
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS				
A2320B	CARBONATE AS CO3	mg/L	NO MEAS				
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				
E200.8	ALUMINUM (AL)	mg/L	DIS				
E200.8	ARSENIC (AS)	mg/L	DIS				
E200.8	BARIUM (BA)	mg/L	DIS				
E200.8	BERYLLIUM (BE)	mg/L	DIS				
E200.7	BORON (B)	mg/L	DIS				
E200.8	CADMIUM (CD)	mg/L	DIS				
E200.8	CHROMIUM (CR)	mg/L	DIS				
E200.8	COPPER (CU)	mg/L	DIS				
E200.8	IRON (FE)	mg/L	DIS				
E200.8	LEAD (PB)	mg/L	DIS				
E200.7	MANGANESE (MN)	mg/L	DIS				
E245.1	MERCURY (HG)	mg/L	DIS				
E200.8	MOLYBDENUM (MO)	mg/L	DIS				
E200.8	NICKEL (NI)	mg/L	DIS				
E200.8	SELENIUM (SE)	mg/L	DIS				
E200.8	VANADIUM (V)	mg/L	DIS				
E200.8	ZINC (ZN)	mg/L	DIS				

			ANALYSIS SUMMARY REPORT	AVF8-P4				AVF8-P4			
			Sample Date	2/12/14 14:44				3/31/14 12:30			
			Lab Code	HYDRO				EL			
			Sample Code	OCC-1402-123				OCC-1403-940			
			lab_sample_id	HYDRO02122014-012				H14040086-001			
			WATER_LEVEL_DEPTH (FEET)	8.51				6.83			
			sample_type_code	N				N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.6				7.5			
A4500-HB	pH - LAB	s.u.	NO MEAS					7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	6210				6650			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS					6460			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.6				4.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS					5750	H	H	
E200.7	CALCIUM (CA)	mg/L	DIS					189			
E200.7	MAGNESIUM (MG)	mg/L	DIS					384			
E200.7	SODIUM (NA)	mg/L	DIS					1080			
E200.7	POTASSIUM (K)	mg/L	DIS					31			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS					810			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS					990			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS					< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS					< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS					26			
E300.0	SULFATE (SO4)	mg/L	NO MEAS					3400	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS					10.4			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS					0.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS					0.37			
E200.8	ALUMINUM (AL)	mg/L	DIS					0.041			
E200.8	ARSENIC (AS)	mg/L	DIS					< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS					0.019			
E200.8	BERYLLIUM (BE)	mg/L	DIS					< 0.0008			
E200.7	BORON (B)	mg/L	DIS					0.66			
E200.8	CADMIUM (CD)	mg/L	DIS					0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS					0.002			
E200.8	COPPER (CU)	mg/L	DIS					0.002			
E200.8	IRON (FE)	mg/L	DIS					< 0.02			
E200.8	LEAD (PB)	mg/L	DIS					< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS					0.353			
E245.1	MERCURY (HG)	mg/L	DIS					< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS					0.014			
E200.8	NICKEL (NI)	mg/L	DIS					0.003			
E200.8	SELENIUM (SE)	mg/L	DIS					0.002			
E200.8	VANADIUM (V)	mg/L	DIS					< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS					0.060			

		ANALYSIS SUMMARY REPORT		AVF8-P4			
		Sample Date		4/15/14 10:50			
		Lab Code		HYDRO			
		Sample Code		OCC-1404-119			
		lab_sample_id		HYDRO201404-014			
		WATER_LEVEL_DEPTH (FEET)		7.27			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.74			
A4500-HB	pH - LAB	s.u.	NO MEAS				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3893			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS				
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	9.0			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS				
E200.7	MAGNESIUM (MG)	mg/L	DIS				
E200.7	SODIUM (NA)	mg/L	DIS				
E200.7	POTASSIUM (K)	mg/L	DIS				
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS				
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS				
A2320B	CARBONATE AS CO3	mg/L	NO MEAS				
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS				
E300.0	CHLORIDE (CL)	mg/L	NO MEAS				
E300.0	SULFATE (SO4)	mg/L	NO MEAS				
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS				
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS				
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS				
E200.8	ALUMINUM (AL)	mg/L	DIS				
E200.8	ARSENIC (AS)	mg/L	DIS				
E200.8	BARIUM (BA)	mg/L	DIS				
E200.8	BERYLLIUM (BE)	mg/L	DIS				
E200.7	BORON (B)	mg/L	DIS				
E200.8	CADMIUM (CD)	mg/L	DIS				
E200.8	CHROMIUM (CR)	mg/L	DIS				
E200.8	COPPER (CU)	mg/L	DIS				
E200.8	IRON (FE)	mg/L	DIS				
E200.8	LEAD (PB)	mg/L	DIS				
E200.8	MANGANESE (MN)	mg/L	DIS				
E245.1	MERCURY (HG)	mg/L	DIS				
E200.8	MOLYBDENUM (MO)	mg/L	DIS				
E200.8	NICKEL (NI)	mg/L	DIS				
E200.8	SELENIUM (SE)	mg/L	DIS				
E200.8	VANADIUM (V)	mg/L	DIS				
E200.8	ZINC (ZN)	mg/L	DIS				

			ANALYSIS SUMMARY REPORT	AVF8-P5	AVF8-P5	AVF8-P5			
			Sample Date	2/12/14 14:40	3/31/14 11:30	4/15/14 15:25			
			Lab Code			HYDRO			
			Sample Code			OCC-1404-117			
			lab_sample_id			HYDRO201404-012			
			WATER_LEVEL_DEPTH (FEET)	DRY @ 16.41	15.63	15.89			
			sample_type_code			N			
METHOD	CHEMICAL NAME	UNIT	FRACTION			RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS			8.17			
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS			5230			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS			16.4			

			ANALYSIS SUMMARY REPORT	B10-KL			
			Sample Date	3/25/14 17:20			
			Lab Code	EL			
			Sample Code	OCC-1403-917			
			lab_sample_id	H14030412-004			
			WATER_LEVEL_DEPTH (FEET)	61.07			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.46			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1360			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1430			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	14.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	863	D		
E200.7	CALCIUM (CA)	mg/L	DIS	3			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	365			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	820			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	920			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	37			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	31			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	45.2			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	2.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	0.071			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.147			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.10			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.07			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.013			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B10-KU			
		Sample Date		3/25/14 16:55			
		Lab Code		EL			
		Sample Code		OCC-1403-918			
		lab_sample_id		H14030412-003			
		WATER_LEVEL_DEPTH (FEET)		47.2			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.34			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.3	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4190			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	5060			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3760	D		
E200.7	CALCIUM (CA)	mg/L	DIS	95			
E200.7	MAGNESIUM (MG)	mg/L	DIS	42			
E200.7	SODIUM (NA)	mg/L	DIS	1200			
E200.7	POTASSIUM (K)	mg/L	DIS	13			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	1200			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1400			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	25.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.016			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.30			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.51			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.045			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B10-O				B10-O			
			Sample Date	3/25/14 18:00				3/25/14 18:10			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-919				OCC-1403-920			
			lab_sample_id	H14030412-005				H14030412-006			
			WATER_LEVEL_DEPTH (FEET)	28.2				28.2			
			sample_type_code	N				D			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK				
FIELD	PH - FLD	s.u.	NO MEAS	5.91							
A4500-HB	pH - LAB	s.u.	NO MEAS	5.9	H			5.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2770							
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3340				3330			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.2							
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3520	D			3540	D		
E200.7	CALCIUM (CA)	mg/L	DIS	29				28			
E200.7	MAGNESIUM (MG)	mg/L	DIS	26				25			
E200.7	SODIUM (NA)	mg/L	DIS	765				755			
E200.8	POTASSIUM (K)	mg/L	DIS	8				7			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	320				320			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	400				390			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1				< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1				< 1			
A2310B	TOTAL ACIDITY AS CACO3	mg/L	NO MEAS	200				210			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17				16			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1300	D			1300			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	24.8				24.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.2				0.2			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.79	D	J		0.43	D		
E200.7	ALUMINUM (AL)	mg/L	DIS	3.74	D			3.65	D		
E200.8	ARSENIC (AS)	mg/L	DIS	0.192				0.182			
E200.8	BARIUM (BA)	mg/L	DIS	0.077				0.081			
E200.8	BERYLLIUM (BE)	mg/L	DIS	0.0016				0.0015			
E200.8	BORON (B)	mg/L	DIS	0.38				0.38			
E200.8	CADMIUM (CD)	mg/L	DIS	0.0003	D			0.0004	D		
E200.8	CHROMIUM (CR)	mg/L	DIS	0.010				0.009			
E200.8	COPPER (CU)	mg/L	DIS	0.011				0.010			
E200.7	IRON (FE)	mg/L	DIS	26.3	D			25.8	D		
E200.8	LEAD (PB)	mg/L	DIS	0.0132				0.0130			
E200.8	MANGANESE (MN)	mg/L	DIS	0.100				0.098			
E245.1	MERCURY (HG)	mg/L	DIS	0.00011				0.00010			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.020				0.021			
E200.8	NICKEL (NI)	mg/L	DIS	0.027				0.029			
E200.8	SELENIUM (SE)	mg/L	DIS	0.003				< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	0.03				0.03			
E200.8	ZINC (ZN)	mg/L	DIS	0.09	D			0.08	D		

			ANALYSIS SUMMARY REPORT	B10-U			
			Sample Date	3/25/14 18:50			
			Lab Code	EL			
			Sample Code	OCC-1403-921			
			lab_sample_id	H14030412-007			
			WATER_LEVEL_DEPTH (FEET)	67.45			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.47			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1150			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1370			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	813	D		
E200.7	CALCIUM (CA)	mg/L	DIS	3			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	343			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	710			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	800			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	31			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	67			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	45.4			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	2.0	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.139			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.035			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B11-K			
		Sample Date		3/20/14 8:30			
		Lab Code		EL			
		Sample Code		OCC-1403-912			
		lab_sample_id		H14030296-013			
		WATER_LEVEL_DEPTH (FEET)		191.26			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.4			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	954			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1100			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	666			
E200.7	CALCIUM (CA)	mg/L	DIS	1			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.8	SODIUM (NA)	mg/L	DIS	274			
E200.7	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	630			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	730			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	21			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	3			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	55.9			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.136			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.113			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.12			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.08			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.012			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B11-O			
		Sample Date		3/20/14 9:00			
		Lab Code		EL			
		Sample Code		OCC-1403-913			
		lab_sample_id		H14030296-014			
		WATER_LEVEL_DEPTH (FEET)		111.17			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.72			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	6530			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	7500			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	7020			
E200.7	CALCIUM (CA)	mg/L	DIS	62			
E200.7	MAGNESIUM (MG)	mg/L	DIS	36			
E200.7	SODIUM (NA)	mg/L	DIS	1790			
E200.7	POTASSIUM (K)	mg/L	DIS	11			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	720			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	880			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	18			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	3700	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	44.7			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.9	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.57			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.031			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.026			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.19			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.04			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.138			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.006			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B11-U			
			Sample Date	3/20/14 11:40			
			Lab Code	EL			
			Sample Code	OCC-1403-914			
			lab_sample_id	H14030296-015			
			WATER_LEVEL_DEPTH (FEET)	175.78			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.8			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	850			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	973			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	16.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	583			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	234			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	550			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	610			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	31			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	10			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	39.3			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.7	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.011			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.066			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.11			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B1-C			
		Sample Date		3/18/14 8:25			
		Lab Code		EL			
		Sample Code		OCC-1403-400			
		lab_sample_id		H14030299-001			
		WATER_LEVEL_DEPTH (FEET)		37.41			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2110			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2000			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	8.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1520			
E200.7	CALCIUM (CA)	mg/L	DIS	88			
E200.7	CALCIUM (CA)	mg/L	TRC	111			
E200.7	MAGNESIUM (MG)	mg/L	TRC	157			
E200.8	MAGNESIUM (MG)	mg/L	DIS	146			
E200.7	SODIUM (NA)	mg/L	DIS	161			
E200.7	SODIUM (NA)	mg/L	TRC	178			
E200.7	POTASSIUM (K)	mg/L	DIS	16			
E200.7	POTASSIUM (K)	mg/L	TRC	18			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	460			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	550			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	4			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	790			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	2.45			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.1	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	1.88			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.124			
E200.8	ARSENIC (AS)	mg/L	DIS	0.009			
E200.8	ARSENIC (AS)	mg/L	TRC	0.009			
E200.8	BARIUM (BA)	mg/L	DIS	0.125			
E200.8	BARIUM (BA)	mg/L	TRC	0.136			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.46			
E200.7	BORON (B)	mg/L	TRC	0.50			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	0.002			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	IRON (FE)	mg/L	TRC	0.34			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E200.8	MANGANESE (MN)	mg/L	TRC	< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.008			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	0.009			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.005			
E200.8	SELENIUM (SE)	mg/L	TRC	0.005			
E200.8	VANADIUM (V)	mg/L	DIS	0.04			
E200.8	VANADIUM (V)	mg/L	TRC	0.05			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	B1-U			
			Sample Date	3/18/14 10:16			
			Lab Code	EL			
			Sample Code	OCC-1403-401			
			lab_sample_id	H14030299-002			
			WATER_LEVEL_DEPTH (FEET)	37.58			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.1			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1580			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1500			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	5.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1100			
E200.7	CALCIUM (CA)	mg/L	DIS	65			
E200.8	MAGNESIUM (MG)	mg/L	DIS	106			
E200.8	SODIUM (NA)	mg/L	DIS	108			
E200.7	POTASSIUM (K)	mg/L	DIS	19			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	310			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	370			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	620			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	1.92			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.57			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.004			
E200.8	BARIUM (BA)	mg/L	DIS	0.037			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	1.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.17			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.028			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.018			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B2-K			
		Sample Date		3/25/14 10:50			
		Lab Code		EL			
		Sample Code		OCC-1403-915			
		lab_sample_id		H14030412-001			
		WATER_LEVEL_DEPTH (FEET)		234.2			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.84			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4950			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	4650			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3240	D		
E200.7	CALCIUM (CA)	mg/L	DIS	21			
E200.7	MAGNESIUM (MG)	mg/L	DIS	8			
E200.7	SODIUM (NA)	mg/L	DIS	1170			
E200.7	POTASSIUM (K)	mg/L	DIS	5			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	1200			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1500			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	16			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	55.4			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.8	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.014			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.17			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.09			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.028			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B2-U			
		Sample Date		3/25/14 14:30			
		Lab Code		EL			
		Sample Code		OCC-1403-916			
		lab_sample_id		H14030412-002			
		WATER_LEVEL_DEPTH (FEET)		281.65			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.61			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1000			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1170			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	14.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	675	D		
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	293			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	630			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	710			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	31			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	38			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	47.2			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.9	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01		J	
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.003			
E200.8	BARIUM (BA)	mg/L	DIS	0.070			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.14			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.07			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.021			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B3-K			
		Sample Date		3/26/14 15:40			
		Lab Code		EL			
		Sample Code		OCC-1403-926			
		lab_sample_id		H14030412-012			
		WATER_LEVEL_DEPTH (FEET)		194.21			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	6.99			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.2	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	7140			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	6550			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	5000			
E200.8	CALCIUM (CA)	mg/L	DIS	165			
E200.8	MAGNESIUM (MG)	mg/L	DIS	72			
E200.8	SODIUM (NA)	mg/L	DIS	1430			
E200.8	POTASSIUM (K)	mg/L	DIS	11			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	900			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1100			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	43			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	2900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	23.3			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.03			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.193			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.022			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BORON (B)	mg/L	DIS	0.62			
E200.8	CADMIUM (CD)	mg/L	DIS	0.00007	D		
E200.8	CHROMIUM (CR)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	DIS	0.006			
E200.8	IRON (FE)	mg/L	DIS	1.13			
E200.8	LEAD (PB)	mg/L	DIS	0.0004			
E200.8	MANGANESE (MN)	mg/L	DIS	0.136			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	0.02	D		

		ANALYSIS SUMMARY REPORT		B3-U			
		Sample Date		3/26/14 15:00			
		Lab Code		EL			
		Sample Code		OCC-1403-925			
		lab_sample_id		H14030412-011			
		WATER_LEVEL_DEPTH (FEET)		194.79			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.5			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1280			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1160			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	721			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	295			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	670			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	740			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	35			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	15			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	41.5			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.7	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.03			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.483			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.044			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.15			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.23			
E200.8	LEAD (PB)	mg/L	DIS	0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.015			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B4-K			
		Sample Date		3/26/14 9:40			
		Lab Code		EL			
		Sample Code		OCC-1403-922			
		lab_sample_id		H14030412-008			
		WATER_LEVEL_DEPTH (FEET)		149.85			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.63			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.8	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5450			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	5010			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3740			
E200.7	CALCIUM (CA)	mg/L	DIS	76			
E200.7	MAGNESIUM (MG)	mg/L	DIS	39			
E200.7	SODIUM (NA)	mg/L	DIS	1140			
E200.7	POTASSIUM (K)	mg/L	DIS	8			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	820			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1000			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	14			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	2000	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	26.4			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.008			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.21			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.23			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.045			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B4-O			
		Sample Date		3/26/14 12:45			
		Lab Code		EL			
		Sample Code		OCC-1403-924			
		lab_sample_id		H14030412-010			
		WATER_LEVEL_DEPTH (FEET)		120.83			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.11			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4480			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	4250			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	11.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3050			
E200.7	CALCIUM (CA)	mg/L	DIS	148			
E200.7	MAGNESIUM (MG)	mg/L	DIS	390			
E200.7	SODIUM (NA)	mg/L	DIS	425			
E200.7	POTASSIUM (K)	mg/L	DIS	10			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	1100			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1400			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	15			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.16			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.2			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.03			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.012			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.011			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.17			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.047			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	0.011			

			ANALYSIS SUMMARY REPORT	B4-U			
			Sample Date	3/26/14 12:10			
			Lab Code	EL			
			Sample Code	OCC-1403-923			
			lab_sample_id	H14030412-009			
			WATER_LEVEL_DEPTH (FEET)	181.85			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.23			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.3	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2400			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2180			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1400			
E200.7	CALCIUM (CA)	mg/L	DIS	6			
E200.7	MAGNESIUM (MG)	mg/L	DIS	2			
E200.7	SODIUM (NA)	mg/L	DIS	530			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	690			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	790			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	28			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	20			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	490			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	47.5			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.280			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.016			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.13			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.11			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.015			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B5-K			
		Sample Date		3/27/14 10:50			
		Lab Code		EL			
		Sample Code		OCC-1403-931			
		lab_sample_id		H14030412-017			
		WATER_LEVEL_DEPTH (FEET)		182.2			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.02			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.2	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1420			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1300			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	767			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	334			
E200.8	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	770			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	880			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	29			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	12			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	52.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.173			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.092			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.010			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B5-O			
		Sample Date		3/27/14 11:30			
		Lab Code		EL			
		Sample Code		OCC-1403-932			
		lab_sample_id		H14030412-018			
		WATER_LEVEL_DEPTH (FEET)		142.37			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.13			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2560			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2440			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1730			
E200.7	CALCIUM (CA)	mg/L	DIS	12			
E200.7	MAGNESIUM (MG)	mg/L	DIS	8			
E200.7	SODIUM (NA)	mg/L	DIS	605			
E200.8	POTASSIUM (K)	mg/L	DIS	9			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	980			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1200			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	22			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	50			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	360			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	33.4			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	3.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.07			
E200.7	ALUMINUM (AL)	mg/L	DIS	16.0	D		
E200.8	ARSENIC (AS)	mg/L	DIS	0.006			
E200.8	BARIUM (BA)	mg/L	DIS	0.254			
E200.8	BERYLLIUM (BE)	mg/L	DIS	0.0016			
E200.8	BORON (B)	mg/L	DIS	0.22			
E200.8	CADMIUM (CD)	mg/L	DIS	0.0004	D		
E200.8	CHROMIUM (CR)	mg/L	DIS	0.031			
E200.8	COPPER (CU)	mg/L	DIS	0.031			
E200.7	IRON (FE)	mg/L	DIS	22.2			
E200.8	LEAD (PB)	mg/L	DIS	0.0207			
E200.8	MANGANESE (MN)	mg/L	DIS	0.469			
E245.1	MERCURY (HG)	mg/L	DIS	0.000039			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.030			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	0.04			
E200.8	ZINC (ZN)	mg/L	DIS	0.12	D		

			ANALYSIS SUMMARY REPORT	B5-U			
			Sample Date	3/27/14 9:30			
			Lab Code	EL			
			Sample Code	OCC-1403-930			
			lab_sample_id	H14030412-016			
			WATER_LEVEL_DEPTH (FEET)	159.34			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.42			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1210			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1060			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	613			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	276			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	580			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	640			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	33			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	27			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	46.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.9	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.076			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.18			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.010			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B6-K			
		Sample Date		3/26/14 20:50			
		Lab Code		EL			
		Sample Code		OCC-1403-928			
		lab_sample_id		H14030412-014			
		WATER_LEVEL_DEPTH (FEET)		128.13			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.22			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1610			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1500			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	917			
E200.7	CALCIUM (CA)	mg/L	DIS	3			
E200.7	MAGNESIUM (MG)	mg/L	DIS	1			
E200.7	SODIUM (NA)	mg/L	DIS	384			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	870			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	990			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	34			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	29			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	50.5			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.9			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.103			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.14			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B6-O			
			Sample Date	3/26/14 21:35			
			Lab Code	EL			
			Sample Code	OCC-1403-929			
			lab_sample_id	H14030412-015			
			WATER_LEVEL_DEPTH (FEET)	95.6			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.78			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	5380			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	5120			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3490			
E200.7	CALCIUM (CA)	mg/L	DIS	28			
E200.7	MAGNESIUM (MG)	mg/L	DIS	15			
E200.7	SODIUM (NA)	mg/L	DIS	1300			
E200.7	POTASSIUM (K)	mg/L	DIS	6			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	1300			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1500			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	23			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	14			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1600	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	49.6			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.2	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.369			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.019			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.25			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.19			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.053			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B6-U			
		Sample Date		3/26/14 19:30			
		Lab Code		EL			
		Sample Code		OCC-1403-927			
		lab_sample_id		H14030412-013			
		WATER_LEVEL_DEPTH (FEET)		150.78			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.55			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1070			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	963			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	14.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	570			
E200.7	CALCIUM (CA)	mg/L	DIS	1			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	243			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	540			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	590			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	34			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	44.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.7	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.02			
E200.7	ALUMINUM (AL)	mg/L	DIS	1.75			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.017			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.13			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.41			
E200.8	LEAD (PB)	mg/L	DIS	0.0018			
E200.8	MANGANESE (MN)	mg/L	DIS	0.006			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B7-KL			
			Sample Date	3/19/14 8:38			
			Lab Code	EL			
			Sample Code	OCC-1403-901			
			lab_sample_id	H14030296-002			
			WATER_LEVEL_DEPTH (FEET)	207.55			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.74			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1333			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1520			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	955			
E200.7	CALCIUM (CA)	mg/L	DIS	3			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.8	SODIUM (NA)	mg/L	DIS	337			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	340			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	380			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	15			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	450			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	45.6			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.172			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.013			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.10			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.08			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.007			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B7-KU			
		Sample Date		3/19/14 9:33			
		Lab Code		EL			
		Sample Code		OCC-1403-902			
		lab_sample_id		H14030296-003			
		WATER_LEVEL_DEPTH (FEET)		194.07			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.4			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1384			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1590			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	986			
E200.7	CALCIUM (CA)	mg/L	DIS	3			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.8	SODIUM (NA)	mg/L	DIS	397			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	840			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	970			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	26			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	12			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	79			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	50.1			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	2.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.048			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.066			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.12			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.07			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.017			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B7-O			
			Sample Date	3/19/14 10:24			
			Lab Code	EL			
			Sample Code	OCC-1403-903			
			lab_sample_id	H14030296-004			
			WATER_LEVEL_DEPTH (FEET)	173.71			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.91			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4299			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	4910			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	14.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3420			
E200.7	CALCIUM (CA)	mg/L	DIS	20			
E200.7	MAGNESIUM (MG)	mg/L	DIS	9			
E200.7	SODIUM (NA)	mg/L	DIS	1150			
E200.7	POTASSIUM (K)	mg/L	DIS	6			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	910			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1100			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	10			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	13			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	53.1			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.1	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.043			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.014			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.14			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.047			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B7-U			
		Sample Date		3/18/14 11:01			
		Lab Code		EL			
		Sample Code		OCC-1403-900			
		lab_sample_id		H14030296-001			
		WATER_LEVEL_DEPTH (FEET)		213.69			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.9			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	815			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	936			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	17.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	581			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	237			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	510			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	570			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	30			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	11			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	42.9			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.9	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.051			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.062			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.11			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.03			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.016			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B8-KL			
		Sample Date		3/19/14 11:56			
		Lab Code		EL			
		Sample Code		OCC-1403-904			
		lab_sample_id		H14030296-005			
		WATER_LEVEL_DEPTH (FEET)		175.58			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.49			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1597			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1690			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	15.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1080			
E200.7	CALCIUM (CA)	mg/L	DIS	5			
E200.7	MAGNESIUM (MG)	mg/L	DIS	2			
E200.7	SODIUM (NA)	mg/L	DIS	381			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	520			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	590			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	20			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	24			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	370			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	37.1			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.021			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.12			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.010			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B8-KU			
			Sample Date	3/19/14 14:52			
			Lab Code	EL			
			Sample Code	OCC-1403-906			
			lab_sample_id	H14030296-007			
			WATER_LEVEL_DEPTH (FEET)	76.56			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.06			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2876			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3300			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2660			
E200.7	CALCIUM (CA)	mg/L	DIS	154			
E200.7	MAGNESIUM (MG)	mg/L	DIS	156			
E200.8	SODIUM (NA)	mg/L	DIS	423			
E200.7	POTASSIUM (K)	mg/L	DIS	8			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	590			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	720			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.74			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.3			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.015			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.41			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	1.38			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.087			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		B8-O			
		Sample Date		3/19/14 15:29			
		Lab Code		EL			
		Sample Code		OCC-1403-907			
		lab_sample_id		H14030296-008			
		WATER_LEVEL_DEPTH (FEET)		74.91			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.46			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.8	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2291			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2610			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2110			
E200.7	CALCIUM (CA)	mg/L	DIS	81			
E200.7	MAGNESIUM (MG)	mg/L	DIS	189			
E200.7	SODIUM (NA)	mg/L	DIS	270			
E200.7	POTASSIUM (K)	mg/L	DIS	5			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	430			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	530			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1200			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	3.76			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.7	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.016			
E200.8	ARSENIC (AS)	mg/L	DIS	0.003			
E200.8	BARIUM (BA)	mg/L	DIS	0.013			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.29			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.14			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.072			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B8-U			
			Sample Date	3/19/14 13:52			
			Lab Code	EL			
			Sample Code	OCC-1403-905			
			lab_sample_id	H14030296-006			
			WATER_LEVEL_DEPTH (FEET)	148.82			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.75			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1015			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1160			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	16.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	687			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	280			
E200.7	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	610			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	680			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	31			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	43			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	44.3			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	2.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.089			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.14			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.013			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	B9-K				B9-K			
			Sample Date	3/19/14 16:45				3/19/14 16:47			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-908				OCC-1403-909			
			lab_sample_id	H14030296-009				H14030296-010			
			WATER_LEVEL_DEPTH (FEET)	99.83				99.83			
			sample_type_code	N				D			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.37							
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	H			8.3	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1420							
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1630				1630			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.5							
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1000				991			
E200.7	CALCIUM (CA)	mg/L	DIS	2				2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1				< 1			
E200.8	SODIUM (NA)	mg/L	DIS	413				415			
E200.7	POTASSIUM (K)	mg/L	DIS	2				2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	940				940			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1100				1100			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	33				35			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1				< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	25				25			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1				< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	61.3				60.9			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.7	D			1.8	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01				< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.010				< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001				< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.112				0.113			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008				< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.11				0.12			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003				< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001				< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001				< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.20				0.20			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003				< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.050				0.048			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005				< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005				< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002				< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001				< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01				< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008				< 0.008			

		ANALYSIS SUMMARY REPORT		B9-U			
		Sample Date		3/19/14 18:30			
		Lab Code		EL			
		Sample Code		OCC-1403-910			
		lab_sample_id		H14030296-011			
		WATER_LEVEL_DEPTH (FEET)		104.66			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.78			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	905			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1040			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	16.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	620			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	246			
E200.7	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	560			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	630			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	28			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	27			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	43.0			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	2.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.175			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.058			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.11			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.09			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.018			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		C-2			
		Sample Date		3/20/14 11:40			
		Lab Code		EL			
		Sample Code		OCC-1403-417			
		lab_sample_id		H14030299-018			
		WATER_LEVEL_DEPTH (FEET)		40.69			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.54			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3340			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3060			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2140			
E200.7	CALCIUM (CA)	mg/L	DIS	62			
E200.8	MAGNESIUM (MG)	mg/L	DIS	112			
E200.8	SODIUM (NA)	mg/L	DIS	501			
E200.7	POTASSIUM (K)	mg/L	DIS	21			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	670			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	820			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	28			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1100			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	8.80			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.1	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	2.52	D		
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.004			
E200.8	BARIUM (BA)	mg/L	DIS	0.046			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.40			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.12			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.062			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.012			
E200.8	VANADIUM (V)	mg/L	DIS	0.05			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		C-3			
		Sample Date		3/24/14 13:45			
		Lab Code		EL			
		Sample Code		OCC-1403-421			
		lab_sample_id		H14030353-007			
		WATER_LEVEL_DEPTH (FEET)		104.23			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.63			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3830			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3490			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	10.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2650			
E200.7	CALCIUM (CA)	mg/L	DIS	105			
E200.7	MAGNESIUM (MG)	mg/L	DIS	171			
E200.7	SODIUM (NA)	mg/L	DIS	483			
E200.7	POTASSIUM (K)	mg/L	DIS	23			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	630			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	770			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	15			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	6.76			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.7			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.016			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.52			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.7	IRON (FE)	mg/L	DIS	3.80			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.504			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		C-4			
		Sample Date		3/27/14 13:50			
		Lab Code		EL			
		Sample Code		OCC-1403-934			
		lab_sample_id		H14030412-020			
		WATER_LEVEL_DEPTH (FEET)		70.09			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.39			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4450			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	4120			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	11.6			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3300			
E200.7	CALCIUM (CA)	mg/L	DIS	153			
E200.7	MAGNESIUM (MG)	mg/L	DIS	242			
E200.7	SODIUM (NA)	mg/L	DIS	609			
E200.7	POTASSIUM (K)	mg/L	DIS	21			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	710			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	860			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	7.13			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.024			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.39			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	1.26			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.357			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		FORTUNE SPRING			
		Sample Date		3/25/14 12:00			
		Lab Code		EL			
		Sample Code		OCC-1403-710			
		lab_sample_id		H14030353-006			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS	0.00379			
FIELD	PH - FLD	s.u.	NO MEAS	7.38			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	9150			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	8530			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	5.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	8860			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	< 4			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	0.6			
E200.7	CALCIUM (CA)	mg/L	DIS	284			
E200.7	CALCIUM (CA)	mg/L	TRC	328			
E200.7	MAGNESIUM (MG)	mg/L	DIS	587			
E200.7	MAGNESIUM (MG)	mg/L	TRC	657			
E200.7	SODIUM (NA)	mg/L	DIS	1260			
E200.7	SODIUM (NA)	mg/L	TRC	1280			
E200.7	POTASSIUM (K)	mg/L	DIS	25			
E200.7	POTASSIUM (K)	mg/L	TRC	25			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	790			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	960			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	24			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	5300			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	9.77			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.5			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	7.18	D		
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.013			
E200.8	BARIUM (BA)	mg/L	TRC	0.013			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.84			
E200.8	BORON (B)	mg/L	TRC	0.92			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	TRC	0.002			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	IRON (FE)	mg/L	TRC	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E200.8	MANGANESE (MN)	mg/L	TRC	< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	0.024			
E200.8	SELENIUM (SE)	mg/L	TRC	0.022			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	K-1			
			Sample Date	3/19/14 18:00			
			Lab Code	EL			
			Sample Code	OCC-1403-413			
			lab_sample_id	H14030299-014			
			WATER_LEVEL_DEPTH (FEET)	71.58			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.4			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1565			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1460			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	896			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	1			
E200.8	SODIUM (NA)	mg/L	DIS	368			
E200.7	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	830			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	930			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	42			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	25			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	49.6			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.017			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.124			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.10			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.03			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		K-2			
		Sample Date		3/19/14 11:25			
		Lab Code		EL			
		Sample Code		OCC-1403-409			
		lab_sample_id		H14030299-010			
		WATER_LEVEL_DEPTH (FEET)		60.36			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.64			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1205			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1110			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	14.1			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	661			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	DIS	274			
E200.8	POTASSIUM (K)	mg/L	DIS	1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	620			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	680			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	37			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	15			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	41.9			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.106			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.10			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.008			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

		ANALYSIS SUMMARY REPORT		K-3			
		Sample Date		3/19/14 9:45			
		Lab Code		EL			
		Sample Code		OCC-1403-408			
		lab_sample_id		H14030299-009			
		WATER_LEVEL_DEPTH (FEET)		57.72			
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	6.67			
A4500-HB	pH - LAB	s.u.	NO MEAS	6.7	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2130			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2040			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1450			
E200.7	CALCIUM (CA)	mg/L	DIS	128			
E200.8	MAGNESIUM (MG)	mg/L	DIS	96			
E200.8	SODIUM (NA)	mg/L	DIS	214			
E200.7	POTASSIUM (K)	mg/L	DIS	5			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	620			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	750			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	14			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	690			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	3.48			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.6	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.024			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.34			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.81			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.079			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	K-4				K-4			
			Sample Date	3/19/14 10:10				3/19/14 10:15			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-406				OCC-1403-407			
			lab_sample_id	H14030299-007				H14030299-008			
			WATER_LEVEL_DEPTH (FEET)	50.79				50.79			
			sample_type_code	N				D			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	8.72							
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H			8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1140							
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1080				1070			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13.9							
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	665				658			
E200.7	CALCIUM (CA)	mg/L	DIS	2				2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1				< 1			
E200.7	SODIUM (NA)	mg/L	DIS	253							
E200.8	SODIUM (NA)	mg/L	DIS					256			
E200.8	POTASSIUM (K)	mg/L	DIS	1				1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	450				450			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	490				490			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	27				28			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1				< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9				9			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	140				140			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	43.0				42.7			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.5	D			1.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01				< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.079				0.096			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001				0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.023				0.022			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008				< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.13				0.12			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003				< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001				< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001				< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.06				0.07			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003				< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.013				0.014			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005				< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005				< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002				< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001				< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01				< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008				< 0.008			

			ANALYSIS SUMMARY REPORT	K-5			
			Sample Date	3/27/14 12:45			
			Lab Code	EL			
			Sample Code	OCC-1403-933			
			lab_sample_id	H14030412-019			
			WATER_LEVEL_DEPTH (FEET)	104.21			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.76			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1350			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1260			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	13			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	770			
E200.7	CALCIUM (CA)	mg/L	DIS	2			
E200.7	MAGNESIUM (MG)	mg/L	DIS	1			
E200.7	SODIUM (NA)	mg/L	DIS	323			
E200.8	POTASSIUM (K)	mg/L	DIS	2			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	750			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	870			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	23			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	10			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	43.7			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.3	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.012			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.119			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.16			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.16			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.012			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	K-6			
			Sample Date	3/19/14 12:00			
			Lab Code	EL			
			Sample Code	OCC-1403-410			
			lab_sample_id	H14030299-011			
			WATER_LEVEL_DEPTH (FEET)	72.07			
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	PH - FLD	s.u.	NO MEAS	7.37			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3310			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3070			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	12.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2110			
E200.7	CALCIUM (CA)	mg/L	DIS	57			
E200.8	MAGNESIUM (MG)	mg/L	DIS	69			
E200.8	SODIUM (NA)	mg/L	DIS	607			
E200.7	POTASSIUM (K)	mg/L	DIS	6			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	940			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1100			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	18			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	890			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	12.8			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.8	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.017			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.22			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.61			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.062			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			

			ANALYSIS SUMMARY REPORT	P1				P1			
			Sample Date	3/24/14 11:50				3/24/14 12:00			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-707				OCC-1403-708			
			lab_sample_id	H14030353-003				H14030353-004			
			WATER_LEVEL_DEPTH (FEET)								
			sample_type_code	N				D			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS				
FIELD	PH - FLD	s.u.	NO MEAS	8.2							
A4500-HB	pH - LAB	s.u.	NO MEAS	7.4	H			7.5	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	373							
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	315				320			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	2.5							
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	218				231			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	25				29			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	38.4				38.3			
E200.7	CALCIUM (CA)	mg/L	DIS	14				14			
E200.7	CALCIUM (CA)	mg/L	TRC	16				17			
E200.7	MAGNESIUM (MG)	mg/L	DIS	5				5			
E200.7	MAGNESIUM (MG)	mg/L	TRC	6				6			
E200.7	SODIUM (NA)	mg/L	DIS	38				38			
E200.7	SODIUM (NA)	mg/L	TRC	41				43			
E200.7	POTASSIUM (K)	mg/L	DIS	4				4			
E200.7	POTASSIUM (K)	mg/L	TRC	4				4			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	78				79			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	95				96			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1				< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	< 1				1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	72				73			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	2.18				2.20			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1				< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01				< 0.01			
E200.7	ALUMINUM (AL)	mg/L	TRC	1.03				1.15			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.235				0.270			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001				< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001				0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.028				0.029			
E200.8	BARIUM (BA)	mg/L	TRC	0.035				0.038			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008				< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008				< 0.0008			
E200.8	BORON (B)	mg/L	DIS	0.01				0.01			
E200.8	BORON (B)	mg/L	TRC	0.02				0.01			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003				< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00006				0.00008			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001				< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	0.001				0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.001				0.002			
E200.8	COPPER (CU)	mg/L	TRC	0.003				0.003			
E200.7	IRON (FE)	mg/L	TRC	1.42				1.61			
E200.8	IRON (FE)	mg/L	DIS	0.22				0.24			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003				< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0011				0.0013			
E200.8	MANGANESE (MN)	mg/L	DIS	0.041				0.042			
E200.8	MANGANESE (MN)	mg/L	TRC	0.041				0.050			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005				< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	0.000007				0.000007			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005				< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005				< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002				< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	0.004				0.004			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001				< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001				< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01				< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01				< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008				< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	0.011				0.013			

			ANALYSIS SUMMARY REPORT	P2			
			Sample Date	3/25/14 8:15			
			Lab Code	EL			
			Sample Code	OCC-1403-724			
			lab_sample_id	HYDRO201403-013			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		P3			
		Sample Date		3/21/14 12:00			
		Lab Code		EL			
		Sample Code		OCC-1403-704			
		lab_sample_id		H14030299-026			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.66			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	228			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	201			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	3.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	131			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	43			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	32.8			
E200.7	CALCIUM (CA)	mg/L	DIS	19			
E200.7	CALCIUM (CA)	mg/L	TRC	20			
E200.7	MAGNESIUM (MG)	mg/L	DIS	7			
E200.7	MAGNESIUM (MG)	mg/L	TRC	6			
E200.7	SODIUM (NA)	mg/L	DIS	8			
E200.7	SODIUM (NA)	mg/L	TRC	8			
E200.7	POTASSIUM (K)	mg/L	DIS	7			
E200.7	POTASSIUM (K)	mg/L	TRC	7			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	78			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	92			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	2			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	25			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.42			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.17			
E200.7	ALUMINUM (AL)	mg/L	TRC	0.441			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.142			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.050			
E200.8	BARIUM (BA)	mg/L	TRC	0.058			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.01			
E200.7	BORON (B)	mg/L	TRC	0.02			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00005			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	TRC	0.004			
E200.7	IRON (FE)	mg/L	TRC	0.65			
E200.8	IRON (FE)	mg/L	DIS	0.18			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0007			
E200.8	MANGANESE (MN)	mg/L	DIS	0.010			
E200.8	MANGANESE (MN)	mg/L	TRC	0.032			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	0.000006			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	0.009			

		ANALYSIS SUMMARY REPORT		P4			
		Sample Date		3/21/14 11:00			
		Lab Code		EL			
		Sample Code		OCC-1403-703			
		lab_sample_id		H14030299-025			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.83			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	342			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	205			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	2.9			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	118			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	27			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	23.5			
E200.7	CALCIUM (CA)	mg/L	DIS	15			
E200.7	CALCIUM (CA)	mg/L	TRC	16			
E200.7	MAGNESIUM (MG)	mg/L	DIS	7			
E200.7	MAGNESIUM (MG)	mg/L	TRC	7			
E200.7	SODIUM (NA)	mg/L	DIS	13			
E200.7	SODIUM (NA)	mg/L	TRC	12			
E200.7	POTASSIUM (K)	mg/L	DIS	6			
E200.7	POTASSIUM (K)	mg/L	TRC	6			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	53			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	65			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	45			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.67			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.7	ALUMINUM (AL)	mg/L	TRC	0.477			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.108			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.032			
E200.8	BARIUM (BA)	mg/L	TRC	0.038			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.03			
E200.7	BORON (B)	mg/L	TRC	0.02			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00007			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	TRC	0.003			
E200.7	IRON (FE)	mg/L	TRC	0.67			
E200.8	IRON (FE)	mg/L	DIS	0.16			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0007			
E200.8	MANGANESE (MN)	mg/L	DIS	0.012			
E200.8	MANGANESE (MN)	mg/L	TRC	0.033			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	0.000009			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	0.011			

		ANALYSIS SUMMARY REPORT		P5			
		Sample Date		3/24/14 10:35			
		Lab Code		EL			
		Sample Code		OCC-1403-706			
		lab_sample_id		H14030353-002			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.31			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.4	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	590			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	365			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	2.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	240			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	6			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	12.9			
E200.7	CALCIUM (CA)	mg/L	DIS	14			
E200.7	CALCIUM (CA)	mg/L	TRC	14			
E200.7	MAGNESIUM (MG)	mg/L	DIS	8			
E200.7	MAGNESIUM (MG)	mg/L	TRC	9			
E200.7	SODIUM (NA)	mg/L	DIS	42			
E200.7	SODIUM (NA)	mg/L	TRC	44			
E200.7	POTASSIUM (K)	mg/L	DIS	6			
E200.7	POTASSIUM (K)	mg/L	TRC	6			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	59			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	72			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	110			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	2.24			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.7	ALUMINUM (AL)	mg/L	TRC	0.192			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.076			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.032			
E200.8	BARIUM (BA)	mg/L	TRC	0.035			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.8	BORON (B)	mg/L	DIS	0.03			
E200.8	BORON (B)	mg/L	TRC	0.02			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00005			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.002			
E200.8	IRON (FE)	mg/L	DIS	0.14			
E200.8	IRON (FE)	mg/L	TRC	0.31			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.008			
E200.8	MANGANESE (MN)	mg/L	TRC	0.014			
E245.1	MERCURY (HG)	mg/L	DIS	0.000006			
E245.1	MERCURY (HG)	mg/L	TOT	0.000008			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

		ANALYSIS SUMMARY REPORT		P6			
		Sample Date		3/20/14 17:20			
		Lab Code		EL			
		Sample Code		OCC-1403-805			
		lab_sample_id		H14030296-021			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.07			
A4500-HB	pH - LAB	s.u.	NO MEAS	7.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2325			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2750			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	3.8			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2150			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	< 4			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	1.5			
E200.7	CALCIUM (CA)	mg/L	DIS	103			
E200.7	CALCIUM (CA)	mg/L	TRC	127			
E200.7	MAGNESIUM (MG)	mg/L	DIS	168			
E200.7	MAGNESIUM (MG)	mg/L	TRC	193			
E200.7	SODIUM (NA)	mg/L	DIS	313			
E200.7	SODIUM (NA)	mg/L	TRC	318			
E200.7	POTASSIUM (K)	mg/L	DIS	12			
E200.7	POTASSIUM (K)	mg/L	TRC	13			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	500			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	610			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1300			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.42			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.010			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.045			
E200.8	BARIUM (BA)	mg/L	TRC	0.046			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.33			
E200.7	BORON (B)	mg/L	TRC	0.34			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.03			
E200.8	IRON (FE)	mg/L	TRC	0.09			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.031			
E200.8	MANGANESE (MN)	mg/L	TRC	0.029			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	SW-1			
			Sample Date	3/24/14 18:50			
			Lab Code	EL			
			Sample Code	OCC-1403-723			
			lab_sample_id	HYDRO201403-012			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-10			
			Sample Date	3/24/14 8:30			
			Lab Code	EL			
			Sample Code	OCC-1403-717			
			lab_sample_id	HYDRO201403-007			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-11			
		Sample Date		3/21/14 10:00			
		Lab Code		EL			
		Sample Code		OCC-1403-701			
		lab_sample_id		H14030299-023			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.59			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3240			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3150			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	1.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2450			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	< 4			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	4.8			
E200.7	CALCIUM (CA)	mg/L	DIS	158			
E200.7	CALCIUM (CA)	mg/L	TRC	168			
E200.7	MAGNESIUM (MG)	mg/L	DIS	178			
E200.7	MAGNESIUM (MG)	mg/L	TRC	185			
E200.7	SODIUM (NA)	mg/L	DIS	374			
E200.7	SODIUM (NA)	mg/L	TRC	390			
E200.7	POTASSIUM (K)	mg/L	DIS	15			
E200.7	POTASSIUM (K)	mg/L	TRC	15			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	570			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	690			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	4			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	11			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.85			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.42			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.025			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.052			
E200.8	BARIUM (BA)	mg/L	TRC	0.053			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.30			
E200.7	BORON (B)	mg/L	TRC	0.30			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.001			
E200.8	IRON (FE)	mg/L	DIS	0.05			
E200.8	IRON (FE)	mg/L	TRC	0.39			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.326			
E200.8	MANGANESE (MN)	mg/L	TRC	0.332			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

		ANALYSIS SUMMARY REPORT		SW-12			
		Sample Date		3/21/14 9:20			
		Lab Code		EL			
		Sample Code		OCC-1403-700			
		lab_sample_id		H14030299-022			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.31			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3270			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3160			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	1.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2540			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	14			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	5.8			
E200.7	CALCIUM (CA)	mg/L	DIS	157			
E200.7	CALCIUM (CA)	mg/L	TRC	171			
E200.7	MAGNESIUM (MG)	mg/L	DIS	176			
E200.7	MAGNESIUM (MG)	mg/L	TRC	189			
E200.7	SODIUM (NA)	mg/L	DIS	375			
E200.7	SODIUM (NA)	mg/L	TRC	396			
E200.7	POTASSIUM (K)	mg/L	DIS	15			
E200.7	POTASSIUM (K)	mg/L	TRC	16			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	580			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	700			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	10			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1500			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.88			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.38			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.040			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.054			
E200.8	BARIUM (BA)	mg/L	TRC	0.056			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.28			
E200.7	BORON (B)	mg/L	TRC	0.30			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.05			
E200.8	IRON (FE)	mg/L	TRC	0.45			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.361			
E200.8	MANGANESE (MN)	mg/L	TRC	0.366			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	0.009			

			ANALYSIS SUMMARY REPORT	SW-13			
			Sample Date	3/24/14 12:45			
			Lab Code	EL			
			Sample Code	OCC-1403-718			
			lab_sample_id	HYDRO201403-008			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-14			
			Sample Date	3/25/14 11:20			
			Lab Code	EL			
			Sample Code	OCC-1403-727			
			lab_sample_id	HYDRO201403-016			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-15			
			Sample Date	3/25/14 11:10			
			Lab Code	EL			
			Sample Code	OCC-1403-726			
			lab_sample_id	HYDRO201403-015			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-16			
		Sample Date		3/20/14 13:25			
		Lab Code		EL			
		Sample Code		OCC-1403-801			
		lab_sample_id		H14030296-017			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS	26.503			
FIELD	PH - FLD	s.u.	NO MEAS	8.29			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3201			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3640			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	4.7			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2970			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	20			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	16.3			
E200.7	CALCIUM (CA)	mg/L	DIS	125			
E200.7	CALCIUM (CA)	mg/L	TRC	149			
E200.7	MAGNESIUM (MG)	mg/L	TRC	259			
E200.8	MAGNESIUM (MG)	mg/L	DIS	235			
E200.7	SODIUM (NA)	mg/L	DIS	444			
E200.7	SODIUM (NA)	mg/L	TRC	475			
E200.7	POTASSIUM (K)	mg/L	DIS	18			
E200.7	POTASSIUM (K)	mg/L	TRC	19			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	520			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	630			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.41			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.35			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.243			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.066			
E200.8	BARIUM (BA)	mg/L	TRC	0.073			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.31			
E200.7	BORON (B)	mg/L	TRC	0.34			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.001			
E200.7	IRON (FE)	mg/L	TRC	1.08			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0006			
E200.8	MANGANESE (MN)	mg/L	DIS	0.548			
E200.8	MANGANESE (MN)	mg/L	TRC	0.566			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.004			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	SW-17			
			Sample Date	3/25/14 10:30			
			Lab Code	EL			
			Sample Code	OCC-1403-725			
			lab_sample_id	HYDRO201403-014			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-18			
			Sample Date	3/20/14 7:30			
			Lab Code	EL			
			Sample Code	OCC-1403-714			
			lab_sample_id	HYDRO201403-004			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-19			
			Sample Date	3/19/14 8:30			
			Lab Code	EL			
			Sample Code	OCC-1403-713			
			lab_sample_id	HYDRO201403-003			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-1A			
		Sample Date		3/20/14 18:00			
		Lab Code		EL			
		Sample Code		OCC-1403-806			
		lab_sample_id		H14030296-022			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS	0.45			
FIELD	PH - FLD	s.u.	NO MEAS	8.16			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	4035			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	4680			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	2.5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3700			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	16			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	4.5			
E200.7	CALCIUM (CA)	mg/L	DIS	101			
E200.7	CALCIUM (CA)	mg/L	TRC	118			
E200.7	MAGNESIUM (MG)	mg/L	TRC	285			
E200.8	MAGNESIUM (MG)	mg/L	DIS	270			
E200.7	SODIUM (NA)	mg/L	DIS	733			
E200.7	SODIUM (NA)	mg/L	TRC	762			
E200.7	POTASSIUM (K)	mg/L	DIS	24			
E200.7	POTASSIUM (K)	mg/L	TRC	25			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	790			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	970			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	14			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	2300	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	8.63			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.8	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.12			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.011			
E200.8	ARSENIC (AS)	mg/L	DIS	0.002			
E200.8	ARSENIC (AS)	mg/L	TRC	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.038			
E200.8	BARIUM (BA)	mg/L	TRC	0.040			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.75			
E200.7	BORON (B)	mg/L	TRC	0.80			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.14			
E200.8	IRON (FE)	mg/L	TRC	0.47			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.310			
E200.8	MANGANESE (MN)	mg/L	TRC	0.312			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.006			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	0.006			
E200.8	NICKEL (NI)	mg/L	DIS	0.005			
E200.8	NICKEL (NI)	mg/L	TRC	0.005			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

		ANALYSIS SUMMARY REPORT		SW-2			
		Sample Date		3/20/14 15:20			
		Lab Code		EL			
		Sample Code		OCC-1403-802			
		lab_sample_id		H14030296-018			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS	2.89			
FIELD	PH - FLD	s.u.	NO MEAS	8.31			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	1415			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3720			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3100			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	20			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	14.8			
E200.7	CALCIUM (CA)	mg/L	DIS	129			
E200.7	CALCIUM (CA)	mg/L	TRC	154			
E200.7	MAGNESIUM (MG)	mg/L	DIS	228			
E200.7	MAGNESIUM (MG)	mg/L	TRC	268			
E200.7	SODIUM (NA)	mg/L	DIS	464			
E200.7	SODIUM (NA)	mg/L	TRC	496			
E200.7	POTASSIUM (K)	mg/L	DIS	18			
E200.7	POTASSIUM (K)	mg/L	TRC	20			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	530			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	650			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1900	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.69			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.35			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.223			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.068			
E200.8	BARIUM (BA)	mg/L	TRC	0.073			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.32			
E200.7	BORON (B)	mg/L	TRC	0.35			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.001			
E200.7	IRON (FE)	mg/L	TRC	1.09			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0005			
E200.8	MANGANESE (MN)	mg/L	DIS	0.581			
E200.8	MANGANESE (MN)	mg/L	TRC	0.609			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.004			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	SW-20			
			Sample Date	3/19/14 7:54			
			Lab Code	EL			
			Sample Code	OCC-1403-712			
			lab_sample_id	HYDRO201403-002			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-21			
			Sample Date	3/19/14 7:28			
			Lab Code	EL			
			Sample Code	OCC-1403-711			
			lab_sample_id	HYDRO201403-001			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-22			
		Sample Date		3/20/14 16:45			
		Lab Code		EL			
		Sample Code		OCC-1403-803			
		lab_sample_id		H14030296-019			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.1			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2834			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3260			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	6.2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2730			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	26			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	18.7			
E200.7	CALCIUM (CA)	mg/L	DIS	121			
E200.7	CALCIUM (CA)	mg/L	TRC	145			
E200.7	MAGNESIUM (MG)	mg/L	TRC	234			
E200.8	MAGNESIUM (MG)	mg/L	DIS	216			
E200.7	SODIUM (NA)	mg/L	DIS	382			
E200.7	SODIUM (NA)	mg/L	TRC	407			
E200.7	POTASSIUM (K)	mg/L	DIS	16			
E200.7	POTASSIUM (K)	mg/L	TRC	18			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	480			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	590			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	16			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1600			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	4.81			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.24			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.410			
E200.8	ARSENIC (AS)	mg/L	DIS	0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.063			
E200.8	BARIUM (BA)	mg/L	TRC	0.073			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.27			
E200.7	BORON (B)	mg/L	TRC	0.29			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.002			
E200.7	IRON (FE)	mg/L	TRC	1.35			
E200.8	IRON (FE)	mg/L	DIS	0.08			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0008			
E200.8	MANGANESE (MN)	mg/L	DIS	0.473			
E200.8	MANGANESE (MN)	mg/L	TRC	0.510			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

		ANALYSIS SUMMARY REPORT		SW-23			
		Sample Date		3/20/14 17:10			
		Lab Code		EL			
		Sample Code		OCC-1403-804			
		lab_sample_id		H14030296-020			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.39			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.2	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	2620			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2970			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	5.4			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2370			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	6			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	2.2			
E200.7	CALCIUM (CA)	mg/L	DIS	100			
E200.7	CALCIUM (CA)	mg/L	TRC	128			
E200.7	MAGNESIUM (MG)	mg/L	TRC	208			
E200.8	MAGNESIUM (MG)	mg/L	DIS	189			
E200.8	SODIUM (NA)	mg/L	DIS	379			
E200.8	SODIUM (NA)	mg/L	TRC	381			
E200.7	POTASSIUM (K)	mg/L	DIS	14			
E200.7	POTASSIUM (K)	mg/L	TRC	16			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	510			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	610			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	3			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1400			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.14			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.4	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.043			
E200.8	BARIUM (BA)	mg/L	TRC	0.044			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.33			
E200.7	BORON (B)	mg/L	TRC	0.38			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	< 0.001			
E200.8	IRON (FE)	mg/L	DIS	0.05			
E200.8	IRON (FE)	mg/L	TRC	0.16			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.033			
E200.8	MANGANESE (MN)	mg/L	TRC	0.034			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

			ANALYSIS SUMMARY REPORT	SW-24			
			Sample Date	3/24/14 18:30			
			Lab Code	EL			
			Sample Code	OCC-1403-722			
			lab_sample_id	HYDRO201403-011			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-25			
		Sample Date		3/20/14 12:30			
		Lab Code		EL			
		Sample Code		OCC-1403-800			
		lab_sample_id		H14030296-016			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS	24.88			
FIELD	PH - FLD	s.u.	NO MEAS	8.27			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.1	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3195			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3630			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	5			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	2860			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	24			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	14.1			
E200.7	CALCIUM (CA)	mg/L	DIS	118			
E200.7	CALCIUM (CA)	mg/L	TRC	143			
E200.7	MAGNESIUM (MG)	mg/L	DIS	224			
E200.7	MAGNESIUM (MG)	mg/L	TRC	248			
E200.7	SODIUM (NA)	mg/L	DIS	447			
E200.7	SODIUM (NA)	mg/L	TRC	467			
E200.7	POTASSIUM (K)	mg/L	DIS	18			
E200.7	POTASSIUM (K)	mg/L	TRC	19			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	520			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	630			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1800	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	5.58			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.5	D		
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.34			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.228			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.068			
E200.8	BARIUM (BA)	mg/L	TRC	0.073			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.31			
E200.7	BORON (B)	mg/L	TRC	0.34			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00004			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.002			
E200.8	IRON (FE)	mg/L	DIS	0.06			
E200.8	IRON (FE)	mg/L	TRC	0.93			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0005			
E200.8	MANGANESE (MN)	mg/L	DIS	0.519			
E200.8	MANGANESE (MN)	mg/L	TRC	0.557			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.004			
E200.8	SELENIUM (SE)	mg/L	DIS	0.002			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	< 0.008			

		ANALYSIS SUMMARY REPORT		SW-3			
		Sample Date		3/24/14 17:30			
		Lab Code		EL			
		Sample Code		OCC-1403-709			
		lab_sample_id		H14030353-005			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS				NO MEAS
A4500-HB	pH - LAB	s.u.	NO MEAS	6.9	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS				NO MEAS
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	333			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS				NO MEAS
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	255			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	80			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	37.8			
E200.7	CALCIUM (CA)	mg/L	DIS	29			
E200.7	CALCIUM (CA)	mg/L	TRC	18			
E200.7	MAGNESIUM (MG)	mg/L	DIS	15			
E200.7	MAGNESIUM (MG)	mg/L	TRC	10			
E200.7	SODIUM (NA)	mg/L	DIS	19			
E200.7	SODIUM (NA)	mg/L	TRC	15			
E200.7	POTASSIUM (K)	mg/L	DIS	31			
E200.7	POTASSIUM (K)	mg/L	TRC	22			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	82			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	100			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	2			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	70			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.72			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.7	ALUMINUM (AL)	mg/L	TRC	0.621			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.114			
E200.8	ARSENIC (AS)	mg/L	DIS	0.002			
E200.8	ARSENIC (AS)	mg/L	TRC	0.002			
E200.8	BARIUM (BA)	mg/L	DIS	0.085			
E200.8	BARIUM (BA)	mg/L	TRC	0.058			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.8	BORON (B)	mg/L	DIS	0.12			
E200.8	BORON (B)	mg/L	TRC	0.06			
E200.8	CADMIUM (CD)	mg/L	DIS	0.00005			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00008			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.003			
E200.8	COPPER (CU)	mg/L	TRC	0.003			
E200.7	IRON (FE)	mg/L	DIS	2.28			
E200.7	IRON (FE)	mg/L	TRC	1.88			
E200.8	LEAD (PB)	mg/L	DIS	0.0008			
E200.8	LEAD (PB)	mg/L	TRC	0.0011			
E200.8	MANGANESE (MN)	mg/L	DIS	0.320			
E200.8	MANGANESE (MN)	mg/L	TRC	0.189			
E245.1	MERCURY (HG)	mg/L	DIS	0.000007			
E245.1	MERCURY (HG)	mg/L	TOT	0.000006			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.005			
E200.8	NICKEL (NI)	mg/L	TRC	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	0.052			
E200.8	ZINC (ZN)	mg/L	TRC	0.045			

			ANALYSIS SUMMARY REPORT	SW-4			
			Sample Date	3/24/14 15:45			
			Lab Code	EL			
			Sample Code	OCC-1403-719			
			lab_sample_id	HYDRO201403-009			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-5			
			Sample Date	3/24/14 15:50			
			Lab Code	EL			
			Sample Code	OCC-1403-720			
			lab_sample_id	HYDRO201403-010			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-6			
			Sample Date	3/21/14 11:40			
			Lab Code	EL			
			Sample Code	OCC-1403-715			
			lab_sample_id	HYDRO201403-005			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

			ANALYSIS SUMMARY REPORT	SW-7			
			Sample Date	3/21/14 11:50			
			Lab Code	EL			
			Sample Code	OCC-1403-716			
			lab_sample_id	HYDRO201403-006			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				DRY

		ANALYSIS SUMMARY REPORT		SW-8			
		Sample Date		3/21/14 10:30			
		Lab Code		EL			
		Sample Code		OCC-1403-702			
		lab_sample_id		H14030299-024			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	8.88			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.0	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	3220			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2230			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	0.9			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1710			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	36			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	17.0			
E200.7	CALCIUM (CA)	mg/L	DIS	187			
E200.7	CALCIUM (CA)	mg/L	TRC	191			
E200.7	MAGNESIUM (MG)	mg/L	DIS	96			
E200.7	MAGNESIUM (MG)	mg/L	TRC	93			
E200.7	SODIUM (NA)	mg/L	DIS	220			
E200.7	SODIUM (NA)	mg/L	TRC	228			
E200.7	POTASSIUM (K)	mg/L	DIS	13			
E200.7	POTASSIUM (K)	mg/L	TRC	14			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	470			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	570			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	8			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	970			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	3.25			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.2			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.06			
E200.7	ALUMINUM (AL)	mg/L	TRC	0.543			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.041			
E200.8	BARIUM (BA)	mg/L	TRC	0.048			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.08			
E200.7	BORON (B)	mg/L	TRC	0.08			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	0.00008			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC	0.002			
E200.7	IRON (FE)	mg/L	TRC	0.92			
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0008			
E200.8	MANGANESE (MN)	mg/L	DIS	0.014			
E200.8	MANGANESE (MN)	mg/L	TRC	0.060			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC	0.003			
E200.8	SELENIUM (SE)	mg/L	DIS	0.003			
E200.8	SELENIUM (SE)	mg/L	TRC	0.002			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC	0.009			

		ANALYSIS SUMMARY REPORT		SW-9			
		Sample Date		3/24/14 9:30			
		Lab Code		EL			
		Sample Code		OCC-1403-705			
		lab_sample_id		H14030353-001			
		WATER_LEVEL_DEPTH (FEET)					
		sample_type_code		N			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
FIELD	FLOW	cfs	NO MEAS				NO MEAS
FIELD	PH - FLD	s.u.	NO MEAS	7.96			
A4500-HB	pH - LAB	s.u.	NO MEAS	8.3	H		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	NO MEAS	6490			
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	6380			
FIELD	WATER TEMPERATURE (FLD)	C	NO MEAS	0.3			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	6130			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	16	H	H	
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	4.9			
E200.7	CALCIUM (CA)	mg/L	DIS	296			
E200.8	CALCIUM (CA)	mg/L	TRC	282			
E200.7	MAGNESIUM (MG)	mg/L	DIS	364			
E200.7	MAGNESIUM (MG)	mg/L	TRC	368			
E200.7	SODIUM (NA)	mg/L	DIS	914			
E200.7	SODIUM (NA)	mg/L	TRC	914			
E200.7	POTASSIUM (K)	mg/L	DIS	15			
E200.7	POTASSIUM (K)	mg/L	TRC	15			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	600			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	710			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	13			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	19			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	3600	D		
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	8.40			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.3			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	0.019			
E200.8	ALUMINUM (AL)	mg/L	TRC	0.217			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC	0.001			
E200.8	BARIUM (BA)	mg/L	DIS	0.070			
E200.8	BARIUM (BA)	mg/L	TRC	0.076			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008			
E200.7	BORON (B)	mg/L	DIS	0.18			
E200.7	BORON (B)	mg/L	TRC	0.18			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC	< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC	< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	0.002			
E200.8	COPPER (CU)	mg/L	TRC	0.003			
E200.8	IRON (FE)	mg/L	DIS	0.04			
E200.8	IRON (FE)	mg/L	TRC	0.34			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC	0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	0.013			
E200.8	MANGANESE (MN)	mg/L	TRC	0.021			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT	< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	0.003			
E200.8	NICKEL (NI)	mg/L	TRC	0.004			
E200.8	SELENIUM (SE)	mg/L	DIS	0.003			
E200.8	SELENIUM (SE)	mg/L	TRC	0.003			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	0.009			
E200.8	ZINC (ZN)	mg/L	TRC	0.015			

ATTACHMENTS

Table 1: Data Validation Codes and Definitions:

Code	***Definition***
A	Anomalous data. No apparent explanation for discrepancy in data
E	Estimated
H	Holding time not met. Indicates Low Bias
J	The associated numerical value is an estimated quantity because quality control criteria were not met
U	Blank exceedance. Indicates possible high bias and/or false positive
R	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.

TABLE 2: SUMMARY OF BLANKS											
			Sample Date	3/19/14 17:00				3/20/14 8:00			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-911				OCC-1403-807			
			lab_sample_id	H14030296-012				H14030296-023			
			WATER_LEVEL_DEPTH (FEET)								
			sample_type_code	B				B			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	5.9	H			5.8	H		
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2				2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	< 4				< 4			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS					< 4			
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS					< 0.1			
E200.7	CALCIUM (CA)	mg/L	DIS	< 1				< 1			
E200.7	CALCIUM (CA)	mg/L	TRC					< 1			
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1				< 1			
E200.7	MAGNESIUM (MG)	mg/L	TRC					< 1			
E200.7	SODIUM (NA)	mg/L	DIS	< 1				< 1			
E200.7	SODIUM (NA)	mg/L	TRC					< 1			
E200.7	POTASSIUM (K)	mg/L	DIS	< 1				< 1			
E200.7	POTASSIUM (K)	mg/L	TRC					< 1			
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	< 1				< 1			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1				1			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1				< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1							
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	< 1				< 1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1				< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.09				0.14			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1				< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01				< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009				< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC					< 0.009			
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001				< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC					< 0.001			
E200.8	BARIUM (BA)	mg/L	DIS	< 0.003				< 0.003			
E200.8	BARIUM (BA)	mg/L	TRC					< 0.003			
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008				< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC					< 0.0008			
E200.7	BORON (B)	mg/L	DIS	< 0.01				< 0.01			
E200.7	BORON (B)	mg/L	TRC					< 0.01			
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003				< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC					< 0.00003			
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001				< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC					< 0.001			
E200.8	COPPER (CU)	mg/L	DIS	< 0.001				< 0.001			
E200.8	COPPER (CU)	mg/L	TRC					< 0.001			
E200.8	IRON (FE)	mg/L	DIS	< 0.02				< 0.02			
E200.8	IRON (FE)	mg/L	TRC					< 0.02			
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003				< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC					< 0.0003			
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005				< 0.005			
E200.8	MANGANESE (MN)	mg/L	TRC					< 0.005			
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005				< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT					< 0.000005			
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005				< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC					< 0.005			
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002				< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC					< 0.002			
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001				< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC					< 0.001			
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01				< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC					< 0.01			
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008				< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC					< 0.008			

TABLE 2: SUMMARY OF BLANKS											
			Sample Date	3/20/14 19:10				3/21/14 12:30			
			Lab Code	EL				EL			
			Sample Code	OCC-1403-418				OCC-1403-420			
			lab_sample_id	H14030299-019				H14030299-021			
			WATER_LEVEL_DEPTH (FEET)								
			sample_type_code	B				B			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK	RESULT	LAB Q	VAL Q	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	5.9	H			5.8	H		
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2				2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	< 4				5			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS								
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS								
E200.7	CALCIUM (CA)	mg/L	DIS	< 1				< 1			
E200.7	CALCIUM (CA)	mg/L	TRC								
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1				< 1			
E200.7	MAGNESIUM (MG)	mg/L	TRC								
E200.7	SODIUM (NA)	mg/L	DIS	< 1				< 1			
E200.7	SODIUM (NA)	mg/L	TRC								
E200.7	POTASSIUM (K)	mg/L	DIS	< 1				< 1			
E200.7	POTASSIUM (K)	mg/L	TRC								
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	< 1				< 1			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1				1			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1				< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1				< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	< 1				< 1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1				< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.09				0.08			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1				< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01				< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009				< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC								
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001				< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC								
E200.8	BARIUM (BA)	mg/L	DIS	< 0.003				< 0.003			
E200.8	BARIUM (BA)	mg/L	TRC								
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008				< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC								
E200.7	BORON (B)	mg/L	DIS	< 0.01				< 0.01			
E200.7	BORON (B)	mg/L	TRC								
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003				< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC								
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001				< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC								
E200.8	COPPER (CU)	mg/L	DIS	< 0.001				< 0.001			
E200.8	COPPER (CU)	mg/L	TRC								
E200.8	IRON (FE)	mg/L	DIS	< 0.02				< 0.02			
E200.8	IRON (FE)	mg/L	TRC								
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003				< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC								
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005				< 0.005			
E200.8	MANGANESE (MN)	mg/L	TRC								
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005				< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT								
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005				< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC								
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002				< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC								
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001				< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC								
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01				< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC								
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008				< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC								

TABLE 2: SUMMARY OF BLANKS							
			Sample Date	3/27/14 15:00			
			Lab Code	EL			
			Sample Code	OCC-1403-935			
			lab_sample_id	H14030412-021			
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	B			
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	LAB Q	VAL Q	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	5.8	H		
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	2			
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	< 4			
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS				
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS				
E200.7	CALCIUM (CA)	mg/L	DIS	< 1			
E200.7	CALCIUM (CA)	mg/L	TRC				
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1			
E200.7	MAGNESIUM (MG)	mg/L	TRC				
E200.7	SODIUM (NA)	mg/L	DIS	< 1			
E200.7	SODIUM (NA)	mg/L	TRC				
E200.7	POTASSIUM (K)	mg/L	DIS	< 1			
E200.7	POTASSIUM (K)	mg/L	TRC				
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	< 1			
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1			
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1			
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1			
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	< 1			
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1			
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	0.03			
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1			
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01			
E200.8	ALUMINUM (AL)	mg/L	DIS	< 0.009			
E200.8	ALUMINUM (AL)	mg/L	TRC				
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001			
E200.8	ARSENIC (AS)	mg/L	TRC				
E200.8	BARIUM (BA)	mg/L	DIS	< 0.003			
E200.8	BARIUM (BA)	mg/L	TRC				
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008			
E200.8	BERYLLIUM (BE)	mg/L	TRC				
E200.7	BORON (B)	mg/L	DIS	< 0.01			
E200.7	BORON (B)	mg/L	TRC				
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003			
E200.8	CADMIUM (CD)	mg/L	TRC				
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001			
E200.8	CHROMIUM (CR)	mg/L	TRC				
E200.8	COPPER (CU)	mg/L	DIS	< 0.001			
E200.8	COPPER (CU)	mg/L	TRC				
E200.8	IRON (FE)	mg/L	DIS	< 0.02			
E200.8	IRON (FE)	mg/L	TRC				
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003			
E200.8	LEAD (PB)	mg/L	TRC				
E200.8	MANGANESE (MN)	mg/L	DIS	< 0.005			
E200.8	MANGANESE (MN)	mg/L	TRC				
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005			
E245.1	MERCURY (HG)	mg/L	TOT				
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005			
E200.8	MOLYBDENUM (MO)	mg/L	TRC				
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002			
E200.8	NICKEL (NI)	mg/L	TRC				
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001			
E200.8	SELENIUM (SE)	mg/L	TRC				
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01			
E200.8	VANADIUM (V)	mg/L	TRC				
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008			
E200.8	ZINC (ZN)	mg/L	TRC				

TABLE 3: SUMMARY OF DUPLICATES				B10-O	B10-O		
			Sample Date	3/25/14 18:00	3/25/14 18:10		
			Lab Code	EL	EL		
			Sample Code	OCC-1403-919	OCC-1403-920		
			lab_sample_id	H14030412-005	H14030412-006		
			WATER_LEVEL_DEPTH (FEET)	28.2	28.2		
			sample_type_code	N	D		
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	5.9	5.9	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	3340	3330	0.3	
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	3520	3540	0.6	
E200.7	CALCIUM (CA)	mg/L	DIS	29	28	3.5	
E200.7	MAGNESIUM (MG)	mg/L	DIS	26	25	3.9	
E200.7	SODIUM (NA)	mg/L	DIS	765	755	1.3	
E200.8	POTASSIUM (K)	mg/L	DIS	8	7	13.3	
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	320	320	0.0	
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	400	390	2.5	
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1	< 1	UDL	
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1	< 1	UDL	
A2310B	TOTAL ACIDITY AS CACO3	mg/L	NO MEAS	200	210	4.9	
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	17	16	6.1	
E300.0	SULFATE (SO4)	mg/L	NO MEAS	1300	1300	0.0	
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	24.8	24.8	0.0	
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	0.2	0.2	0.0	
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	0.79	0.43	59.0	SEE RPD
E200.7	ALUMINUM (AL)	mg/L	DIS	3.74	3.65	2.4	
E200.8	ARSENIC (AS)	mg/L	DIS	0.192	0.182	5.3	
E200.8	BARIUM (BA)	mg/L	DIS	0.077	0.081	5.1	
E200.8	BERYLLIUM (BE)	mg/L	DIS	0.0016	0.0015	6.5	
E200.8	BORON (B)	mg/L	DIS	0.38	0.38	0.0	
E200.8	CADMIUM (CD)	mg/L	DIS	0.0003	0.0004	28.6	SEE RPD
E200.8	CHROMIUM (CR)	mg/L	DIS	0.010	0.009	10.5	
E200.8	COPPER (CU)	mg/L	DIS	0.011	0.010	9.5	
E200.7	IRON (FE)	mg/L	DIS	26.3	25.8	1.9	
E200.8	LEAD (PB)	mg/L	DIS	0.0132	0.0130	1.5	
E200.8	MANGANESE (MN)	mg/L	DIS	0.100	0.098	2.0	
E245.1	MERCURY (HG)	mg/L	DIS	0.00011	0.00010	9.5	
E200.8	MOLYBDENUM (MO)	mg/L	DIS	0.020	0.021	4.9	
E200.8	NICKEL (NI)	mg/L	DIS	0.027	0.029	7.1	
E200.8	SELENIUM (SE)	mg/L	DIS	0.003	< 0.001	UDL	
E200.8	VANADIUM (V)	mg/L	DIS	0.03	0.03	0.0	
E200.8	ZINC (ZN)	mg/L	DIS	0.09	0.08	11.8	

TABLE 3: SUMMARY OF DUPLICATES				B9-K	B9-K		
			Sample Date	3/19/14 16:45	3/19/14 16:47		
			Lab Code	EL	EL		
			Sample Code	OCC-1403-908	OCC-1403-909		
			lab_sample_id	H14030296-009	H14030296-010		
			WATER_LEVEL_DEPTH (FEET)	99.83	99.83		
			sample_type_code	N	D		
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	8.4	8.3	1.2	
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1630	1630	0.0	
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	1000	991	0.9	
E200.7	CALCIUM (CA)	mg/L	DIS	2	2	0.0	
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1	< 1	UDL	
E200.8	SODIUM (NA)	mg/L	DIS	413	415	0.5	
E200.7	POTASSIUM (K)	mg/L	DIS	2	2	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	940	940	0.0	
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	1100	1100	0.0	
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	33	35	5.9	
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	25	25	0.0	
E300.0	SULFATE (SO4)	mg/L	NO MEAS	< 1	< 1	UDL	
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	61.3	60.9	0.7	
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.7	1.8	5.7	
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01	< 0.01	UDL	
E200.8	ALUMINUM (AL)	mg/L	DIS	0.010	< 0.009	UDL	
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	BARIUM (BA)	mg/L	DIS	0.112	0.113	0.9	
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008	< 0.0008	UDL	
E200.7	BORON (B)	mg/L	DIS	0.11	0.12	8.7	
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003	< 0.00003	UDL	
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	COPPER (CU)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	IRON (FE)	mg/L	DIS	0.20	0.20	0.0	
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003	< 0.0003	UDL	
E200.8	MANGANESE (MN)	mg/L	DIS	0.050	0.048	4.1	
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005	< 0.000005	UDL	
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002	< 0.002	UDL	
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008	< 0.008	UDL	

TABLE 3: SUMMARY OF DUPLICATES				K-4	K-4		
			Sample Date	3/19/14 10:10	3/19/14 10:15		
			Lab Code	EL	EL		
			Sample Code	OCC-1403-406	OCC-1403-407		
			lab_sample_id	H14030299-007	H14030299-008		
			WATER_LEVEL_DEPTH (FEET)	50.79	50.79		
			sample_type_code	N	D		
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	8.6	8.6	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	1080	1070	0.9	
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	665	658	1.1	
E200.7	CALCIUM (CA)	mg/L	DIS	2	2	0.0	
E200.7	MAGNESIUM (MG)	mg/L	DIS	< 1	< 1	UDL	
E200.7/8	SODIUM (NA)	mg/L	DIS	253	256	1.2	
E200.8	POTASSIUM (K)	mg/L	DIS	1	1	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	450	450	0.0	
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	490	490	0.0	
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	27	28	3.6	
A2320B	HYDROXIDE (OH)	mg/L	NO MEAS	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	9	9	0.0	
E300.0	SULFATE (SO4)	mg/L	NO MEAS	140	140	0.0	
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	43.0	42.7	0.7	
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	1.5	1.5	0.0	
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01	< 0.01	UDL	
E200.8	ALUMINUM (AL)	mg/L	DIS	0.079	0.096	19.4	
E200.8	ARSENIC (AS)	mg/L	DIS	0.001	0.002	66.7	SEE RPD
E200.8	BARIUM (BA)	mg/L	DIS	0.023	0.022	4.4	
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008	< 0.0008	UDL	
E200.7	BORON (B)	mg/L	DIS	0.13	0.12	8.0	
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003	< 0.00003	UDL	
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	COPPER (CU)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	IRON (FE)	mg/L	DIS	0.06	0.07	15.4	
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003	< 0.0003	UDL	
E200.8	MANGANESE (MN)	mg/L	DIS	0.013	0.014	7.4	
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005	< 0.000005	UDL	
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002	< 0.002	UDL	
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008	< 0.008	UDL	

TABLE 3: SUMMARY OF DUPLICATES				P1	P1		
			Sample Date	3/24/14 11:50	3/24/14 12:00		
			Lab Code	EL	EL		
			Sample Code	OCC-1403-707	OCC-1403-708		
			lab_sample_id	H14030353-003	H14030353-004		
			WATER_LEVEL_DEPTH (FEET)				
			sample_type_code	N	D		
METHOD	CHEMICAL NAME	UNIT	FRACTION	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	s.u.	NO MEAS	7.4	7.5	1.3	
A2510B	SC (UMHOS/CM AT 25 C)	umhos/cm	NO MEAS	315	320	1.6	
A2540C	TDS (MEASURED AT 180 C)	mg/L	NO MEAS	218	231	5.8	
A2540D	TOTAL SUSPENDED SOLIDS	mg/L	NO MEAS	25	29	14.8	
A2130B	TURBIDITY (NTU) - LAB	NTU	NO MEAS	38.4	38.3	0.3	
E200.7	CALCIUM (CA)	mg/L	DIS	14	14	0.0	
E200.7	CALCIUM (CA)	mg/L	TRC	16	17	6.1	
E200.7	MAGNESIUM (MG)	mg/L	DIS	5	5	0.0	
E200.7	MAGNESIUM (MG)	mg/L	TRC	6	6	0.0	
E200.7	SODIUM (NA)	mg/L	DIS	38	38	0.0	
E200.7	SODIUM (NA)	mg/L	TRC	41	43	4.8	
E200.7	POTASSIUM (K)	mg/L	DIS	4	4	0.0	
E200.7	POTASSIUM (K)	mg/L	TRC	4	4	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	mg/L	NO MEAS	78	79	1.3	
A2320B	BICARBONATE ALKALINITY AS HCO3	mg/L	NO MEAS	95	96	1.0	
A2320B	CARBONATE AS CO3	mg/L	NO MEAS	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	mg/L	NO MEAS	< 1	1	UDL	
E300.0	SULFATE (SO4)	mg/L	NO MEAS	72	73	1.4	
CALCULATION	SODIUM ADSORPTION RATIO	unitless	NO MEAS	2.18	2.20	0.9	
A4500-FC	FLUORIDE (F)	mg/L	NO MEAS	< 0.1	< 0.1	UDL	
E353.2	NITRATE + NITRITE AS N	mg/L	NO MEAS	< 0.01	< 0.01	UDL	
E200.7	ALUMINUM (AL)	mg/L	TRC	1.03	1.15	11.0	
E200.8	ALUMINUM (AL)	mg/L	DIS	0.235	0.270	13.9	
E200.8	ARSENIC (AS)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	ARSENIC (AS)	mg/L	TRC	< 0.001	0.001	UDL	
E200.8	BARIUM (BA)	mg/L	DIS	0.028	0.029	3.5	
E200.8	BARIUM (BA)	mg/L	TRC	0.035	0.038	8.2	
E200.8	BERYLLIUM (BE)	mg/L	DIS	< 0.0008	< 0.0008	UDL	
E200.8	BERYLLIUM (BE)	mg/L	TRC	< 0.0008	< 0.0008	UDL	
E200.8	BORON (B)	mg/L	DIS	0.01	0.01	0.0	
E200.8	BORON (B)	mg/L	TRC	0.02	0.01	66.7	SEE RPD
E200.8	CADMIUM (CD)	mg/L	DIS	< 0.00003	< 0.00003	UDL	
E200.8	CADMIUM (CD)	mg/L	TRC	0.00006	0.00008	28.6	SEE RPD
E200.8	CHROMIUM (CR)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	CHROMIUM (CR)	mg/L	TRC	0.001	0.001	0.0	
E200.8	COPPER (CU)	mg/L	DIS	0.001	0.002	66.7	SEE RPD
E200.8	COPPER (CU)	mg/L	TRC	0.003	0.003	0.0	
E200.7	IRON (FE)	mg/L	TRC	1.42	1.61	12.5	
E200.8	IRON (FE)	mg/L	DIS	0.22	0.24	8.7	
E200.8	LEAD (PB)	mg/L	DIS	< 0.0003	< 0.0003	UDL	
E200.8	LEAD (PB)	mg/L	TRC	0.0011	0.0013	16.7	
E200.8	MANGANESE (MN)	mg/L	DIS	0.041	0.042	2.4	
E200.8	MANGANESE (MN)	mg/L	TRC	0.041	0.050	19.8	
E245.1	MERCURY (HG)	mg/L	DIS	< 0.000005	< 0.000005	UDL	
E245.1	MERCURY (HG)	mg/L	TOT	0.000007	0.000007	0.0	
E200.8	MOLYBDENUM (MO)	mg/L	DIS	< 0.005	< 0.005	UDL	
E200.8	MOLYBDENUM (MO)	mg/L	TRC	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	mg/L	DIS	< 0.002	< 0.002	UDL	
E200.8	NICKEL (NI)	mg/L	TRC	0.004	0.004	0.0	
E200.8	SELENIUM (SE)	mg/L	DIS	< 0.001	< 0.001	UDL	
E200.8	SELENIUM (SE)	mg/L	TRC	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	mg/L	DIS	< 0.01	< 0.01	UDL	
E200.8	VANADIUM (V)	mg/L	TRC	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	mg/L	DIS	< 0.008	< 0.008	UDL	
E200.8	ZINC (ZN)	mg/L	TRC	0.011	0.013	16.7	

TABLE 4: SUMMARY OF FLAGGED DATA

SITE CODE	SAMPLE CODE	DATE	LAB ID	METHOD	chemical_name	RESULT	UNIT	FLAG	COMMENT
SW-9	OCC-1403-705	3/24/2014	H14030353-001	A2540D	TOTAL SUSPENDED SOLIDS	16	mg/L	H	HOLD TIME
AVF8-P4	OCC-1403-940	3/31/2014	H14040086-001	A2540C	TDS (MEASURED AT 180 C)	5750	mg/L	H	HOLD TIME
AVF8-P3	OCC-1403-941	3/31/2014	H14040086-002	A2540C	TDS (MEASURED AT 180 C)	4580	mg/L	H	HOLD TIME
AVF2-2	OCC-1403-942	3/31/2014	H14040086-003	A2540C	TDS (MEASURED AT 180 C)	2730	mg/L	H	HOLD TIME
AVF7-P3	OCC-1403-426	3/25/2014	H14030353-012	E353.2	NITRATE + NITRITE AS N	0.03	mg/L	J	RPD 59%
A6	OCC-1403-427	3/25/2014	H14030353-013	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%
B2-K	OCC-1403-915	3/25/2014	H14030412-001	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%
B2-U	OCC-1403-916	3/25/2014	H14030412-002	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%
B10-KL	OCC-1403-917	3/25/2014	H14030412-004	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%
B10-KU	OCC-1403-918	3/25/2014	H14030412-003	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%
B10-O	OCC-1403-919	3/25/2014	H14030412-005	E353.2	NITRATE + NITRITE AS N	0.79	mg/L	J	RPD 59%
B10-U	OCC-1403-921	3/25/2014	H14030412-007	E353.2	NITRATE + NITRITE AS N	< 0.01	mg/L	J	RPD 59%

TABLE 5: SUMMARY OF STATISTICS
A1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	0.00
ARSENIC (AS)	mg/L	0.045	11	11	0.03	0.045	0.04	0.006
BARIUM (BA)	mg/L	0.016	11	11	0.016	0.037	0.02	0.007
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.007
BICARBONATE ALKALINITY AS HCO3	mg/L	870	11	11	710	880	808.18	59.97
BORON (B)	mg/L	0.36	11	11	0.35	0.45	0.40	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	39	11	11	39	84	50.00	13.72
CARBONATE AS CO3	mg/L	8	6	6	8	27	18.00	6.45
CHLORIDE (CL)	mg/L	72	11	11	41	77	65.09	12.80
CHROMIUM (CR)	mg/L	0.011	11	11	0.01	0.012	0.01	0.0009
COPPER (CU)	mg/L	-	0	0	-	0	-	0.0009
FLUORIDE (F)	mg/L	2.7	11	11	2	3	2.66	0.36
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.36
IRON (FE)	mg/L	-	1	1	0.07	0.07	0.07	0.36
LEAD (PB)	mg/L	-	0	0	-	0	-	0.36
MAGNESIUM (MG)	mg/L	66	11	11	64	131	79.82	20.98
MANGANESE (MN)	mg/L	-	1	1	0.008	0.008	0.008	20.98
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	20.98
MOLYBDENUM (MO)	mg/L	0.012	11	11	0.01	0.014	0.01	0.0011
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0011
NITRATE + NITRITE AS N	mg/L	1.22	11	11	0.96	1.35	1.19	0.14
pH - LAB	s.u.	7.9	11	11	7.7	8.3	7.93	0.21
PHOSPHORUS (P)	mg/L	-	1	1	0.049	0.049	0.05	0.21
POTASSIUM (K)	mg/L	21	11	11	21	28	23.18	2.32
SC (UMHOS/CM AT 25 C)	umhos/cm	2390	11	11	2320	2800	2,483.64	158.95
SELENIUM (SE)	mg/L	0.006	11	11	0.005	0.006	0.005	0.0005
SODIUM (NA)	mg/L	406	11	11	402	484	424.55	24.55
SODIUM ADSORPTION RATIO	unitless	9.23	11	11	7.81	9.33	8.81	0.53
SULFATE (SO4)	mg/L	550	11	11	490	1100	671.82	205.42
TDS (MEASURED AT 180 C)	mg/L	1590	11	11	1420	2180	1,664.55	234.32
TOTAL ALKALINITY AS CACO3	mg/L	720	11	11	580	730	678.18	52.31
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	52.31
VANADIUM (V)	mg/L	0.25	11	11	0.2	0.3	0.27	0.05
ZINC (ZN)	mg/L	-	0	0	-	0	-	0.05

TABLE 5: SUMMARY OF STATISTICS
A3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	0.05
ARSENIC (AS)	mg/L	0.005	11	11	0.004	0.005	0.005	0.0005
BARIUM (BA)	mg/L	0.015	11	11	0.014	0.02	0.01	0.0018
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0018
BICARBONATE ALKALINITY AS HCO3	mg/L	770	11	11	660	780	750.91	33.30
BORON (B)	mg/L	0.52	11	11	0.47	0.55	0.50	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	120	11	11	120	138	127.64	6.10
CARBONATE AS CO3	mg/L	-	2	2	11	12	11.50	6.10
CHLORIDE (CL)	mg/L	8	11	11	5	9	7.00	1.26
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.26
COPPER (CU)	mg/L	-	0	0	-	0	-	1.26
FLUORIDE (F)	mg/L	0.6	11	11	0.6	0.7	0.62	0.04
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.04
IRON (FE)	mg/L	2.32	11	11	2.28	2.97	2.43	0.19
LEAD (PB)	mg/L	-	0	0	-	0	-	0.19
MAGNESIUM (MG)	mg/L	192	11	11	181	212	193.91	8.25
MANGANESE (MN)	mg/L	0.258	11	11	0.239	0.281	0.26	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.01
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.01
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.01
pH - LAB	s.u.	7.5	11	11	7.4	8.1	7.60	0.21
PHOSPHORUS (P)	mg/L	-	1	1	0.045	0.045	0.05	0.21
POTASSIUM (K)	mg/L	20	11	11	19	21	20.00	0.45
SC (UMHOS/CM AT 25 C)	umhos/cm	3340	11	11	2760	3460	3,270.00	229.91
SELENIUM (SE)	mg/L	-	0	0	-	0	-	229.91
SODIUM (NA)	mg/L	433	11	11	398	433	414.91	11.33
SODIUM ADSORPTION RATIO	unitless	5.7	11	11	5.19	5.7	5.41	0.18
SULFATE (SO4)	mg/L	1500	11	11	1300	1500	1,427.27	64.67
TDS (MEASURED AT 180 C)	mg/L	2640	11	11	2200	2660	2,508.18	137.32
TOTAL ALKALINITY AS CACO3	mg/L	630	11	11	560	640	619.09	22.12
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.1	0.1	0.10	22.12
VANADIUM (V)	mg/L	-	0	0	-	0	-	22.12
ZINC (ZN)	mg/L	-	0	0	-	0	-	22.12

TABLE 5: SUMMARY OF STATISTICS
A4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	1.5	1.5	1.50	22.12
ARSENIC (AS)	mg/L	-	0	0	-	0	-	22.12
BARIUM (BA)	mg/L	0.018	11	11	0.016	0.046	0.02	0.009
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.009
BICARBONATE ALKALINITY AS HCO3	mg/L	680	11	11	580	680	652.73	28.67
BORON (B)	mg/L	0.48	11	11	0.42	0.48	0.44	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	116	11	11	108	131	117.55	5.89
CARBONATE AS CO3	mg/L	-	2	2	10	13	11.50	5.89
CHLORIDE (CL)	mg/L	8	11	11	5	9	7.09	1.30
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.002	0.0015	1.30
COPPER (CU)	mg/L	0.001	3	3	0.001	0.003	0.0020	0.0010
FLUORIDE (F)	mg/L	0.8	11	11	0.7	0.9	0.79	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	-	1	1	2.02	2.02	2.02	0.05
LEAD (PB)	mg/L	-	1	1	0.0015	0.0015	0.0015	0.05
MAGNESIUM (MG)	mg/L	199	11	11	178	199	188.27	6.39
MANGANESE (MN)	mg/L	1.42	11	11	1.26	1.42	1.32	0.05
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.05
MOLYBDENUM (MO)	mg/L	0.007	11	11	0.007	0.007	0.007	0.00
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.00
NITRATE + NITRITE AS N	mg/L	-	10	10	0.03	0.12	0.07	0.03
pH - LAB	s.u.	7.5	11	11	7.4	8	7.63	0.17
PHOSPHORUS (P)	mg/L	-	1	1	0.049	0.049	0.05	0.17
POTASSIUM (K)	mg/L	16	11	11	14	16	15.36	0.67
SC (UMHOS/CM AT 25 C)	umhos/cm	3160	11	11	2600	3180	3,021.82	185.68
SELENIUM (SE)	mg/L	-	0	0	-	0	-	185.68
SODIUM (NA)	mg/L	363	11	11	343	374	359.82	9.73
SODIUM ADSORPTION RATIO	unitless	4.74	11	11	4.64	4.95	4.80	0.11
SULFATE (SO4)	mg/L	1500	11	11	1200	1500	1,345.45	82.02
TDS (MEASURED AT 180 C)	mg/L	2510	11	11	2060	2510	2,330.91	116.91
TOTAL ALKALINITY AS CACO3	mg/L	550	11	11	490	560	537.27	19.54
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	19.54
VANADIUM (V)	mg/L	-	0	0	-	0	-	19.54
ZINC (ZN)	mg/L	-	0	0	-	0	-	19.54

TABLE 5: SUMMARY OF STATISTICS
A5 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A5	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	19.54
ARSENIC (AS)	mg/L	-	0	0	-	0	-	19.54
BARIUM (BA)	mg/L	0.019	11	11	0.018	0.03	0.02	0.004
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.004
BICARBONATE ALKALINITY AS HCO3	mg/L	800	11	11	700	830	785.27	41.35
BORON (B)	mg/L	0.27	11	11	0.26	0.36	0.31	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	143	11	11	143	208	173.27	22.52
CARBONATE AS CO3	mg/L	-	1	1	31	31	31.00	22.52
CHLORIDE (CL)	mg/L	11	11	11	9	18	12.09	2.26
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.26
COPPER (CU)	mg/L	-	3	3	0.001	0.003	0.0020	0.0010
FLUORIDE (F)	mg/L	0.4	11	11	0.4	0.5	0.47	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	0.2	9	9	0.08	1.32	0.37	0.38
LEAD (PB)	mg/L	-	0	0	-	0	-	0.38
MAGNESIUM (MG)	mg/L	183	11	11	180	240	201.00	21.79
MANGANESE (MN)	mg/L	0.008	7	7	0.008	0.014	0.01	0.0023
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.0023
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.0023
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0023
NITRATE + NITRITE AS N	mg/L	0.06	11	11	0.03	0.41	0.13	0.14
pH - LAB	s.u.	7.5	11	11	7	8	7.42	0.24
PHOSPHORUS (P)	mg/L	-	1	1	0.007	0.007	0.007	0.24
POTASSIUM (K)	mg/L	12	11	11	12	17	14.45	1.51
SC (UMHOS/CM AT 25 C)	umhos/cm	3480	11	11	3360	3940	3,566.36	167.65
SELENIUM (SE)	mg/L	-	3	3	0.002	0.006	0.004	0.0021
SODIUM (NA)	mg/L	453	11	11	451	530	475.82	22.66
SODIUM ADSORPTION RATIO	unitless	5.91	11	11	5.28	6.31	5.83	0.31
SULFATE (SO4)	mg/L	1600	11	11	1300	2010	1,637.27	217.44
TDS (MEASURED AT 180 C)	mg/L	2680	11	11	2530	3390	2,891.82	312.82
TOTAL ALKALINITY AS CACO3	mg/L	650	11	11	570	680	647.18	34.28
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	34.28
VANADIUM (V)	mg/L	-	0	0	-	0	-	34.28
ZINC (ZN)	mg/L	-	0	0	-	0	-	34.28

TABLE 5: SUMMARY OF STATISTICS
A6 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A6	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.7	0.7	0.70	34.28
ARSENIC (AS)	mg/L	-	0	0	-	0	-	34.28
BARIUM (BA)	mg/L	0.018	11	11	0.017	0.037	0.02	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	950	11	11	840	960	923.64	32.02
BORON (B)	mg/L	0.44	11	11	0.37	0.44	0.41	0.02
CADMIUM (CD)	mg/L	0.00003	1	1	0.00003	0.00003	0.000030	0.02
CALCIUM (CA)	mg/L	163	11	11	144	228	172.36	23.69
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	23.69
CHLORIDE (CL)	mg/L	20	11	11	9	28	20.18	5.93
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	5.93
COPPER (CU)	mg/L	-	8	8	0.001	0.004	0.0018	0.0010
FLUORIDE (F)	mg/L	0.6	11	11	0.3	0.7	0.62	0.12
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.12
IRON (FE)	mg/L	-	1	1	0.86	0.86	0.86	0.12
LEAD (PB)	mg/L	-	1	1	0.0006	0.0006	0.0006	0.12
MAGNESIUM (MG)	mg/L	299	11	11	266	432	312.36	43.62
MANGANESE (MN)	mg/L	1.16	11	11	1.04	1.26	1.13	0.07
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	0.07
MOLYBDENUM (MO)	mg/L	0.01	11	11	0.008	0.01	0.009	0.0006
NICKEL (NI)	mg/L	0.003	2	2	0.002	0.003	0.0025	0.0006
NITRATE + NITRITE AS N	mg/L	-	8	8	0.01	2.39	0.43	0.83
pH - LAB	s.u.	8	11	11	7.5	8.2	7.67	0.24
PHOSPHORUS (P)	mg/L	-	1	1	0.029	0.029	0.03	0.24
POTASSIUM (K)	mg/L	26	11	11	23	31	26.55	2.21
SC (UMHOS/CM AT 25 C)	umhos/cm	5560	11	11	4810	6650	5,609.09	443.56
SELENIUM (SE)	mg/L	-	0	0	-	0	-	443.56
SODIUM (NA)	mg/L	860	11	11	831	1070	889.27	82.89
SODIUM ADSORPTION RATIO	unitless	9.25	11	11	8.85	10.6	9.35	0.46
SULFATE (SO4)	mg/L	2700	11	11	2400	3900	2,890.91	418.22
TDS (MEASURED AT 180 C)	mg/L	4570	11	11	3930	6380	4,721.82	677.32
TOTAL ALKALINITY AS CACO3	mg/L	780	11	11	690	780	756.36	25.01
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	25.01
VANADIUM (V)	mg/L	-	0	0	-	0	-	25.01
ZINC (ZN)	mg/L	-	0	0	-	0	-	25.01

TABLE 5: SUMMARY OF STATISTICS
A7 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	A7	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.2	0.2	0.20	25.01
ARSENIC (AS)	mg/L	0.003	5	5	0.003	0.003	0.0030	0.00
BARIUM (BA)	mg/L	0.019	11	11	0.017	0.019	0.02	0.0008
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0008
BICARBONATE ALKALINITY AS HCO3	mg/L	770	11	11	670	780	749.09	30.81
BORON (B)	mg/L	0.45	11	11	0.37	0.45	0.41	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	129	11	11	125	144	131.91	5.47
CARBONATE AS CO3	mg/L	-	2	2	9	13	11.00	5.47
CHLORIDE (CL)	mg/L	16	11	11	11	17	14.91	2.07
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.07
COPPER (CU)	mg/L	-	0	0	-	0	-	2.07
FLUORIDE (F)	mg/L	0.9	11	11	0.8	0.9	0.88	0.04
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.04
IRON (FE)	mg/L	5.03	11	11	4.23	5.48	5.10	0.40
LEAD (PB)	mg/L	-	0	0	-	0	-	0.40
MAGNESIUM (MG)	mg/L	209	11	11	193	212	203.18	6.38
MANGANESE (MN)	mg/L	0.555	11	11	0.502	0.562	0.53	0.02
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	0.02
MOLYBDENUM (MO)	mg/L	0.006	11	11	0.005	0.006	0.005	0.00030
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.00030
NITRATE + NITRITE AS N	mg/L	0.01	4	4	0.01	1.05	0.27	0.52
pH - LAB	s.u.	7.6	11	11	7.5	8.2	7.65	0.20
PHOSPHORUS (P)	mg/L	-	1	1	0.023	0.023	0.02	0.20
POTASSIUM (K)	mg/L	20	11	11	19	21	19.91	0.54
SC (UMHOS/CM AT 25 C)	umhos/cm	3840	11	11	3200	4200	3,758.18	291.85
SELENIUM (SE)	mg/L	-	0	0	-	0	-	291.85
SODIUM (NA)	mg/L	534	11	11	504	558	529.27	17.87
SODIUM ADSORPTION RATIO	unitless	6.76	11	11	6.41	7.22	6.69	0.26
SULFATE (SO4)	mg/L	1800	11	11	1600	1800	1,718.18	87.39
TDS (MEASURED AT 180 C)	mg/L	2910	11	11	2640	3110	2,891.82	137.54
TOTAL ALKALINITY AS CACO3	mg/L	630	11	11	560	640	616.36	22.03
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.61	0.61	0.61	22.03
VANADIUM (V)	mg/L	-	0	0	-	0	-	22.03
ZINC (ZN)	mg/L	-	0	0	-	0	-	22.03

TABLE 5: SUMMARY OF STATISTICS
AVF1-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF1-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.1	0.1	0.10	22.03
ARSENIC (AS)	mg/L	0.003	4	4	0.003	0.003	0.0030	0.00
BARIUM (BA)	mg/L	0.023	11	11	0.021	0.024	0.02	0.0010
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0010
BICARBONATE ALKALINITY AS HCO3	mg/L	620	11	11	540	640	603.64	33.84
BORON (B)	mg/L	0.63	11	11	0.54	0.65	0.58	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	53	11	11	51	59	55.00	2.37
CARBONATE AS CO3	mg/L	-	5	5	4	13	7.00	3.54
CHLORIDE (CL)	mg/L	9	11	11	6	9	7.73	1.01
CHROMIUM (CR)	mg/L	-	1	1	0.004	0.004	0.004	1.01
COPPER (CU)	mg/L	-	0	0	-	0	-	1.01
FLUORIDE (F)	mg/L	1.4	11	11	1.3	1.6	1.42	0.09
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.09
IRON (FE)	mg/L	1.42	11	11	1.32	1.96	1.59	0.18
LEAD (PB)	mg/L	-	0	0	-	0	-	0.18
MAGNESIUM (MG)	mg/L	69	11	11	64	69	66.18	1.47
MANGANESE (MN)	mg/L	0.193	11	11	0.176	0.201	0.19	0.006
MERCURY (HG)	mg/L	-	1	1	0.00001	0.00001	0.000010	0.006
MOLYBDENUM (MO)	mg/L	0.01	11	11	0.009	0.01	0.010	0.0004
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0004
NITRATE + NITRITE AS N	mg/L	0.09	2	2	0.02	0.09	0.06	0.0004
pH - LAB	s.u.	7.6	11	11	7.6	8.4	7.74	0.24
PHOSPHORUS (P)	mg/L	-	1	1	0.029	0.029	0.03	0.24
POTASSIUM (K)	mg/L	16	11	11	15	17	16.09	0.70
SC (UMHOS/CM AT 25 C)	umhos/cm	1740	11	11	1530	1820	1,706.36	84.29
SELENIUM (SE)	mg/L	-	0	0	-	0	-	84.29
SODIUM (NA)	mg/L	252	11	11	236	254	244.91	5.39
SODIUM ADSORPTION RATIO	unitless	5.36	11	11	5.13	5.38	5.26	0.09
SULFATE (SO4)	mg/L	540	11	11	390	540	465.45	42.75
TDS (MEASURED AT 180 C)	mg/L	1190	11	11	1080	1190	1,136.36	33.84
TOTAL ALKALINITY AS CACO3	mg/L	510	11	11	450	520	500.00	24.49
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.13	0.13	0.13	24.49
VANADIUM (V)	mg/L	-	0	0	-	0	-	24.49
ZINC (ZN)	mg/L	-	0	0	-	0	-	24.49

TABLE 5: SUMMARY OF STATISTICS
AVF2-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF2-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	31-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	24.49
ARSENIC (AS)	mg/L	0.004	10	10	0.003	0.004	0.004	0.0005
BARIUM (BA)	mg/L	0.022	10	10	0.02	0.028	0.02	0.0025
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0025
BICARBONATE ALKALINITY AS HCO3	mg/L	610	10	10	530	620	592.00	26.16
BORON (B)	mg/L	0.54	10	10	0.47	0.57	0.52	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	114	10	10	100	118	109.30	5.48
CARBONATE AS CO3	mg/L	-	2	2	4	9	6.50	5.48
CHLORIDE (CL)	mg/L	9	10	10	3	11	8.00	2.21
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.21
COPPER (CU)	mg/L	-	0	0	-	0	-	2.21
FLUORIDE (F)	mg/L	0.8	10	10	0.7	0.9	0.77	0.07
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.07
IRON (FE)	mg/L	4.62	10	10	4.16	5.44	4.57	0.38
LEAD (PB)	mg/L	-	0	0	-	0	-	0.38
MAGNESIUM (MG)	mg/L	187	10	10	162	187	176.90	9.43
MANGANESE (MN)	mg/L	0.813	10	10	0.712	0.879	0.77	0.05
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.05
MOLYBDENUM (MO)	mg/L	0.009	10	10	0.008	0.009	0.009	0.0005
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0005
NITRATE + NITRITE AS N	mg/L	-	1	1	0.34	0.34	0.34	0.0005
pH - LAB	s.u.	7.5	10	10	7.5	8.2	7.60	0.22
PHOSPHORUS (P)	mg/L	-	1	1	0.023	0.023	0.02	0.22
POTASSIUM (K)	mg/L	22	10	10	20	23	21.60	1.07
SC (UMHOS/CM AT 25 C)	umhos/cm	3390	10	10	3060	3440	3,309.00	125.56
SELENIUM (SE)	mg/L	-	0	0	-	0	-	125.56
SODIUM (NA)	mg/L	447	10	10	410	460	440.50	17.37
SODIUM ADSORPTION RATIO	unitless	5.99	10	10	5.83	6.23	6.06	0.13
SULFATE (SO4)	mg/L	1600	10	10	1400	1600	1,480.00	78.88
TDS (MEASURED AT 180 C)	mg/L	2730	10	10	2020	2750	2,501.00	203.06
TOTAL ALKALINITY AS CACO3	mg/L	500	10	10	450	510	488.00	17.51
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.16	0.16	0.16	17.51
VANADIUM (V)	mg/L	-	0	0	-	0	-	17.51
ZINC (ZN)	mg/L	-	0	0	-	0	-	17.51

TABLE 5: SUMMARY OF STATISTICS
AVF3-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF3-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	15-Apr-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	17.51
ARSENIC (AS)	mg/L	0.003	4	4	0.003	0.003	0.0030	0.00
BARIUM (BA)	mg/L	0.022	11	11	0.02	0.025	0.02	0.0016
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0016
BICARBONATE ALKALINITY AS HCO3	mg/L	850	11	11	780	880	851.82	26.76
BORON (B)	mg/L	0.35	11	11	0.34	0.41	0.36	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	198	11	11	177	209	195.27	9.30
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	9.30
CHLORIDE (CL)	mg/L	23	11	11	15	28	21.73	4.00
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	4.00
COPPER (CU)	mg/L	-	0	0	-	0	-	4.00
FLUORIDE (F)	mg/L	0.6	11	11	0.6	0.7	0.61	0.03
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.03
IRON (FE)	mg/L	1.81	11	11	1.62	2.24	1.80	0.16
LEAD (PB)	mg/L	-	0	0	-	0	-	0.16
MAGNESIUM (MG)	mg/L	324	11	11	295	324	311.45	9.84
MANGANESE (MN)	mg/L	1.69	11	11	1.58	1.69	1.64	0.04
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.04
MOLYBDENUM (MO)	mg/L	0.005	3	3	0.005	0.006	0.005	0.0006
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0006
NITRATE + NITRITE AS N	mg/L	-	1	1	0.06	0.06	0.06	0.0006
pH - LAB	s.u.	7.4	11	11	7.4	8.5	7.56	0.32
PHOSPHORUS (P)	mg/L	-	1	1	0.028	0.028	0.03	0.32
POTASSIUM (K)	mg/L	25	11	11	23	25	24.09	0.70
SC (UMHOS/CM AT 25 C)	umhos/cm	4860	11	11	4110	5080	4,771.82	304.95
SELENIUM (SE)	mg/L	-	0	0	-	0	-	304.95
SODIUM (NA)	mg/L	642	11	11	602	654	623.82	17.03
SODIUM ADSORPTION RATIO	unitless	6.53	11	11	6.2	6.83	6.45	0.18
SULFATE (SO4)	mg/L	2500	11	11	2200	2500	2,400.00	109.54
TDS (MEASURED AT 180 C)	mg/L	4270	11	11	3700	4270	4,041.82	209.51
TOTAL ALKALINITY AS CACO3	mg/L	700	11	11	640	720	700.00	22.80
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.18	0.18	0.18	22.80
VANADIUM (V)	mg/L	-	0	0	-	0	-	22.80
ZINC (ZN)	mg/L	-	0	0	-	0	-	22.80

TABLE 5: SUMMARY OF STATISTICS
AVF3-P1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF3-P1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	15-Apr-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.032	0.032	0.03	22.80
ARSENIC (AS)	mg/L	-	1	1	0.005	0.005	0.005	22.80
BARIUM (BA)	mg/L	-	1	1	0.058	0.058	0.06	22.80
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	22.80
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1100	1100	1,100.00	22.80
BORON (B)	mg/L	-	1	1	0.48	0.48	0.48	22.80
CADMIUM (CD)	mg/L	-	0	0	-	0	-	22.80
CALCIUM (CA)	mg/L	275	2	2	275	333	304.00	22.80
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	22.80
CHLORIDE (CL)	mg/L	62	2	2	62	77	69.50	22.80
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	22.80
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	22.80
FLUORIDE (F)	mg/L	-	1	1	0.6	0.6	0.60	22.80
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	22.80
IRON (FE)	mg/L	-	1	1	3.52	3.52	3.52	22.80
LEAD (PB)	mg/L	-	0	0	-	0	-	22.80
MAGNESIUM (MG)	mg/L	236	2	2	236	273	254.50	22.80
MANGANESE (MN)	mg/L	-	1	1	9.75	9.75	9.75	22.80
MERCURY (HG)	mg/L	-	1	1	0.00003	0.00003	0.000030	22.80
MOLYBDENUM (MO)	mg/L	-	1	1	0.012	0.012	0.01	22.80
NICKEL (NI)	mg/L	-	1	1	0.019	0.019	0.02	22.80
NITRATE + NITRITE AS N	mg/L	0.1	2	2	0.05	0.1	0.08	22.80
pH - LAB	s.u.	7.4	2	2	7.4	7.6	7.50	22.80
POTASSIUM (K)	mg/L	13	2	2	13	22	17.50	22.80
SC (UMHOS/CM AT 25 C)	umhos/cm	5340	2	2	5340	5720	5,530.00	22.80
SELENIUM (SE)	mg/L	-	0	0	-	0	-	22.80
SODIUM (NA)	mg/L	708	2	2	708	725	716.50	22.80
SODIUM ADSORPTION RATIO	unitless	7.57	2	2	7.14	7.57	7.36	22.80
SULFATE (SO4)	mg/L	2600	2	2	2600	2800	2,700.00	22.80
TDS (MEASURED AT 180 C)	mg/L	4780	2	2	4780	4940	4,860.00	22.80
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	920	920	920.00	22.80
VANADIUM (V)	mg/L	-	0	0	-	0	-	22.80
ZINC (ZN)	mg/L	-	0	0	-	0	-	22.80

TABLE 5: SUMMARY OF STATISTICS
AVF3-P2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF3-P2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	15-Apr-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.013	0.013	0.01	22.80
ARSENIC (AS)	mg/L	-	1	1	0.002	0.002	0.0020	22.80
BARIUM (BA)	mg/L	-	1	1	0.02	0.02	0.02	22.80
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	22.80
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1000	1000	1,000.00	22.80
BORON (B)	mg/L	-	1	1	0.53	0.53	0.53	22.80
CADMIUM (CD)	mg/L	-	0	0	-	0	-	22.80
CALCIUM (CA)	mg/L	408	3	3	319	408	355.00	46.87
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	46.87
CHLORIDE (CL)	mg/L	94	3	3	74	94	81.67	10.79
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	10.79
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	10.79
FLUORIDE (F)	mg/L	-	1	1	0.7	0.7	0.70	10.79
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	10.79
IRON (FE)	mg/L	-	1	1	1.12	1.12	1.12	10.79
LEAD (PB)	mg/L	-	0	0	-	0	-	10.79
MAGNESIUM (MG)	mg/L	1020	3	3	669	1020	793.33	196.61
MANGANESE (MN)	mg/L	-	1	1	4.79	4.79	4.79	196.61
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	196.61
MOLYBDENUM (MO)	mg/L	-	1	1	0.007	0.007	0.007	196.61
NICKEL (NI)	mg/L	-	1	1	0.014	0.014	0.01	196.61
NITRATE + NITRITE AS N	mg/L	0.02	1	1	0.02	0.02	0.02	196.61
pH - LAB	s.u.	7.4	3	3	7.3	7.4	7.33	0.06
POTASSIUM (K)	mg/L	25	3	3	25	27	25.67	1.15
SC (UMHOS/CM AT 25 C)	umhos/cm	12300	3	3	9660	12300	10,626.67	1,454.97
SELENIUM (SE)	mg/L	-	0	0	-	0	-	1,454.97
SODIUM (NA)	mg/L	2000	3	3	1330	2000	1,580.00	365.92
SODIUM ADSORPTION RATIO	unitless	12.1	3	3	9.74	12.1	10.65	1.27
SULFATE (SO4)	mg/L	8900	3	3	5500	8900	6,800.00	1,835.76
TDS (MEASURED AT 180 C)	mg/L	13500	3	3	7920	13500	10,146.67	2,955.70
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	860	860	860.00	2,955.70
VANADIUM (V)	mg/L	-	0	0	-	0	-	2,955.70
ZINC (ZN)	mg/L	-	0	0	-	0	-	2,955.70

TABLE 5: SUMMARY OF STATISTICS
AVF3-P3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF3-P3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	15-Apr-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.035	0.035	0.04	2,955.70
ARSENIC (AS)	mg/L	-	1	1	0.002	0.002	0.0020	2,955.70
BARIUM (BA)	mg/L	-	1	1	0.027	0.027	0.03	2,955.70
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	2,955.70
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1100	1100	1,100.00	2,955.70
BORON (B)	mg/L	-	1	1	0.46	0.46	0.46	2,955.70
CADMIUM (CD)	mg/L	-	0	0	-	0	-	2,955.70
CALCIUM (CA)	mg/L	304	3	3	192	304	236.00	59.73
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	59.73
CHLORIDE (CL)	mg/L	77	3	3	47	77	57.00	17.32
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	17.32
COPPER (CU)	mg/L	-	0	0	-	0	-	17.32
FLUORIDE (F)	mg/L	-	1	1	0.5	0.5	0.50	17.32
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	17.32
IRON (FE)	mg/L	-	1	1	0.36	0.36	0.36	17.32
LEAD (PB)	mg/L	-	0	0	-	0	-	17.32
MAGNESIUM (MG)	mg/L	482	3	3	298	482	364.00	102.43
MANGANESE (MN)	mg/L	-	1	1	0.683	0.683	0.68	102.43
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	102.43
MOLYBDENUM (MO)	mg/L	-	1	1	0.009	0.009	0.009	102.43
NICKEL (NI)	mg/L	-	1	1	0.006	0.006	0.006	102.43
NITRATE + NITRITE AS N	mg/L	-	1	1	0.01	0.01	0.01	102.43
pH - LAB	s.u.	7.5	3	3	7.4	7.5	7.43	0.06
POTASSIUM (K)	mg/L	21	3	3	18	21	19.67	1.53
SC (UMHOS/CM AT 25 C)	umhos/cm	7540	3	3	5930	7540	6,500.00	902.05
SELENIUM (SE)	mg/L	-	0	0	-	0	-	902.05
SODIUM (NA)	mg/L	1150	3	3	822	1150	948.67	176.29
SODIUM ADSORPTION RATIO	unitless	9.54	3	3	8.66	9.54	9.04	0.45
SULFATE (SO4)	mg/L	4400	3	3	2800	4400	3,333.33	923.76
TDS (MEASURED AT 180 C)	mg/L	7010	3	3	4090	7010	5,280.00	1,533.07
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	890	890	890.00	1,533.07
VANADIUM (V)	mg/L	-	0	0	-	0	-	1,533.07
ZINC (ZN)	mg/L	-	1	1	0.018	0.018	0.02	1,533.07

TABLE 5: SUMMARY OF STATISTICS
AVF4-P1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF4-P1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.038	0.038	0.04	1,533.07
ARSENIC (AS)	mg/L	-	1	1	0.001	0.001	0.0010	1,533.07
BARIUM (BA)	mg/L	-	1	1	0.011	0.011	0.01	1,533.07
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	1,533.07
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1100	1100	1,100.00	1,533.07
BORON (B)	mg/L	-	1	1	1.37	1.37	1.37	1,533.07
CADMIUM (CD)	mg/L	-	0	0	-	0	-	1,533.07
CALCIUM (CA)	mg/L	38	3	3	38	42	40.67	2.31
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	2.31
CHLORIDE (CL)	mg/L	46	3	3	41	46	43.00	2.65
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.65
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	2.65
FLUORIDE (F)	mg/L	-	1	1	1.3	1.3	1.30	2.65
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	2.65
IRON (FE)	mg/L	-	0	0	-	0	-	2.65
LEAD (PB)	mg/L	-	0	0	-	0	-	2.65
MAGNESIUM (MG)	mg/L	218	3	3	218	233	224.67	7.64
MANGANESE (MN)	mg/L	-	1	1	0.038	0.038	0.04	7.64
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	7.64
MOLYBDENUM (MO)	mg/L	-	1	1	0.027	0.027	0.03	7.64
NICKEL (NI)	mg/L	-	0	0	-	0	-	7.64
NITRATE + NITRITE AS N	mg/L	3.24	3	3	1.99	3.24	2.54	0.64
pH - LAB	s.u.	8	3	3	8	8	8.00	0.00
POTASSIUM (K)	mg/L	24	3	3	24	25	24.67	0.58
SC (UMHOS/CM AT 25 C)	umhos/cm	6020	3	3	6020	6310	6,196.67	155.03
SELENIUM (SE)	mg/L	-	1	1	0.001	0.001	0.0010	155.03
SODIUM (NA)	mg/L	1110	3	3	1090	1150	1,116.67	30.55
SODIUM ADSORPTION RATIO	unitless	15.3	3	3	14.82	15.4	15.17	0.31
SULFATE (SO4)	mg/L	2900	3	3	2800	2900	2,833.33	57.74
TDS (MEASURED AT 180 C)	mg/L	4840	3	3	4120	4840	4,533.33	371.66
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	900	900	900.00	371.66
VANADIUM (V)	mg/L	-	0	0	-	0	-	371.66
ZINC (ZN)	mg/L	-	0	0	-	0	-	371.66

TABLE 5: SUMMARY OF STATISTICS
AVF4-P2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF4-P2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	371.66
ARSENIC (AS)	mg/L	-	1	1	0.002	0.002	0.0020	371.66
BARIUM (BA)	mg/L	-	1	1	0.025	0.025	0.03	371.66
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	371.66
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1000	1000	1,000.00	371.66
BORON (B)	mg/L	-	1	1	0.52	0.52	0.52	371.66
CADMIUM (CD)	mg/L	-	0	0	-	0	-	371.66
CALCIUM (CA)	mg/L	188	3	3	188	220	207.00	16.82
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	16.82
CHLORIDE (CL)	mg/L	26	3	3	26	32	30.00	3.46
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	3.46
COPPER (CU)	mg/L	-	0	0	-	0	-	3.46
FLUORIDE (F)	mg/L	-	1	1	0.9	0.9	0.90	3.46
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	3.46
IRON (FE)	mg/L	-	1	1	0.91	0.91	0.91	3.46
LEAD (PB)	mg/L	-	0	0	-	0	-	3.46
MAGNESIUM (MG)	mg/L	406	3	3	406	443	427.33	19.14
MANGANESE (MN)	mg/L	-	1	1	2.91	2.91	2.91	19.14
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	19.14
MOLYBDENUM (MO)	mg/L	-	1	1	0.016	0.016	0.02	19.14
NICKEL (NI)	mg/L	-	1	1	0.009	0.009	0.009	19.14
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	19.14
pH - LAB	s.u.	7.4	3	3	7.4	7.4	7.40	0.00
POTASSIUM (K)	mg/L	23	3	3	23	28	25.67	2.52
SC (UMHOS/CM AT 25 C)	umhos/cm	6410	3	3	6410	7010	6,800.00	338.08
SELENIUM (SE)	mg/L	-	0	0	-	0	-	338.08
SODIUM (NA)	mg/L	947	3	3	947	1010	974.00	32.45
SODIUM ADSORPTION RATIO	unitless	8.9	3	3	8.72	9.02	8.88	0.15
SULFATE (SO4)	mg/L	3700	3	3	3700	3700	3,700.00	0.00
TDS (MEASURED AT 180 C)	mg/L	5870	3	3	5100	5920	5,630.00	459.67
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	850	850	850.00	459.67
VANADIUM (V)	mg/L	-	0	0	-	0	-	459.67
ZINC (ZN)	mg/L	-	0	0	-	0	-	459.67

TABLE 5: SUMMARY OF STATISTICS
AVF4-P3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF4-P3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
CALCIUM (CA)	mg/L	269	1	1	269	269	269.00	459.67
CHLORIDE (CL)	mg/L	8	1	1	8	8	8.00	459.67
MAGNESIUM (MG)	mg/L	355	1	1	355	355	355.00	459.67
NITRATE + NITRITE AS N	mg/L	1.25	1	1	1.25	1.25	1.25	459.67
pH - LAB	s.u.	7.3	1	1	7.3	7.3	7.30	459.67
POTASSIUM (K)	mg/L	11	1	1	11	11	11.00	459.67
SC (UMHOS/CM AT 25 C)	umhos/cm	5230	1	1	5230	5230	5,230.00	459.67
SODIUM (NA)	mg/L	576	1	1	576	576	576.00	459.67
SODIUM ADSORPTION RATIO	unitless	5.42	1	1	5.42	5.42	5.42	459.67
SULFATE (SO4)	mg/L	2800	1	1	2800	2800	2,800.00	459.67
TDS (MEASURED AT 180 C)	mg/L	4810	1	1	4810	4810	4,810.00	459.67

TABLE 5: SUMMARY OF STATISTICS
AVF5-1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF5-1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	2	2	0.5	2	1.25	459.67
ARSENIC (AS)	mg/L	-	0	0	-	0	-	459.67
BARIUM (BA)	mg/L	0.026	11	11	0.022	0.062	0.03	0.01
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.01
BICARBONATE ALKALINITY AS HCO3	mg/L	580	11	11	490	580	538.18	25.23
BORON (B)	mg/L	0.67	11	11	0.6	0.67	0.63	0.02
CADMIUM (CD)	mg/L	-	1	1	0.00094	0.00094	0.0009	0.02
CALCIUM (CA)	mg/L	77	11	11	72	85	77.82	4.62
CARBONATE AS CO3	mg/L	-	1	1	6	6	6.00	4.62
CHLORIDE (CL)	mg/L	9	11	11	6	9	7.18	1.33
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.004	0.0025	1.33
COPPER (CU)	mg/L	-	2	2	0.002	0.008	0.005	1.33
FLUORIDE (F)	mg/L	1.5	11	11	1.4	2	1.53	0.17
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.17
IRON (FE)	mg/L	-	4	4	0.05	3.81	1.05	1.84
LEAD (PB)	mg/L	-	1	1	0.0029	0.0029	0.0029	1.84
MAGNESIUM (MG)	mg/L	87	11	11	74	87	80.73	4.88
MANGANESE (MN)	mg/L	0.044	11	11	0.044	0.107	0.06	0.02
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	0.02
MOLYBDENUM (MO)	mg/L	0.008	11	11	0.007	0.008	0.008	0.0005
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0005
NITRATE + NITRITE AS N	mg/L	1.16	11	11	0.57	1.27	0.87	0.22
pH - LAB	s.u.	7.5	11	11	7.4	8.3	7.62	0.28
PHOSPHORUS (P)	mg/L	-	1	1	0.053	0.053	0.05	0.28
POTASSIUM (K)	mg/L	14	11	11	12	14	13.36	0.67
SC (UMHOS/CM AT 25 C)	umhos/cm	1650	11	11	1300	1700	1,536.36	117.16
SELENIUM (SE)	mg/L	0.001	10	10	0.001	0.003	0.0017	0.0007
SODIUM (NA)	mg/L	172	11	11	149	172	160.55	7.80
SODIUM ADSORPTION RATIO	unitless	3.2	11	11	2.93	3.2	3.06	0.08
SULFATE (SO4)	mg/L	530	11	11	380	530	452.73	39.52
TDS (MEASURED AT 180 C)	mg/L	1140	11	11	919	1140	1,020.55	59.36
TOTAL ALKALINITY AS CACO3	mg/L	480	11	11	410	480	443.64	20.63
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	20.63
VANADIUM (V)	mg/L	-	0	0	-	0	-	20.63
ZINC (ZN)	mg/L	-	1	1	0.02	0.02	0.02	20.63

TABLE 5: SUMMARY OF STATISTICS
AVF6-3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF6-3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	20.63
ARSENIC (AS)	mg/L	0.007	11	11	0.006	0.008	0.007	0.0007
BARIUM (BA)	mg/L	0.021	11	11	0.019	0.023	0.02	0.0011
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0011
BICARBONATE ALKALINITY AS HCO3	mg/L	760	11	11	650	780	729.09	40.61
BORON (B)	mg/L	0.47	11	11	0.4	0.49	0.45	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	95	11	11	95	109	102.64	4.39
CARBONATE AS CO3	mg/L	-	5	5	5	54	20.60	19.35
CHLORIDE (CL)	mg/L	11	11	11	5	17	10.55	3.11
CHROMIUM (CR)	mg/L	-	1	1	0.007	0.007	0.007	3.11
COPPER (CU)	mg/L	-	1	1	0.002	0.002	0.0020	3.11
FLUORIDE (F)	mg/L	0.7	11	11	0.7	0.8	0.75	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	-	1	1	0.06	0.06	0.06	0.05
LEAD (PB)	mg/L	-	0	0	-	0	-	0.05
MAGNESIUM (MG)	mg/L	129	11	11	126	144	133.64	5.05
MANGANESE (MN)	mg/L	0.176	11	11	0.161	0.182	0.17	0.007
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.007
MOLYBDENUM (MO)	mg/L	0.005	1	1	0.005	0.005	0.005	0.007
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.007
NITRATE + NITRITE AS N	mg/L	0.79	11	11	0.79	0.92	0.87	0.05
pH - LAB	s.u.	8.2	11	11	7.5	8.2	7.76	0.25
PHOSPHORUS (P)	mg/L	-	1	1	0.059	0.059	0.06	0.25
POTASSIUM (K)	mg/L	21	11	11	20	22	21.18	0.60
SC (UMHOS/CM AT 25 C)	umhos/cm	3040	11	11	2500	3110	2,933.64	199.06
SELENIUM (SE)	mg/L	0.004	11	11	0.003	0.004	0.004	0.0004
SODIUM (NA)	mg/L	420	11	11	405	449	426.36	12.86
SODIUM ADSORPTION RATIO	unitless	6.6	11	11	6.14	6.81	6.54	0.19
SULFATE (SO4)	mg/L	1200	11	11	1000	1200	1,136.36	80.90
TDS (MEASURED AT 180 C)	mg/L	2220	11	11	1540	2220	2,082.73	198.80
TOTAL ALKALINITY AS CACO3	mg/L	620	11	11	560	640	613.64	23.78
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	23.78
VANADIUM (V)	mg/L	0.09	2	2	0.09	0.09	0.09	23.78
ZINC (ZN)	mg/L	-	0	0	-	0	-	23.78

TABLE 5: SUMMARY OF STATISTICS
AVF7-P1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF7-P1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.011	0.011	0.01	23.78
ARSENIC (AS)	mg/L	-	0	0	-	0	-	23.78
BARIUM (BA)	mg/L	-	1	1	0.024	0.024	0.02	23.78
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	23.78
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1100	1100	1,100.00	23.78
BORON (B)	mg/L	-	1	1	0.53	0.53	0.53	23.78
CADMIUM (CD)	mg/L	-	0	0	-	0	-	23.78
CALCIUM (CA)	mg/L	90	3	3	90	104	99.33	8.08
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	8.08
CHLORIDE (CL)	mg/L	32	3	3	32	40	37.33	4.62
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	4.62
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	4.62
FLUORIDE (F)	mg/L	-	1	1	0.8	0.8	0.80	4.62
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	4.62
IRON (FE)	mg/L	-	0	0	-	0	-	4.62
LEAD (PB)	mg/L	-	0	0	-	0	-	4.62
MAGNESIUM (MG)	mg/L	178	3	3	178	226	208.67	26.63
MANGANESE (MN)	mg/L	-	1	1	0.094	0.094	0.09	26.63
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	26.63
MOLYBDENUM (MO)	mg/L	-	1	1	0.005	0.005	0.005	26.63
NICKEL (NI)	mg/L	-	0	0	-	0	-	26.63
NITRATE + NITRITE AS N	mg/L	0.95	3	3	0.3	0.95	0.64	0.33
pH - LAB	s.u.	7.6	3	3	7.5	7.6	7.57	0.06
POTASSIUM (K)	mg/L	25	3	3	25	30	28.00	2.65
SC (UMHOS/CM AT 25 C)	umhos/cm	4050	3	3	4050	4720	4,440.00	348.28
SELENIUM (SE)	mg/L	-	0	0	-	0	-	348.28
SODIUM (NA)	mg/L	632	3	3	632	732	691.33	52.55
SODIUM ADSORPTION RATIO	unitless	8.88	3	3	8.88	9.29	9.04	0.22
SULFATE (SO4)	mg/L	1600	3	3	1600	1900	1,800.00	173.21
TDS (MEASURED AT 180 C)	mg/L	3100	3	3	3100	3520	3,246.67	236.92
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	870	870	870.00	236.92
VANADIUM (V)	mg/L	-	0	0	-	0	-	236.92
ZINC (ZN)	mg/L	-	0	0	-	0	-	236.92

TABLE 5: SUMMARY OF STATISTICS
AVF7-P2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF7-P2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.029	0.029	0.03	236.92
ARSENIC (AS)	mg/L	-	1	1	0.001	0.001	0.0010	236.92
BARIUM (BA)	mg/L	-	1	1	0.042	0.042	0.04	236.92
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	236.92
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1000	1000	1,000.00	236.92
BORON (B)	mg/L	-	1	1	0.55	0.55	0.55	236.92
CADMIUM (CD)	mg/L	-	0	0	-	0	-	236.92
CALCIUM (CA)	mg/L	50	2	2	50	70	60.00	236.92
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	236.92
CHLORIDE (CL)	mg/L	28	2	2	28	29	28.50	236.92
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	236.92
COPPER (CU)	mg/L	-	0	0	-	0	-	236.92
FLUORIDE (F)	mg/L	-	1	1	1.3	1.3	1.30	236.92
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	236.92
IRON (FE)	mg/L	-	1	1	0.11	0.11	0.11	236.92
LEAD (PB)	mg/L	-	0	0	-	0	-	236.92
MAGNESIUM (MG)	mg/L	115	2	2	115	134	124.50	236.92
MANGANESE (MN)	mg/L	-	1	1	0.981	0.981	0.98	236.92
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	236.92
MOLYBDENUM (MO)	mg/L	-	1	1	0.03	0.03	0.03	236.92
NICKEL (NI)	mg/L	-	1	1	0.006	0.006	0.006	236.92
NITRATE + NITRITE AS N	mg/L	0.59	2	2	0.59	0.65	0.62	236.92
pH - LAB	s.u.	7.9	2	2	7.8	7.9	7.85	236.92
POTASSIUM (K)	mg/L	25	2	2	25	25	25.00	236.92
SC (UMHOS/CM AT 25 C)	umhos/cm	3890	2	2	3890	4130	4,010.00	236.92
SELENIUM (SE)	mg/L	-	1	1	0.002	0.002	0.0020	236.92
SODIUM (NA)	mg/L	694	2	2	694	698	696.00	236.92
SODIUM ADSORPTION RATIO	unitless	12.4	2	2	11.3	12.4	11.85	236.92
SULFATE (SO4)	mg/L	1500	2	2	1500	1500	1,500.00	236.92
TDS (MEASURED AT 180 C)	mg/L	2820	2	2	2820	2900	2,860.00	236.92
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	820	820	820.00	236.92
VANADIUM (V)	mg/L	-	0	0	-	0	-	236.92
ZINC (ZN)	mg/L	-	0	0	-	0	-	236.92

TABLE 5: SUMMARY OF STATISTICS
AVF7-P3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF7-P3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.132	0.132	0.13	236.92
ARSENIC (AS)	mg/L	-	1	1	0.002	0.002	0.0020	236.92
BARIUM (BA)	mg/L	-	1	1	0.025	0.025	0.03	236.92
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	236.92
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1000	1000	1,000.00	236.92
BORON (B)	mg/L	-	1	1	0.75	0.75	0.75	236.92
CADMIUM (CD)	mg/L	-	1	1	0.00005	0.00005	0.00005	236.92
CALCIUM (CA)	mg/L	149	3	3	149	191	174.00	22.11
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	22.11
CHLORIDE (CL)	mg/L	26	3	3	26	43	35.33	8.62
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	8.62
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	8.62
FLUORIDE (F)	mg/L	-	1	1	0.9	0.9	0.90	8.62
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	8.62
IRON (FE)	mg/L	-	1	1	0.13	0.13	0.13	8.62
LEAD (PB)	mg/L	-	0	0	-	0	-	8.62
MAGNESIUM (MG)	mg/L	430	3	3	430	495	462.00	32.51
MANGANESE (MN)	mg/L	-	1	1	5.78	5.78	5.78	32.51
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	32.51
MOLYBDENUM (MO)	mg/L	-	1	1	0.009	0.009	0.009	32.51
NICKEL (NI)	mg/L	-	1	1	0.015	0.015	0.02	32.51
NITRATE + NITRITE AS N	mg/L	0.03	2	2	0.02	0.03	0.03	32.51
pH - LAB	s.u.	7.5	3	3	7.5	7.7	7.57	0.12
POTASSIUM (K)	mg/L	25	3	3	25	33	29.33	4.04
SC (UMHOS/CM AT 25 C)	umhos/cm	7400	3	3	7400	8580	8,133.33	640.10
SELENIUM (SE)	mg/L	-	0	0	-	0	-	640.10
SODIUM (NA)	mg/L	1340	3	3	1340	1380	1,353.33	23.09
SODIUM ADSORPTION RATIO	unitless	12.6	3	3	11.62	12.6	12.21	0.52
SULFATE (SO4)	mg/L	3900	3	3	3900	4700	4,433.33	461.88
TDS (MEASURED AT 180 C)	mg/L	6780	3	3	6250	7150	6,726.67	452.36
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	840	840	840.00	452.36
VANADIUM (V)	mg/L	-	0	0	-	0	-	452.36
ZINC (ZN)	mg/L	-	1	1	0.031	0.031	0.03	452.36

TABLE 5: SUMMARY OF STATISTICS
AVF7-P4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF7-P4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.015	0.015	0.02	452.36
ARSENIC (AS)	mg/L	-	1	1	0.007	0.007	0.007	452.36
BARIUM (BA)	mg/L	-	1	1	0.027	0.027	0.03	452.36
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	452.36
BICARBONATE ALKALINITY AS HCO3	mg/L	-	1	1	1000	1000	1,000.00	452.36
BORON (B)	mg/L	-	1	1	0.67	0.67	0.67	452.36
CADMIUM (CD)	mg/L	-	0	0	-	0	-	452.36
CALCIUM (CA)	mg/L	271	3	3	270	273	271.33	1.53
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	1.53
CHLORIDE (CL)	mg/L	34	3	3	33	41	36.00	4.36
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	4.36
COPPER (CU)	mg/L	-	0	0	-	0	-	4.36
FLUORIDE (F)	mg/L	-	1	1	1.1	1.1	1.10	4.36
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	4.36
IRON (FE)	mg/L	-	1	1	6.94	6.94	6.94	4.36
LEAD (PB)	mg/L	-	0	0	-	0	-	4.36
MAGNESIUM (MG)	mg/L	835	3	3	666	835	734.00	89.20
MANGANESE (MN)	mg/L	-	1	1	7.32	7.32	7.32	89.20
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	89.20
MOLYBDENUM (MO)	mg/L	-	1	1	0.008	0.008	0.008	89.20
NICKEL (NI)	mg/L	-	1	1	0.023	0.023	0.02	89.20
NITRATE + NITRITE AS N	mg/L	1.26	2	2	0.12	1.26	0.69	89.20
pH - LAB	s.u.	7.4	3	3	7.3	7.4	7.33	0.06
POTASSIUM (K)	mg/L	27	3	3	26	29	27.33	1.53
SC (UMHOS/CM AT 25 C)	umhos/cm	14100	3	3	10900	14100	12,000.00	1,819.34
SELENIUM (SE)	mg/L	-	0	0	-	0	-	1,819.34
SODIUM (NA)	mg/L	2860	3	3	1790	2860	2,196.67	579.34
SODIUM ADSORPTION RATIO	unitless	19.4	3	3	13.29	19.4	15.60	3.32
SULFATE (SO4)	mg/L	9200	3	3	6400	9200	7,500.00	1,493.32
TDS (MEASURED AT 180 C)	mg/L	15100	3	3	8710	15100	11,303.33	3,360.66
TOTAL ALKALINITY AS CACO3	mg/L	-	1	1	840	840	840.00	3,360.66
VANADIUM (V)	mg/L	-	0	0	-	0	-	3,360.66
ZINC (ZN)	mg/L	-	1	1	0.014	0.014	0.01	3,360.66

TABLE 5: SUMMARY OF STATISTICS
AVF8-P3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF8-P3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	31-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.026	1	1	0.026	0.026	0.03	3,360.66
ARSENIC (AS)	mg/L	-	0	0	-	0	-	3,360.66
BARIUM (BA)	mg/L	0.021	2	2	0.021	0.026	0.02	3,360.66
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	3,360.66
BICARBONATE ALKALINITY AS HCO3	mg/L	870	2	2	870	870	870.00	3,360.66
BORON (B)	mg/L	0.56	2	2	0.51	0.56	0.54	3,360.66
CADMIUM (CD)	mg/L	-	0	0	-	0	-	3,360.66
CALCIUM (CA)	mg/L	180	3	3	180	191	187.33	6.35
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	6.35
CHLORIDE (CL)	mg/L	23	3	3	23	28	25.67	2.52
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.52
COPPER (CU)	mg/L	-	0	0	-	0	-	2.52
FLUORIDE (F)	mg/L	0.6	2	2	0.6	0.7	0.65	2.52
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	2.52
IRON (FE)	mg/L	0.03	2	2	0.03	0.31	0.17	2.52
LEAD (PB)	mg/L	-	0	0	-	0	-	2.52
MAGNESIUM (MG)	mg/L	332	3	3	332	340	336.67	4.16
MANGANESE (MN)	mg/L	2.53	2	2	2.53	3.24	2.89	4.16
MERCURY (HG)	mg/L	-	0	0	-	0	-	4.16
MOLYBDENUM (MO)	mg/L	0.01	2	2	0.01	0.01	0.01	4.16
NICKEL (NI)	mg/L	0.007	2	2	0.007	0.008	0.008	4.16
NITRATE + NITRITE AS N	mg/L	0.08	1	1	0.08	0.08	0.08	4.16
pH - LAB	s.u.	7.4	3	3	7.4	7.5	7.43	0.06
POTASSIUM (K)	mg/L	23	3	3	23	25	24.00	1.00
SC (UMHOS/CM AT 25 C)	umhos/cm	5220	3	3	5220	5680	5,480.00	235.80
SELENIUM (SE)	mg/L	0.001	1	1	0.001	0.001	0.0010	235.80
SODIUM (NA)	mg/L	743	3	3	730	780	751.00	25.94
SODIUM ADSORPTION RATIO	unitless	7.59	3	3	7.35	7.84	7.59	0.25
SULFATE (SO4)	mg/L	2800	3	3	2800	2900	2,833.33	57.74
TDS (MEASURED AT 180 C)	mg/L	4580	3	3	4220	4580	4,460.00	207.85
TOTAL ALKALINITY AS CACO3	mg/L	710	2	2	710	720	715.00	207.85
VANADIUM (V)	mg/L	-	0	0	-	0	-	207.85
ZINC (ZN)	mg/L	-	0	0	-	0	-	207.85

TABLE 5: SUMMARY OF STATISTICS
AVF8-P4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	AVF8-P4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	31-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.041	2	2	0.014	0.041	0.03	207.85
ARSENIC (AS)	mg/L	-	1	1	0.001	0.001	0.0010	207.85
BARIUM (BA)	mg/L	0.019	2	2	0.019	0.029	0.02	207.85
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	207.85
BICARBONATE ALKALINITY AS HCO3	mg/L	990	2	2	990	1000	995.00	207.85
BORON (B)	mg/L	0.66	2	2	0.57	0.66	0.62	207.85
CADMIUM (CD)	mg/L	0.00003	2	2	0.00003	0.00005	0.00004	207.85
CALCIUM (CA)	mg/L	189	3	3	184	192	188.33	4.04
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	4.04
CHLORIDE (CL)	mg/L	26	3	3	26	32	29.33	3.06
CHROMIUM (CR)	mg/L	0.002	1	1	0.002	0.002	0.0020	3.06
COPPER (CU)	mg/L	0.002	1	1	0.002	0.002	0.0020	3.06
FLUORIDE (F)	mg/L	0.5	2	2	0.5	0.7	0.60	3.06
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	3.06
IRON (FE)	mg/L	-	1	1	0.03	0.03	0.03	3.06
LEAD (PB)	mg/L	-	0	0	-	0	-	3.06
MAGNESIUM (MG)	mg/L	384	3	3	347	384	365.00	18.52
MANGANESE (MN)	mg/L	0.353	2	2	0.353	2.54	1.45	18.52
MERCURY (HG)	mg/L	-	1	1	0.00002	0.00002	0.000020	18.52
MOLYBDENUM (MO)	mg/L	0.014	2	2	0.014	0.02	0.02	18.52
NICKEL (NI)	mg/L	0.003	2	2	0.003	0.007	0.005	18.52
NITRATE + NITRITE AS N	mg/L	0.37	3	3	0.05	0.37	0.20	0.16
pH - LAB	s.u.	7.6	3	3	7.6	7.8	7.70	0.10
POTASSIUM (K)	mg/L	31	3	3	31	35	32.33	2.31
SC (UMHOS/CM AT 25 C)	umhos/cm	6460	3	3	6460	6750	6,633.33	153.08
SELENIUM (SE)	mg/L	0.002	1	1	0.002	0.002	0.0020	153.08
SODIUM (NA)	mg/L	1080	3	3	972	1080	1,012.67	58.73
SODIUM ADSORPTION RATIO	unitless	10.4	3	3	9.5	10.4	9.92	0.45
SULFATE (SO4)	mg/L	3400	3	3	3400	3500	3,433.33	57.74
TDS (MEASURED AT 180 C)	mg/L	5750	3	3	4660	5750	5,293.33	566.07
TOTAL ALKALINITY AS CACO3	mg/L	810	2	2	810	840	825.00	566.07
VANADIUM (V)	mg/L	-	0	0	-	0	-	566.07
ZINC (ZN)	mg/L	0.06	2	2	0.046	0.06	0.05	566.07

TABLE 5: SUMMARY OF STATISTICS
B10-KL - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B10-KL	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.071	10	10	0.071	66	6.80	20.80
ARSENIC (AS)	mg/L	-	1	1	0.019	0.019	0.02	20.80
BARIUM (BA)	mg/L	0.147	11	11	0.091	3.38	0.43	0.98
BERYLLIUM (BE)	mg/L	-	1	1	0.013	0.013	0.01	0.98
BICARBONATE ALKALINITY AS HCO3	mg/L	920	11	11	800	930	900.00	40.00
BORON (B)	mg/L	0.1	11	11	0.09	0.36	0.14	0.08
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.08
CALCIUM (CA)	mg/L	3	11	11	3	38	6.45	10.47
CARBONATE AS CO3	mg/L	37	11	11	31	51	40.64	5.50
CHLORIDE (CL)	mg/L	31	11	11	13	31	26.82	5.10
CHROMIUM (CR)	mg/L	-	4	4	0.001	0.013	0.004	0.006
COPPER (CU)	mg/L	-	2	2	0.001	0.04	0.02	0.006
FLUORIDE (F)	mg/L	2.4	11	11	2.3	3	2.76	0.25
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.25
IRON (FE)	mg/L	0.07	11	11	0.07	31.4	2.96	9.43
LEAD (PB)	mg/L	-	2	2	0.0008	0.065	0.03	9.43
MAGNESIUM (MG)	mg/L	-	2	2	1	21	11.00	9.43
MANGANESE (MN)	mg/L	0.013	11	11	0.013	0.412	0.05	0.12
MERCURY (HG)	mg/L	-	1	1	0.00018	0.00018	0.00018	0.12
MOLYBDENUM (MO)	mg/L	-	1	1	0.006	0.006	0.006	0.12
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.12
NITRATE + NITRITE AS N	mg/L	-	1	1	0.01	0.01	0.01	0.12
pH - LAB	s.u.	8.4	11	11	8.3	8.7	8.40	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.579	0.579	0.58	0.13
POTASSIUM (K)	mg/L	2	11	11	2	13	3.00	3.32
SC (UMHOS/CM AT 25 C)	umhos/cm	1430	11	11	1390	1500	1,458.18	34.01
SELENIUM (SE)	mg/L	-	0	0	-	0	-	34.01
SODIUM (NA)	mg/L	365	11	11	345	449	370.36	27.58
SODIUM ADSORPTION RATIO	unitless	45.2	11	11	42.1	47.7	44.96	1.76
SULFATE (SO4)	mg/L	-	6	6	1	27	6.83	10.13
TDS (MEASURED AT 180 C)	mg/L	863	11	11	777	980	876.55	51.50
TOTAL ALKALINITY AS CACO3	mg/L	820	11	11	730	830	805.45	28.06
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.63	0.63	0.63	28.06
VANADIUM (V)	mg/L	-	0	0	-	0	-	28.06
ZINC (ZN)	mg/L	-	1	1	0.13	0.13	0.13	28.06

TABLE 5: SUMMARY OF STATISTICS
B10-KU - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B10-KU	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.009	4	4	0.009	4.4	1.38	2.06
ARSENIC (AS)	mg/L	-	1	1	0.0037	0.0037	0.004	2.06
BARIUM (BA)	mg/L	0.016	12	12	0.014	0.16	0.03	0.04
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.04
BICARBONATE ALKALINITY AS HCO3	mg/L	1400	12	12	1180	1500	1,415.00	115.09
BORON (B)	mg/L	0.3	12	12	0.25	0.3	0.27	0.02
CADMIUM (CD)	mg/L	-	1	1	0.00011	0.00011	0.00011	0.02
CALCIUM (CA)	mg/L	95	12	12	87	105	94.32	5.43
CARBONATE AS CO3	mg/L	-	3	3	14	33	20.67	10.69
CHLORIDE (CL)	mg/L	11	11	11	7	12	10.00	1.95
CHROMIUM (CR)	mg/L	-	3	3	0.001	0.008	0.004	0.004
COPPER (CU)	mg/L	-	7	7	0.001	0.014	0.007	0.005
FLUORIDE (F)	mg/L	0.3	11	11	0.3	0.4	0.37	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	0.51	12	12	0.47	4.6	1.14	1.27
LEAD (PB)	mg/L	-	4	4	0.0009	0.0052	0.0026	0.0020
MAGNESIUM (MG)	mg/L	42	12	12	38	45.5	41.13	2.07
MANGANESE (MN)	mg/L	0.045	12	12	0.04	0.1	0.05	0.02
MERCURY (HG)	mg/L	-	2	2	0.00001	0.00014	0.00008	0.02
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.02
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.02
NITRATE + NITRITE AS N	mg/L	-	3	3	0.01	0.03	0.02	0.01
pH - LAB	s.u.	7.3	12	12	7.3	8.2	7.67	0.33
PHOSPHORUS (P)	mg/L	-	1	1	0.03	0.03	0.03	0.33
POTASSIUM (K)	mg/L	13	12	12	12	14.4	13.12	0.73
SC (UMHOS/CM AT 25 C)	umhos/cm	5060	12	12	4600	5250	5,085.00	199.89
SELENIUM (SE)	mg/L	-	0	0	-	0	-	199.89
SODIUM (NA)	mg/L	1200	12	12	1070	1200	1,123.33	37.98
SODIUM ADSORPTION RATIO	unitless	25.8	12	12	23.4	25.8	24.32	0.73
SULFATE (SO4)	mg/L	1900	12	12	1500	1900	1,676.67	130.69
TDS (MEASURED AT 180 C)	mg/L	3760	12	12	3630	4090	3,812.50	126.43
TOTAL ALKALINITY AS CACO3	mg/L	1200	11	11	1100	1200	1,181.82	40.45
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	4.1	4.1	4.10	40.45
VANADIUM (V)	mg/L	-	0	0	-	0	-	40.45
ZINC (ZN)	mg/L	-	4	4	0.02	0.04	0.03	0.009

TABLE 5: SUMMARY OF STATISTICS
B10-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B10-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	3.74	11	11	3.44	13.9	6.36	3.12
ARSENIC (AS)	mg/L	0.192	11	11	0.02	0.214	0.18	0.05
BARIUM (BA)	mg/L	0.077	11	11	0.009	0.183	0.09	0.04
BERYLLIUM (BE)	mg/L	0.0016	9	9	0.001	0.01	0.0028	0.0028
BICARBONATE ALKALINITY AS HCO3	mg/L	400	11	11	370	440	411.82	19.40
BORON (B)	mg/L	0.38	11	11	0.03	0.46	0.35	0.11
CADMIUM (CD)	mg/L	0.0003	7	7	0.0002	0.0005	0.0004	0.00010
CALCIUM (CA)	mg/L	29	11	11	27	46	32.91	5.17
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	5.17
CHLORIDE (CL)	mg/L	17	11	11	10	17	13.64	2.42
CHROMIUM (CR)	mg/L	0.01	11	11	0.002	0.042	0.01	0.01
COPPER (CU)	mg/L	0.011	11	11	0.002	0.04	0.01	0.01
FLUORIDE (F)	mg/L	0.2	9	9	0.2	0.3	0.22	0.04
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.04
IRON (FE)	mg/L	26.3	11	11	26.3	55.8	34.84	8.16
LEAD (PB)	mg/L	0.0132	11	11	0.0016	0.0326	0.02	0.008
MAGNESIUM (MG)	mg/L	26	11	11	24	32	27.18	2.44
MANGANESE (MN)	mg/L	0.1	11	11	0.012	0.249	0.12	0.06
MERCURY (HG)	mg/L	0.00011	11	11	0.00011	0.0003	0.00015	0.00005
MOLYBDENUM (MO)	mg/L	0.02	10	10	0.012	0.029	0.02	0.007
NICKEL (NI)	mg/L	0.027	9	9	0.027	0.06	0.03	0.01
NITRATE + NITRITE AS N	mg/L	0.79	9	9	0.05	0.8	0.45	0.32
pH - LAB	s.u.	5.9	11	11	5.8	6.3	5.92	0.17
PHOSPHORUS (P)	mg/L	-	1	1	2.16	2.16	2.16	0.17
POTASSIUM (K)	mg/L	8	11	11	6	9	7.36	0.92
SC (UMHOS/CM AT 25 C)	umhos/cm	3340	11	11	2970	3440	3,295.45	158.83
SELENIUM (SE)	mg/L	0.003	9	9	0.001	0.008	0.004	0.0019
SODIUM (NA)	mg/L	765	11	11	733	886	776.73	41.42
SODIUM ADSORPTION RATIO	unitless	24.8	11	11	21.9	25	24.14	1.00
SULFATE (SO4)	mg/L	1300	11	11	1200	1300	1,227.27	46.71
TDS (MEASURED AT 180 C)	mg/L	3520	11	11	3440	4230	3,806.36	250.41
TOTAL ACIDITY AS CACO3	mg/L	200	4	4	48	200	147.00	67.99
TOTAL ALKALINITY AS CACO3	mg/L	320	11	11	300	360	335.45	16.35
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	1	1	1.00	16.35
VANADIUM (V)	mg/L	0.03	2	2	0.03	0.03	0.03	16.35
ZINC (ZN)	mg/L	0.09	10	10	0.049	0.11	0.08	0.02

TABLE 5: SUMMARY OF STATISTICS
B10-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B10-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	2	2	0.5	0.69	0.60	0.02
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.02
BARIUM (BA)	mg/L	0.139	12	12	0.118	0.139	0.13	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	800	12	12	651	890	782.58	58.90
BORON (B)	mg/L	0.16	12	12	0.15	0.16	0.16	0.005
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.005
CALCIUM (CA)	mg/L	3	12	12	3	4.2	3.18	0.43
CARBONATE AS CO3	mg/L	31	11	11	15	40	30.33	8.01
CHLORIDE (CL)	mg/L	67	12	12	59	67	62.58	2.43
CHROMIUM (CR)	mg/L	-	1	1	0.001	0.001	0.0010	2.43
COPPER (CU)	mg/L	-	1	1	0.0021	0.0021	0.0021	2.43
FLUORIDE (F)	mg/L	2	12	12	2	2.4	2.16	0.18
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.18
IRON (FE)	mg/L	0.06	8	8	0.05	0.54	0.17	0.21
LEAD (PB)	mg/L	-	2	2	0.0005	0.00077	0.0006	0.21
MAGNESIUM (MG)	mg/L	-	2	2	1	1.1	1.05	0.21
MANGANESE (MN)	mg/L	0.035	12	12	0.019	0.052	0.03	0.009
MERCURY (HG)	mg/L	-	1	1	2.19E-06	2.19E-06	0.0000022	0.009
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.009
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.009
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.009
pH - LAB	s.u.	8.4	12	12	8.2	8.6	8.41	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.093	0.093	0.09	0.13
POTASSIUM (K)	mg/L	2	12	12	2	2.2	2.02	0.06
SC (UMHOS/CM AT 25 C)	umhos/cm	1370	12	12	1280	1430	1,376.67	41.19
SELENIUM (SE)	mg/L	-	0	0	-	0	-	41.19
SODIUM (NA)	mg/L	343	12	12	325	343	336.17	5.37
SODIUM ADSORPTION RATIO	unitless	45.4	12	12	37.7	46.1	43.75	2.28
SULFATE (SO4)	mg/L	-	0	0	-	0	-	2.28
TDS (MEASURED AT 180 C)	mg/L	813	12	12	746	844	810.00	27.77
TOTAL ALKALINITY AS CACO3	mg/L	710	12	12	630	730	695.83	26.78
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.5	0.5	0.50	26.78
VANADIUM (V)	mg/L	-	0	0	-	0	-	26.78
ZINC (ZN)	mg/L	-	0	0	-	0	-	26.78

TABLE 5: SUMMARY OF STATISTICS
B11-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B11-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.136	6	6	0.062	8.9	1.58	3.58
ARSENIC (AS)	mg/L	-	0	0	-	0	-	3.58
BARIUM (BA)	mg/L	0.113	11	11	0.088	29.6	2.79	8.89
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	8.89
BICARBONATE ALKALINITY AS HCO3	mg/L	730	11	11	630	730	699.09	30.15
BORON (B)	mg/L	0.12	11	11	0.12	0.14	0.13	0.007
CADMIUM (CD)	mg/L	-	2	2	0.00009	0.00014	0.00012	0.007
CALCIUM (CA)	mg/L	1	11	11	1	8	1.64	2.11
CARBONATE AS CO3	mg/L	21	11	11	18	35	27.45	5.22
CHLORIDE (CL)	mg/L	9	11	11	7	9	8.00	0.89
CHROMIUM (CR)	mg/L	-	1	1	0.008	0.008	0.008	0.89
COPPER (CU)	mg/L	-	1	1	0.007	0.007	0.007	0.89
FLUORIDE (F)	mg/L	1.5	11	11	1.3	3.8	1.76	0.70
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.70
IRON (FE)	mg/L	0.08	10	10	0.05	6.03	0.67	1.89
LEAD (PB)	mg/L	-	1	1	0.0068	0.0068	0.007	1.89
MAGNESIUM (MG)	mg/L	-	1	1	3	3	3.00	1.89
MANGANESE (MN)	mg/L	0.012	11	11	0.011	0.094	0.02	0.02
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.02
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.02
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.02
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.02
pH - LAB	s.u.	8.4	11	11	8	8.6	8.32	0.17
PHOSPHORUS (P)	mg/L	-	1	1	0.271	0.271	0.27	0.17
POTASSIUM (K)	mg/L	1	11	11	1	3	1.18	0.60
SC (UMHOS/CM AT 25 C)	umhos/cm	1100	11	11	1020	1160	1,096.36	39.82
SELENIUM (SE)	mg/L	-	0	0	-	0	-	39.82
SODIUM (NA)	mg/L	274	11	11	263	292	277.18	8.26
SODIUM ADSORPTION RATIO	unitless	55.9	11	11	21.6	55.9	48.89	9.24
SULFATE (SO4)	mg/L	3	11	11	3	28	6.91	7.33
TDS (MEASURED AT 180 C)	mg/L	666	11	11	605	816	671.45	53.66
TOTAL ALKALINITY AS CACO3	mg/L	630	11	11	560	640	617.27	26.49
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.53	0.53	0.53	26.49
VANADIUM (V)	mg/L	-	0	0	-	0	-	26.49
ZINC (ZN)	mg/L	-	1	1	0.03	0.03	0.03	26.49

TABLE 5: SUMMARY OF STATISTICS
B11-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B11-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.031	4	4	0.031	412	104.32	205.13
ARSENIC (AS)	mg/L	-	1	1	0.132	0.132	0.13	205.13
BARIUM (BA)	mg/L	0.026	11	11	0.019	8.17	0.78	2.45
BERYLLIUM (BE)	mg/L	-	1	1	0.042	0.042	0.04	2.45
BICARBONATE ALKALINITY AS HCO3	mg/L	880	11	11	760	960	870.00	56.04
BORON (B)	mg/L	0.19	11	11	0.19	0.8	0.26	0.18
CADMIUM (CD)	mg/L	-	2	2	0.00004	0.0068	0.003	0.18
CALCIUM (CA)	mg/L	62	11	11	62	342	98.64	80.93
CARBONATE AS CO3	mg/L	-	4	4	11	14	12.75	1.26
CHLORIDE (CL)	mg/L	18	10	10	13	21	16.80	2.74
CHROMIUM (CR)	mg/L	-	3	3	0.002	0.375	0.13	0.21
COPPER (CU)	mg/L	-	3	3	0.003	0.5	0.17	0.28
FLUORIDE (F)	mg/L	0.9	11	11	0.8	2.4	1.08	0.46
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.46
IRON (FE)	mg/L	0.04	6	6	0.04	347	58.55	141.32
LEAD (PB)	mg/L	-	3	3	0.0015	0.536	0.18	0.31
MAGNESIUM (MG)	mg/L	36	11	11	33	190	52.73	45.60
MANGANESE (MN)	mg/L	0.138	11	11	0.138	6.62	0.77	1.94
MERCURY (HG)	mg/L	-	1	1	0.000007	0.000007	0.000007	1.94
MOLYBDENUM (MO)	mg/L	-	3	3	0.006	0.129	0.05	0.07
NICKEL (NI)	mg/L	0.006	6	6	0.006	0.33	0.07	0.13
NITRATE + NITRITE AS N	mg/L	0.57	9	9	0.03	1.02	0.52	0.36
pH - LAB	s.u.	7.7	11	11	7.6	8.3	7.79	0.23
PHOSPHORUS (P)	mg/L	-	1	1	3.51	3.51	3.51	0.23
POTASSIUM (K)	mg/L	11	11	11	10	100	19.64	26.67
SC (UMHOS/CM AT 25 C)	umhos/cm	7500	11	11	6510	7810	7,454.55	363.66
SELENIUM (SE)	mg/L	-	3	3	0.001	0.04	0.01	0.02
SODIUM (NA)	mg/L	1790	11	11	1610	2160	1,777.27	143.39
SODIUM ADSORPTION RATIO	unitless	44.7	11	11	36.7	46.9	41.25	2.75
SULFATE (SO4)	mg/L	3700	11	11	3100	3700	3,327.27	184.88
TDS (MEASURED AT 180 C)	mg/L	7020	11	11	3860	7020	5,644.55	791.74
TOTAL ALKALINITY AS CACO3	mg/L	720	11	11	640	790	719.09	43.23
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	3.8	3.8	3.80	43.23
VANADIUM (V)	mg/L	-	1	1	0.6	0.6	0.60	43.23
ZINC (ZN)	mg/L	-	6	6	0.01	1.6	0.31	0.64

TABLE 5: SUMMARY OF STATISTICS
B11-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B11-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.011	6	6	0.011	1	0.27	0.37
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.37
BARIUM (BA)	mg/L	0.066	11	11	0.058	0.072	0.06	0.005
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.005
BICARBONATE ALKALINITY AS HCO3	mg/L	610	11	11	540	670	594.55	35.32
BORON (B)	mg/L	0.11	11	11	0.1	0.12	0.11	0.006
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.006
CALCIUM (CA)	mg/L	2	11	11	2	3	2.09	0.30
CARBONATE AS CO3	mg/L	31	10	10	26	47	34.20	6.21
CHLORIDE (CL)	mg/L	10	11	11	7	11	9.09	1.30
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.30
COPPER (CU)	mg/L	-	3	3	0.001	0.002	0.0013	0.0006
FLUORIDE (F)	mg/L	1.7	11	11	1.5	4.1	1.95	0.73
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.73
IRON (FE)	mg/L	0.02	6	6	0.02	0.48	0.13	0.17
LEAD (PB)	mg/L	-	1	1	0.0007	0.0007	0.0007	0.17
MAGNESIUM (MG)	mg/L	-	0	0	-	0	-	0.17
MANGANESE (MN)	mg/L	-	7	7	0.005	0.017	0.008	0.004
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.004
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.004
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.004
NITRATE + NITRITE AS N	mg/L	-	1	1	0.02	0.02	0.02	0.004
pH - LAB	s.u.	8.6	11	11	8.3	8.8	8.59	0.15
PHOSPHORUS (P)	mg/L	-	1	1	0.179	0.179	0.18	0.15
POTASSIUM (K)	mg/L	1	11	11	1	1	1.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	973	11	11	900	1000	959.64	30.78
SELENIUM (SE)	mg/L	-	0	0	-	0	-	30.78
SODIUM (NA)	mg/L	234	11	11	231	247	238.18	5.21
SODIUM ADSORPTION RATIO	unitless	39.3	11	11	34.1	39.3	37.38	1.32
SULFATE (SO4)	mg/L	-	1	1	2	2	2.00	1.32
TDS (MEASURED AT 180 C)	mg/L	583	11	11	508	622	573.27	33.24
TOTAL ALKALINITY AS CACO3	mg/L	550	11	11	500	560	540.00	21.45
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.38	0.38	0.38	21.45
VANADIUM (V)	mg/L	-	0	0	-	0	-	21.45
ZINC (ZN)	mg/L	-	0	0	-	0	-	21.45

TABLE 5: SUMMARY OF STATISTICS
B1-C - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B1-C	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.124	1	1	0.124	0.124	0.12	21.45
ARSENIC (AS)	mg/L	0.009	1	1	0.009	0.009	0.009	21.45
BARIUM (BA)	mg/L	0.136	1	1	0.136	0.136	0.14	21.45
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	21.45
BICARBONATE ALKALINITY AS HCO3	mg/L	550	1	1	550	550	550.00	21.45
BORON (B)	mg/L	0.5	1	1	0.5	0.5	0.50	21.45
CADMIUM (CD)	mg/L	-	0	0	-	0	-	21.45
CALCIUM (CA)	mg/L	111	1	1	111	111	111.00	21.45
CARBONATE AS CO3	mg/L	4	1	1	4	4	4.00	21.45
CHLORIDE (CL)	mg/L	8	1	1	8	8	8.00	21.45
CHROMIUM (CR)	mg/L	0.002	1	1	0.002	0.002	0.0020	21.45
COPPER (CU)	mg/L	-	0	0	-	0	-	21.45
FLUORIDE (F)	mg/L	1.1	1	1	1.1	1.1	1.10	21.45
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	21.45
IRON (FE)	mg/L	0.34	1	1	0.34	0.34	0.34	21.45
LEAD (PB)	mg/L	-	0	0	-	0	-	21.45
MAGNESIUM (MG)	mg/L	157	1	1	157	157	157.00	21.45
MANGANESE (MN)	mg/L	-	0	0	-	0	-	21.45
MERCURY (HG)	mg/L	-	0	0	-	0	-	21.45
MOLYBDENUM (MO)	mg/L	0.009	1	1	0.009	0.009	0.009	21.45
NICKEL (NI)	mg/L	-	0	0	-	0	-	21.45
NITRATE + NITRITE AS N	mg/L	1.88	1	1	1.88	1.88	1.88	21.45
pH - LAB	s.u.	8.1	1	1	8.1	8.1	8.10	21.45
POTASSIUM (K)	mg/L	18	1	1	18	18	18.00	21.45
SC (UMHOS/CM AT 25 C)	umhos/cm	2000	1	1	2000	2000	2,000.00	21.45
SELENIUM (SE)	mg/L	0.005	1	1	0.005	0.005	0.005	21.45
SODIUM (NA)	mg/L	178	1	1	178	178	178.00	21.45
SODIUM ADSORPTION RATIO	unitless	2.45	1	1	2.45	2.45	2.45	21.45
SULFATE (SO4)	mg/L	790	1	1	790	790	790.00	21.45
TDS (MEASURED AT 180 C)	mg/L	1520	1	1	1520	1520	1,520.00	21.45
TOTAL ALKALINITY AS CACO3	mg/L	460	1	1	460	460	460.00	21.45
VANADIUM (V)	mg/L	0.05	1	1	0.05	0.05	0.05	21.45
ZINC (ZN)	mg/L	-	0	0	-	0	-	21.45

TABLE 5: SUMMARY OF STATISTICS
B1-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B1-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.6	0.6	0.60	21.45
ARSENIC (AS)	mg/L	0.004	8	8	0.003	0.013	0.005	0.003
BARIUM (BA)	mg/L	0.037	11	11	0.022	0.05	0.03	0.008
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.008
BICARBONATE ALKALINITY AS HCO3	mg/L	370	11	11	310	370	347.27	19.02
BORON (B)	mg/L	1.16	11	11	1.02	1.36	1.18	0.08
CADMIUM (CD)	mg/L	-	1	1	0.00014	0.00014	0.00014	0.08
CALCIUM (CA)	mg/L	65	11	11	60	74	66.18	3.74
CARBONATE AS CO3	mg/L	-	6	6	2	23	7.17	8.06
CHLORIDE (CL)	mg/L	8	11	11	5	8	6.77	0.88
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.001	0.0010	0.88
COPPER (CU)	mg/L	-	2	2	0.001	0.002	0.0015	0.88
FLUORIDE (F)	mg/L	1.3	11	11	1.2	3.2	1.46	0.58
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.58
IRON (FE)	mg/L	0.17	11	11	0.12	1.52	0.28	0.41
LEAD (PB)	mg/L	-	1	1	0.0036	0.0036	0.004	0.41
MAGNESIUM (MG)	mg/L	106	11	11	93	106	100.27	4.05
MANGANESE (MN)	mg/L	0.028	11	11	0.023	0.404	0.06	0.11
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.11
MOLYBDENUM (MO)	mg/L	0.018	11	11	0.017	0.019	0.02	0.0006
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0006
NITRATE + NITRITE AS N	mg/L	0.57	10	10	0.09	0.62	0.40	0.19
pH - LAB	s.u.	7.7	11	11	7.5	8.2	7.79	0.19
PHOSPHORUS (P)	mg/L	-	1	1	0.014	0.014	0.01	0.19
POTASSIUM (K)	mg/L	19	11	11	18	20	19.18	0.60
SC (UMHOS/CM AT 25 C)	umhos/cm	1500	11	11	1230	1510	1,419.09	78.92
SELENIUM (SE)	mg/L	0.002	7	7	0.001	0.002	0.0016	0.0005
SODIUM (NA)	mg/L	108	11	11	95	108	100.45	4.08
SODIUM ADSORPTION RATIO	unitless	1.92	11	11	1.76	1.92	1.82	0.05
SULFATE (SO4)	mg/L	620	11	11	500	620	533.64	35.29
TDS (MEASURED AT 180 C)	mg/L	1100	11	11	808	1100	982.09	78.89
TOTAL ALKALINITY AS CACO3	mg/L	310	11	11	270	310	290.91	11.36
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	11.36
VANADIUM (V)	mg/L	-	0	0	-	0	-	11.36
ZINC (ZN)	mg/L	-	0	0	-	0	-	11.36

TABLE 5: SUMMARY OF STATISTICS
B2-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B2-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.012	0.012	0.01	11.36
ARSENIC (AS)	mg/L	-	0	0	-	0	-	11.36
BARIUM (BA)	mg/L	0.014	11	11	0.014	0.023	0.02	0.0029
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0029
BICARBONATE ALKALINITY AS HCO3	mg/L	1500	11	11	1200	1500	1,412.73	83.56
BORON (B)	mg/L	0.17	11	11	0.15	0.18	0.16	0.008
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.008
CALCIUM (CA)	mg/L	21	11	11	21	25	22.27	1.27
CARBONATE AS CO3	mg/L	-	9	9	20	58	34.78	11.40
CHLORIDE (CL)	mg/L	16	10	10	10	17	14.10	2.38
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.38
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	2.38
FLUORIDE (F)	mg/L	0.8	11	11	0.8	1.1	1.00	0.10
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.10
IRON (FE)	mg/L	0.09	11	11	0.09	0.25	0.20	0.04
LEAD (PB)	mg/L	-	0	0	-	0	-	0.04
MAGNESIUM (MG)	mg/L	8	11	11	8	9	8.45	0.52
MANGANESE (MN)	mg/L	0.028	11	11	0.028	0.082	0.04	0.02
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.02
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.02
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.02
NITRATE + NITRITE AS N	mg/L	-	1	1	0.02	0.02	0.02	0.02
pH - LAB	s.u.	7.9	11	11	7.9	8.5	8.13	0.16
POTASSIUM (K)	mg/L	5	11	11	5	6	5.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	4650	11	11	4110	4830	4,620.91	222.15
SELENIUM (SE)	mg/L	-	1	1	0.002	0.002	0.0020	222.15
SODIUM (NA)	mg/L	1170	11	11	1120	1250	1,166.36	34.43
SODIUM ADSORPTION RATIO	unitless	55.4	11	11	50.5	58.6	53.48	2.20
SULFATE (SO4)	mg/L	1500	11	11	1200	1500	1,396.36	96.67
TDS (MEASURED AT 180 C)	mg/L	3240	11	11	1950	3380	3,140.91	405.62
TOTAL ALKALINITY AS CACO3	mg/L	1200	11	11	1100	1210	1,191.82	30.60
VANADIUM (V)	mg/L	-	0	0	-	0	-	30.60
ZINC (ZN)	mg/L	-	2	2	0.01	0.01	0.01	30.60

TABLE 5: SUMMARY OF STATISTICS
B2-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B2-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.7	0.7	0.70	30.60
ARSENIC (AS)	mg/L	0.003	11	11	0.003	0.011	0.006	0.003
BARIUM (BA)	mg/L	0.07	11	11	0.051	0.07	0.06	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	710	11	11	620	720	695.91	28.00
BORON (B)	mg/L	0.14	11	11	0.12	0.15	0.14	0.009
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.009
CALCIUM (CA)	mg/L	2	11	11	2	2	2.00	0.00
CARBONATE AS CO3	mg/L	31	11	11	28	50	35.45	6.35
CHLORIDE (CL)	mg/L	38	11	11	30	38	33.73	2.00
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.00
COPPER (CU)	mg/L	-	0	0	-	0	-	2.00
FLUORIDE (F)	mg/L	1.9	11	11	1.8	2.4	2.05	0.16
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.16
IRON (FE)	mg/L	0.07	11	11	0.05	0.34	0.09	0.08
LEAD (PB)	mg/L	-	2	2	0.0009	0.0013	0.0011	0.08
MAGNESIUM (MG)	mg/L	-	0	0	-	0	-	0.08
MANGANESE (MN)	mg/L	0.021	11	11	0.021	0.044	0.03	0.008
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.008
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.008
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.008
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.008
pH - LAB	s.u.	8.5	11	11	8.2	8.7	8.45	0.14
POTASSIUM (K)	mg/L	1	11	11	1	2	1.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1170	11	11	1080	1210	1,166.36	42.02
SELENIUM (SE)	mg/L	-	0	0	-	0	-	42.02
SODIUM (NA)	mg/L	293	11	11	285	311	293.82	6.55
SODIUM ADSORPTION RATIO	unitless	47.2	11	11	43.9	48.6	45.85	1.37
SULFATE (SO4)	mg/L	-	0	0	-	0	-	1.37
TDS (MEASURED AT 180 C)	mg/L	675	11	11	625	725	688.82	33.65
TOTAL ALKALINITY AS CACO3	mg/L	630	11	11	580	650	628.91	18.79
VANADIUM (V)	mg/L	-	0	0	-	0	-	18.79
ZINC (ZN)	mg/L	-	0	0	-	0	-	18.79

TABLE 5: SUMMARY OF STATISTICS
B3-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B3-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.193	10	10	0.1	3.7	0.50	1.12
ARSENIC (AS)	mg/L	0.001	2	2	0.001	0.003	0.0020	1.12
BARIUM (BA)	mg/L	0.022	11	11	0.015	0.235	0.04	0.06
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.06
BICARBONATE ALKALINITY AS HCO3	mg/L	1100	11	11	1000	1100	1,072.73	46.71
BORON (B)	mg/L	0.62	11	11	0.56	0.72	0.63	0.04
CADMIUM (CD)	mg/L	0.00007	2	2	0.00007	0.00011	0.00009	0.04
CALCIUM (CA)	mg/L	165	11	11	142	186	164.55	12.60
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	12.60
CHLORIDE (CL)	mg/L	43	11	11	34	50	42.91	5.26
CHROMIUM (CR)	mg/L	0.002	8	8	0.002	0.021	0.008	0.006
COPPER (CU)	mg/L	0.006	11	11	0.003	0.018	0.008	0.004
FLUORIDE (F)	mg/L	0.1	10	10	0.1	0.2	0.19	0.03
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.03
IRON (FE)	mg/L	1.13	11	11	0.67	6.49	1.51	1.66
LEAD (PB)	mg/L	0.0004	3	3	0.0004	0.0071	0.0028	0.004
MAGNESIUM (MG)	mg/L	72	11	11	67	76	71.73	2.57
MANGANESE (MN)	mg/L	0.136	11	11	0.123	0.236	0.15	0.04
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.04
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.04
NICKEL (NI)	mg/L	0.002	2	2	0.002	0.004	0.0030	0.04
NITRATE + NITRITE AS N	mg/L	0.03	8	8	0.02	0.04	0.03	0.008
pH - LAB	s.u.	7.2	11	11	7.1	7.8	7.38	0.23
PHOSPHORUS (P)	mg/L	-	1	1	0.362	0.362	0.36	0.23
POTASSIUM (K)	mg/L	11	11	11	9	11	10.27	0.65
SC (UMHOS/CM AT 25 C)	umhos/cm	6550	11	11	5500	6900	6,572.73	495.52
SELENIUM (SE)	mg/L	-	0	0	-	0	-	495.52
SODIUM (NA)	mg/L	1430	11	11	1400	1460	1,434.55	23.39
SODIUM ADSORPTION RATIO	unitless	23.3	11	11	22	25.2	23.36	0.77
SULFATE (SO4)	mg/L	2900	11	11	2800	3100	2,900.00	109.54
TDS (MEASURED AT 180 C)	mg/L	5000	11	11	4540	5630	5,163.64	319.38
TOTAL ALKALINITY AS CACO3	mg/L	900	11	11	830	900	876.36	27.67
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	14	14	14.00	27.67
VANADIUM (V)	mg/L	-	0	0	-	0	-	27.67
ZINC (ZN)	mg/L	0.02	11	11	0.01	0.09	0.03	0.03

TABLE 5: SUMMARY OF STATISTICS
B3-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B3-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.483	8	8	0.077	0.7	0.26	0.23
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.23
BARIUM (BA)	mg/L	0.044	11	11	0.044	0.079	0.06	0.010
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.010
BICARBONATE ALKALINITY AS HCO3	mg/L	740	11	11	650	860	736.36	48.84
BORON (B)	mg/L	0.15	11	11	0.14	0.17	0.15	0.008
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.008
CALCIUM (CA)	mg/L	2	11	11	2	3	2.55	0.52
CARBONATE AS CO3	mg/L	35	10	10	30	42	36.70	4.14
CHLORIDE (CL)	mg/L	15	11	11	12	16	13.91	1.22
CHROMIUM (CR)	mg/L	-	1	1	0.002	0.002	0.0020	1.22
COPPER (CU)	mg/L	-	1	1	0.009	0.009	0.009	1.22
FLUORIDE (F)	mg/L	1.7	11	11	1.6	4.8	2.17	0.88
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.88
IRON (FE)	mg/L	0.23	10	10	0.05	0.59	0.15	0.16
LEAD (PB)	mg/L	0.0003	2	2	0.0003	0.001	0.0007	0.16
MAGNESIUM (MG)	mg/L	-	0	0	-	0	-	0.16
MANGANESE (MN)	mg/L	0.015	11	11	0.011	0.043	0.02	0.009
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.009
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.009
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.009
NITRATE + NITRITE AS N	mg/L	0.03	1	1	0.03	0.03	0.03	0.009
pH - LAB	s.u.	8.6	11	11	7.7	8.7	8.42	0.27
PHOSPHORUS (P)	mg/L	-	1	1	0.117	0.117	0.12	0.27
POTASSIUM (K)	mg/L	2	11	11	1	2	1.27	0.47
SC (UMHOS/CM AT 25 C)	umhos/cm	1160	11	11	1080	1210	1,164.55	40.09
SELENIUM (SE)	mg/L	-	0	0	-	0	-	40.09
SODIUM (NA)	mg/L	295	11	11	282	299	290.27	6.08
SODIUM ADSORPTION RATIO	unitless	41.5	11	11	38.2	44.1	41.05	1.54
SULFATE (SO4)	mg/L	-	5	5	2	21	6.80	8.11
TDS (MEASURED AT 180 C)	mg/L	721	11	11	626	730	692.55	29.43
TOTAL ALKALINITY AS CACO3	mg/L	670	11	11	600	700	659.09	25.08
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.51	0.51	0.51	25.08
VANADIUM (V)	mg/L	-	0	0	-	0	-	25.08
ZINC (ZN)	mg/L	-	0	0	-	0	-	25.08

TABLE 5: SUMMARY OF STATISTICS
B4-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B4-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.014	0.014	0.01	25.08
ARSENIC (AS)	mg/L	-	0	0	-	0	-	25.08
BARIUM (BA)	mg/L	0.008	11	11	0.008	0.018	0.01	0.0028
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0028
BICARBONATE ALKALINITY AS HCO3	mg/L	1000	11	11	850	1000	942.73	49.41
BORON (B)	mg/L	0.21	11	11	0.17	0.23	0.20	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	76	11	11	72	83	75.36	3.29
CARBONATE AS CO3	mg/L	-	4	4	10	21	17.00	4.97
CHLORIDE (CL)	mg/L	14	11	11	10	17	14.00	2.24
CHROMIUM (CR)	mg/L	-	1	1	0.001	0.001	0.0010	2.24
COPPER (CU)	mg/L	-	1	1	0.002	0.002	0.0020	2.24
FLUORIDE (F)	mg/L	0.4	11	11	0.4	0.5	0.41	0.03
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.03
IRON (FE)	mg/L	0.23	11	11	0.15	0.66	0.40	0.16
LEAD (PB)	mg/L	-	0	0	-	0	-	0.16
MAGNESIUM (MG)	mg/L	39	11	11	36	71	41.64	10.12
MANGANESE (MN)	mg/L	0.045	11	11	0.045	0.128	0.08	0.03
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.03
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.03
NICKEL (NI)	mg/L	-	1	1	0.003	0.003	0.0030	0.03
NITRATE + NITRITE AS N	mg/L	-	1	1	0.04	0.04	0.04	0.03
pH - LAB	s.u.	7.8	11	11	7.5	8.3	7.85	0.19
PHOSPHORUS (P)	mg/L	-	1	1	0.006	0.006	0.006	0.19
POTASSIUM (K)	mg/L	8	11	11	8	8	8.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	5010	11	11	4220	5430	5,085.45	340.42
SELENIUM (SE)	mg/L	-	0	0	-	0	-	340.42
SODIUM (NA)	mg/L	1140	11	11	1060	1160	1,125.45	33.87
SODIUM ADSORPTION RATIO	unitless	26.4	11	11	20.2	27.7	25.95	2.01
SULFATE (SO4)	mg/L	2000	11	11	1900	2200	2,036.36	80.90
TDS (MEASURED AT 180 C)	mg/L	3740	11	11	3230	4010	3,639.09	218.88
TOTAL ALKALINITY AS CACO3	mg/L	820	11	11	720	840	784.55	38.30
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	1.98	1.98	1.98	38.30
VANADIUM (V)	mg/L	-	0	0	-	0	-	38.30
ZINC (ZN)	mg/L	-	1	1	0.01	0.01	0.01	38.30

TABLE 5: SUMMARY OF STATISTICS
B4-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B4-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.012	2	2	0.012	13.9	6.96	38.30
ARSENIC (AS)	mg/L	0.001	2	2	0.001	0.014	0.008	38.30
BARIUM (BA)	mg/L	0.011	11	11	0.011	0.256	0.04	0.07
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.07
BICARBONATE ALKALINITY AS HCO3	mg/L	1400	11	11	1200	1400	1,354.55	68.76
BORON (B)	mg/L	0.16	11	11	0.13	0.18	0.16	0.01
CADMIUM (CD)	mg/L	-	1	1	0.0007	0.0007	0.0007	0.01
CALCIUM (CA)	mg/L	148	11	11	148	207	157.64	16.94
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	16.94
CHLORIDE (CL)	mg/L	15	11	11	12	19	16.91	2.17
CHROMIUM (CR)	mg/L	-	2	2	0.002	0.037	0.02	2.17
COPPER (CU)	mg/L	-	2	2	0.001	0.111	0.06	2.17
FLUORIDE (F)	mg/L	0.2	11	11	0.2	0.4	0.22	0.06
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.06
IRON (FE)	mg/L	0.17	6	6	0.17	30.2	5.57	12.07
LEAD (PB)	mg/L	-	1	1	0.0255	0.0255	0.03	12.07
MAGNESIUM (MG)	mg/L	390	11	11	374	428	404.27	16.48
MANGANESE (MN)	mg/L	0.047	11	11	0.044	1.4	0.23	0.40
MERCURY (HG)	mg/L	-	1	1	0.00008	0.00008	0.00008	0.40
MOLYBDENUM (MO)	mg/L	-	1	1	0.006	0.006	0.006	0.40
NICKEL (NI)	mg/L	-	4	4	0.004	0.04	0.02	0.02
NITRATE + NITRITE AS N	mg/L	0.03	8	8	0.01	0.18	0.04	0.06
pH - LAB	s.u.	7	11	11	6.9	8	7.17	0.37
PHOSPHORUS (P)	mg/L	-	1	1	0.448	0.448	0.45	0.37
POTASSIUM (K)	mg/L	10	11	11	10	16	10.82	1.78
SC (UMHOS/CM AT 25 C)	umhos/cm	4250	11	11	3560	4440	4,242.73	296.11
SELENIUM (SE)	mg/L	-	0	0	-	0	-	296.11
SODIUM (NA)	mg/L	425	11	11	402	426	413.27	7.91
SODIUM ADSORPTION RATIO	unitless	4.16	11	11	3.83	4.16	3.98	0.11
SULFATE (SO4)	mg/L	1800	11	11	1700	1900	1,763.64	67.42
TDS (MEASURED AT 180 C)	mg/L	3050	11	11	1330	3710	3,273.64	681.59
TOTAL ALKALINITY AS CACO3	mg/L	1100	11	11	1000	1100	1,081.82	40.45
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.88	0.88	0.88	40.45
VANADIUM (V)	mg/L	-	0	0	-	0	-	40.45
ZINC (ZN)	mg/L	0.011	7	7	0.01	0.16	0.04	0.05

TABLE 5: SUMMARY OF STATISTICS
B4-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B4-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.28	11	11	0.1	0.7	0.39	0.21
ARSENIC (AS)	mg/L	-	1	1	0.004	0.004	0.004	0.21
BARIUM (BA)	mg/L	0.016	11	11	0.014	0.027	0.02	0.004
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.004
BICARBONATE ALKALINITY AS HCO3	mg/L	790	11	11	680	870	787.27	50.42
BORON (B)	mg/L	0.13	11	11	0.13	0.15	0.14	0.008
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.008
CALCIUM (CA)	mg/L	6	11	11	6	8	6.64	0.67
CARBONATE AS CO3	mg/L	28	9	9	22	37	30.33	5.02
CHLORIDE (CL)	mg/L	20	11	11	16	21	18.45	1.51
CHROMIUM (CR)	mg/L	-	3	3	0.001	0.002	0.0017	0.0006
COPPER (CU)	mg/L	-	8	8	0.001	0.012	0.003	0.004
FLUORIDE (F)	mg/L	1	11	11	1	1.2	1.10	0.08
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.08
IRON (FE)	mg/L	0.11	10	10	0.05	0.36	0.19	0.09
LEAD (PB)	mg/L	-	2	2	0.0006	0.0006	0.0006	0.09
MAGNESIUM (MG)	mg/L	2	11	11	2	3	2.09	0.30
MANGANESE (MN)	mg/L	0.015	11	11	0.014	0.057	0.02	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	1	1	0.007	0.007	0.007	0.01
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.01
NITRATE + NITRITE AS N	mg/L	-	2	2	0.03	0.04	0.04	0.01
pH - LAB	s.u.	8.3	11	11	8.1	8.6	8.30	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.077	0.077	0.08	0.13
POTASSIUM (K)	mg/L	2	11	11	2	3	2.45	0.52
SC (UMHOS/CM AT 25 C)	umhos/cm	2180	11	11	1940	2250	2,165.45	104.15
SELENIUM (SE)	mg/L	-	0	0	-	0	-	104.15
SODIUM (NA)	mg/L	530	11	11	495	530	511.45	9.68
SODIUM ADSORPTION RATIO	unitless	47.5	11	11	39.9	47.5	44.15	1.80
SULFATE (SO4)	mg/L	490	11	11	430	520	471.82	29.26
TDS (MEASURED AT 180 C)	mg/L	1400	11	11	1330	1520	1,408.18	67.94
TOTAL ALKALINITY AS CACO3	mg/L	690	11	11	620	710	685.45	25.83
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.79	0.79	0.79	25.83
VANADIUM (V)	mg/L	-	0	0	-	0	-	25.83
ZINC (ZN)	mg/L	-	1	1	0.06	0.06	0.06	25.83

TABLE 5: SUMMARY OF STATISTICS
B5-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B5-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	27-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.173	10	10	0.1	7.8	1.03	2.38
ARSENIC (AS)	mg/L	-	0	0	-	0	-	2.38
BARIUM (BA)	mg/L	0.092	11	11	0.072	0.192	0.10	0.03
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.03
BICARBONATE ALKALINITY AS HCO3	mg/L	880	11	11	790	910	852.73	37.17
BORON (B)	mg/L	0.16	11	11	0.15	0.18	0.16	0.01
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.01
CALCIUM (CA)	mg/L	2	11	11	2	3	2.09	0.30
CARBONATE AS CO3	mg/L	29	11	11	17	57	33.27	10.20
CHLORIDE (CL)	mg/L	12	11	11	10	19	13.00	2.41
CHROMIUM (CR)	mg/L	-	3	3	0.001	0.007	0.003	0.003
COPPER (CU)	mg/L	-	2	2	0.001	0.008	0.005	0.003
FLUORIDE (F)	mg/L	1.6	11	11	1.5	2	1.79	0.19
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.19
IRON (FE)	mg/L	0.06	11	11	0.06	3.64	0.42	1.07
LEAD (PB)	mg/L	-	1	1	0.0059	0.0059	0.006	1.07
MAGNESIUM (MG)	mg/L	-	1	1	3	3	3.00	1.07
MANGANESE (MN)	mg/L	0.01	11	11	0.01	0.051	0.02	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.01
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.01
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.01
pH - LAB	s.u.	8.2	11	11	7.9	8.5	8.22	0.16
PHOSPHORUS (P)	mg/L	-	1	1	0.171	0.171	0.17	0.16
POTASSIUM (K)	mg/L	2	11	11	2	3	2.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1300	11	11	1200	1380	1,311.82	59.97
SELENIUM (SE)	mg/L	-	0	0	-	0	-	59.97
SODIUM (NA)	mg/L	334	11	11	312	362	334.18	13.56
SODIUM ADSORPTION RATIO	unitless	52.8	11	11	31.6	55.2	50.95	6.53
SULFATE (SO4)	mg/L	-	0	0	-	0	-	6.53
TDS (MEASURED AT 180 C)	mg/L	767	11	11	740	826	788.45	30.49
TOTAL ALKALINITY AS CACO3	mg/L	770	11	11	700	800	752.73	34.67
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.28	0.28	0.28	34.67
VANADIUM (V)	mg/L	-	0	0	-	0	-	34.67
ZINC (ZN)	mg/L	-	0	0	-	0	-	34.67

TABLE 5: SUMMARY OF STATISTICS
B5-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B5-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	27-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	16	8	8	0.2	144	22.16	49.68
ARSENIC (AS)	mg/L	0.006	3	3	0.004	0.044	0.02	0.02
BARIUM (BA)	mg/L	0.254	10	10	0.031	2.31	0.30	0.71
BERYLLIUM (BE)	mg/L	0.0016	3	3	0.001	0.019	0.007	0.01
BICARBONATE ALKALINITY AS HCO3	mg/L	1200	10	10	930	1200	1,051.00	90.98
BORON (B)	mg/L	0.22	10	10	0.16	0.29	0.19	0.04
CADMIUM (CD)	mg/L	0.0004	3	3	0.00029	0.004	0.0016	0.0021
CALCIUM (CA)	mg/L	12	10	10	4	101	16.90	29.64
CARBONATE AS CO3	mg/L	22	10	10	10	36	20.10	7.32
CHLORIDE (CL)	mg/L	50	10	10	36	50	44.50	4.77
CHROMIUM (CR)	mg/L	0.031	5	5	0.001	0.263	0.06	0.11
COPPER (CU)	mg/L	0.031	5	5	0.001	0.37	0.09	0.16
FLUORIDE (F)	mg/L	3.3	10	10	3.1	4.2	3.86	0.37
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.37
IRON (FE)	mg/L	22.2	10	10	0.07	206	24.53	64.25
LEAD (PB)	mg/L	0.0207	4	4	0.0007	0.18	0.05	0.08
MAGNESIUM (MG)	mg/L	8	10	10	2	66	10.00	19.77
MANGANESE (MN)	mg/L	0.469	10	10	0.076	5.66	0.74	1.73
MERCURY (HG)	mg/L	0.000039	1	1	0.000039	0.000039	0.00004	1.73
MOLYBDENUM (MO)	mg/L	-	3	3	0.009	0.032	0.02	0.01
NICKEL (NI)	mg/L	0.03	3	3	0.02	0.25	0.10	0.13
NITRATE + NITRITE AS N	mg/L	0.07	7	7	0.03	1.62	0.44	0.58
pH - LAB	s.u.	7.9	10	10	7.6	8.4	7.97	0.28
PHOSPHORUS (P)	mg/L	-	1	1	0.96	0.96	0.96	0.28
POTASSIUM (K)	mg/L	9	10	10	3	58	9.70	17.09
SC (UMHOS/CM AT 25 C)	umhos/cm	2440	10	10	2100	2560	2,383.00	133.59
SELENIUM (SE)	mg/L	-	2	2	0.002	0.002	0.0020	133.59
SODIUM (NA)	mg/L	605	10	10	527	605	570.60	25.42
SODIUM ADSORPTION RATIO	unitless	33.4	10	10	33.4	53	44.41	5.68
SULFATE (SO4)	mg/L	360	10	10	310	380	348.00	22.51
TDS (MEASURED AT 180 C)	mg/L	1730	10	10	1310	2030	1,625.00	221.22
TOTAL ALKALINITY AS CACO3	mg/L	980	10	10	790	980	892.00	70.68
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	1.76	1.76	1.76	70.68
VANADIUM (V)	mg/L	0.04	2	2	0.04	0.3	0.17	70.68
ZINC (ZN)	mg/L	0.12	4	4	0.05	0.92	0.30	0.42

TABLE 5: SUMMARY OF STATISTICS
B5-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B5-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	27-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.6	0.6	0.60	0.42
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.42
BARIUM (BA)	mg/L	0.076	11	11	0.068	0.08	0.07	0.003
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.003
BICARBONATE ALKALINITY AS HCO3	mg/L	640	11	11	560	640	623.64	22.92
BORON (B)	mg/L	0.18	11	11	0.15	0.18	0.17	0.009
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.009
CALCIUM (CA)	mg/L	2	11	11	2	2	2.00	0.00
CARBONATE AS CO3	mg/L	33	11	11	25	46	35.09	5.96
CHLORIDE (CL)	mg/L	27	11	11	23	29	25.64	2.01
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.01
COPPER (CU)	mg/L	-	0	0	-	0	-	2.01
FLUORIDE (F)	mg/L	1.9	11	11	1.8	2.1	1.96	0.08
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.08
IRON (FE)	mg/L	-	2	2	0.02	0.29	0.16	0.08
LEAD (PB)	mg/L	-	1	1	0.0006	0.0006	0.0006	0.08
MAGNESIUM (MG)	mg/L	-	0	0	-	0	-	0.08
MANGANESE (MN)	mg/L	0.01	11	11	0.007	0.011	0.009	0.0013
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.0013
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.0013
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0013
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.0013
pH - LAB	s.u.	8.6	11	11	8.1	8.8	8.54	0.19
PHOSPHORUS (P)	mg/L	-	1	1	0.105	0.105	0.11	0.19
POTASSIUM (K)	mg/L	1	11	11	1	2	1.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1060	11	11	1010	1100	1,066.36	29.08
SELENIUM (SE)	mg/L	-	0	0	-	0	-	29.08
SODIUM (NA)	mg/L	276	11	11	254	278	264.36	7.90
SODIUM ADSORPTION RATIO	unitless	46.8	11	11	43.3	49.1	45.58	1.69
SULFATE (SO4)	mg/L	-	0	0	-	0	-	1.69
TDS (MEASURED AT 180 C)	mg/L	613	11	11	574	650	621.55	21.29
TOTAL ALKALINITY AS CACO3	mg/L	580	11	11	520	590	570.00	18.44
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.38	0.38	0.38	18.44
VANADIUM (V)	mg/L	-	0	0	-	0	-	18.44
ZINC (ZN)	mg/L	-	0	0	-	0	-	18.44

TABLE 5: SUMMARY OF STATISTICS
B6-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B6-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.6	0.6	0.60	18.44
ARSENIC (AS)	mg/L	-	0	0	-	0	-	18.44
BARIUM (BA)	mg/L	0.103	11	11	0.095	0.129	0.10	0.009
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.009
BICARBONATE ALKALINITY AS HCO3	mg/L	990	11	11	860	1000	967.55	42.00
BORON (B)	mg/L	0.14	11	11	0.11	0.14	0.13	0.009
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.009
CALCIUM (CA)	mg/L	3	11	11	2	4	2.91	0.54
CARBONATE AS CO3	mg/L	34	11	11	23	61	36.64	10.23
CHLORIDE (CL)	mg/L	8	11	11	5	9	7.27	1.10
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.004	0.0025	1.10
COPPER (CU)	mg/L	-	1	1	0.003	0.003	0.0030	1.10
FLUORIDE (F)	mg/L	0.9	10	10	0.8	1	0.93	0.07
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.07
IRON (FE)	mg/L	0.02	4	4	0.02	0.71	0.21	0.34
LEAD (PB)	mg/L	-	1	1	0.0008	0.0008	0.0008	0.34
MAGNESIUM (MG)	mg/L	1	5	5	1	1	1.00	0.00
MANGANESE (MN)	mg/L	-	3	3	0.005	0.022	0.01	0.010
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.010
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.010
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.010
NITRATE + NITRITE AS N	mg/L	-	1	1	0.11	0.11	0.11	0.010
pH - LAB	s.u.	8.1	11	11	7.8	8.6	8.23	0.21
PHOSPHORUS (P)	mg/L	-	1	1	0.152	0.152	0.15	0.21
POTASSIUM (K)	mg/L	2	11	11	2	2	2.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	1500	11	11	1340	1520	1,465.45	67.73
SELENIUM (SE)	mg/L	-	0	0	-	0	-	67.73
SODIUM (NA)	mg/L	384	11	11	366	395	381.45	9.73
SODIUM ADSORPTION RATIO	unitless	50.5	11	11	44.7	53.6	50.36	2.33
SULFATE (SO4)	mg/L	29	11	11	4	34	16.55	11.16
TDS (MEASURED AT 180 C)	mg/L	917	11	11	721	964	894.00	65.27
TOTAL ALKALINITY AS CACO3	mg/L	870	11	11	780	880	853.64	26.56
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.76	0.76	0.76	26.56
VANADIUM (V)	mg/L	-	0	0	-	0	-	26.56
ZINC (ZN)	mg/L	-	0	0	-	0	-	26.56

TABLE 5: SUMMARY OF STATISTICS
B6-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B6-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.369	9	9	0.1	19.3	2.39	6.34
ARSENIC (AS)	mg/L	0.001	3	3	0.001	0.015	0.006	0.008
BARIUM (BA)	mg/L	0.019	11	11	0.013	0.516	0.06	0.15
BERYLLIUM (BE)	mg/L	-	1	1	0.002	0.002	0.0020	0.15
BICARBONATE ALKALINITY AS HCO3	mg/L	1500	11	11	1300	1600	1,487.27	90.45
BORON (B)	mg/L	0.25	11	11	0.21	0.27	0.24	0.02
CADMIUM (CD)	mg/L	-	1	1	0.0009	0.0009	0.0009	0.02
CALCIUM (CA)	mg/L	28	11	11	25	61	30.45	10.55
CARBONATE AS CO3	mg/L	23	11	11	10	60	33.64	15.91
CHLORIDE (CL)	mg/L	14	11	11	11	18	14.82	2.14
CHROMIUM (CR)	mg/L	0.002	9	9	0.001	0.081	0.01	0.03
COPPER (CU)	mg/L	-	7	7	0.002	0.114	0.02	0.04
FLUORIDE (F)	mg/L	1.2	11	11	1.2	1.4	1.30	0.06
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.06
IRON (FE)	mg/L	0.19	10	10	0.06	56.3	5.76	17.76
LEAD (PB)	mg/L	-	3	3	0.0004	0.0332	0.01	0.02
MAGNESIUM (MG)	mg/L	15	11	11	13	31	15.91	5.80
MANGANESE (MN)	mg/L	0.053	11	11	0.053	1.43	0.22	0.40
MERCURY (HG)	mg/L	-	1	1	0.00009	0.00009	0.00009	0.40
MOLYBDENUM (MO)	mg/L	-	1	1	0.006	0.006	0.006	0.40
NICKEL (NI)	mg/L	0.002	2	2	0.002	0.07	0.04	0.40
NITRATE + NITRITE AS N	mg/L	-	4	4	0.02	0.04	0.03	0.008
pH - LAB	s.u.	7.9	11	11	7.3	8.4	8.03	0.28
PHOSPHORUS (P)	mg/L	-	1	1	1.64	1.64	1.64	0.28
POTASSIUM (K)	mg/L	6	11	11	6	15	7.36	2.58
SC (UMHOS/CM AT 25 C)	umhos/cm	5120	11	11	4550	5420	5,152.73	304.57
SELENIUM (SE)	mg/L	-	1	1	0.004	0.004	0.004	304.57
SODIUM (NA)	mg/L	1300	11	11	1170	1380	1,251.82	59.97
SODIUM ADSORPTION RATIO	unitless	49.6	11	11	38.7	53.5	48.59	3.70
SULFATE (SO4)	mg/L	1600	11	11	1500	1810	1,610.00	85.44
TDS (MEASURED AT 180 C)	mg/L	3490	11	11	1570	3920	3,472.73	659.58
TOTAL ALKALINITY AS CACO3	mg/L	1300	11	11	1200	1300	1,290.00	30.00
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	2.1	2.1	2.10	30.00
VANADIUM (V)	mg/L	-	0	0	-	0	-	30.00
ZINC (ZN)	mg/L	-	4	4	0.02	0.26	0.11	0.11

TABLE 5: SUMMARY OF STATISTICS
B6-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B6-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	26-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	1.75	9	9	0.2	6.2	1.15	1.95
ARSENIC (AS)	mg/L	-	0	0	-	0	-	1.95
BARIUM (BA)	mg/L	0.017	11	11	0.017	0.208	0.04	0.06
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.06
BICARBONATE ALKALINITY AS HCO3	mg/L	590	11	11	530	610	585.36	21.18
BORON (B)	mg/L	0.13	11	11	0.11	0.13	0.12	0.007
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.007
CALCIUM (CA)	mg/L	1	11	11	1	5	1.91	1.14
CARBONATE AS CO3	mg/L	34	11	11	26	42	33.45	4.55
CHLORIDE (CL)	mg/L	11	11	11	9	12	10.55	0.82
CHROMIUM (CR)	mg/L	0.001	2	2	0.001	0.001	0.0010	0.82
COPPER (CU)	mg/L	-	1	1	0.004	0.004	0.004	0.82
FLUORIDE (F)	mg/L	1.7	11	11	1.7	2.2	1.99	0.15
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.15
IRON (FE)	mg/L	0.41	10	10	0.08	3.14	0.45	0.95
LEAD (PB)	mg/L	0.0018	3	3	0.0004	0.0091	0.004	0.005
MAGNESIUM (MG)	mg/L	-	1	1	2	2	2.00	0.005
MANGANESE (MN)	mg/L	0.006	7	7	0.005	0.046	0.01	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.01
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.01
NITRATE + NITRITE AS N	mg/L	0.02	1	1	0.02	0.02	0.02	0.01
pH - LAB	s.u.	8.7	11	11	5.6	8.8	8.32	0.91
PHOSPHORUS (P)	mg/L	-	1	1	0.251	0.251	0.25	0.91
POTASSIUM (K)	mg/L	1	10	10	1	2	1.10	0.32
SC (UMHOS/CM AT 25 C)	umhos/cm	963	11	11	864	977	952.00	36.15
SELENIUM (SE)	mg/L	-	0	0	-	0	-	36.15
SODIUM (NA)	mg/L	243	11	11	234	248	240.73	4.43
SODIUM ADSORPTION RATIO	unitless	44.8	11	11	41.9	47.5	44.69	1.47
SULFATE (SO4)	mg/L	-	0	0	-	0	-	1.47
TDS (MEASURED AT 180 C)	mg/L	570	11	11	450	654	576.00	55.55
TOTAL ALKALINITY AS CACO3	mg/L	540	11	11	490	560	536.09	18.87
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.46	0.46	0.46	18.87
VANADIUM (V)	mg/L	-	0	0	-	0	-	18.87
ZINC (ZN)	mg/L	-	0	0	-	0	-	18.87

TABLE 5: SUMMARY OF STATISTICS
B7-KL - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B7-KL	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.172	10	10	0.1	3.06	0.55	0.90
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.90
BARIUM (BA)	mg/L	0.013	11	11	0.012	0.036	0.02	0.007
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.007
BICARBONATE ALKALINITY AS HCO3	mg/L	380	11	11	330	410	375.00	19.62
BORON (B)	mg/L	0.1	11	11	0.09	0.11	0.10	0.008
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.008
CALCIUM (CA)	mg/L	3	11	11	3	4	3.27	0.47
CARBONATE AS CO3	mg/L	15	11	11	5	23	17.00	5.10
CHLORIDE (CL)	mg/L	9	11	11	6	9	7.73	1.10
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.10
COPPER (CU)	mg/L	-	0	0	-	0	-	1.10
FLUORIDE (F)	mg/L	1	11	11	0.9	1	0.96	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	0.08	11	11	0.05	0.9	0.18	0.25
LEAD (PB)	mg/L	-	1	1	0.0006	0.0006	0.0006	0.25
MAGNESIUM (MG)	mg/L	-	2	2	1	1	1.00	0.25
MANGANESE (MN)	mg/L	0.007	11	11	0.006	0.022	0.010	0.004
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.004
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.004
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.004
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.004
pH - LAB	s.u.	8.5	11	11	8.4	8.7	8.52	0.10
PHOSPHORUS (P)	mg/L	-	1	1	0.065	0.065	0.07	0.10
POTASSIUM (K)	mg/L	2	11	11	2	2	2.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	1520	11	11	999	1580	1,480.82	164.70
SELENIUM (SE)	mg/L	-	0	0	-	0	-	164.70
SODIUM (NA)	mg/L	337	11	11	328	376	344.73	13.61
SODIUM ADSORPTION RATIO	unitless	45.6	11	11	40.4	47.6	43.79	1.98
SULFATE (SO4)	mg/L	450	11	11	390	450	424.64	15.76
TDS (MEASURED AT 180 C)	mg/L	955	11	11	845	1070	959.55	57.18
TOTAL ALKALINITY AS CACO3	mg/L	340	11	11	310	350	338.00	11.83
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.53	0.53	0.53	11.83
VANADIUM (V)	mg/L	-	0	0	-	0	-	11.83
ZINC (ZN)	mg/L	-	0	0	-	0	-	11.83

TABLE 5: SUMMARY OF STATISTICS
B7-KU - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B7-KU	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.048	9	9	0.017	20.2	2.49	6.65
ARSENIC (AS)	mg/L	-	1	1	0.004	0.004	0.004	6.65
BARIUM (BA)	mg/L	0.066	11	11	0.039	2.9	0.31	0.86
BERYLLIUM (BE)	mg/L	-	1	1	0.002	0.002	0.0020	0.86
BICARBONATE ALKALINITY AS HCO3	mg/L	970	11	11	860	1030	969.09	47.00
BORON (B)	mg/L	0.12	11	11	0.1	0.2	0.13	0.03
CADMIUM (CD)	mg/L	-	1	1	0.00026	0.00026	0.00026	0.03
CALCIUM (CA)	mg/L	3	11	11	3	27	6.36	6.93
CARBONATE AS CO3	mg/L	26	11	11	26	52	36.91	9.71
CHLORIDE (CL)	mg/L	12	11	11	10	13	11.45	1.13
CHROMIUM (CR)	mg/L	-	2	2	0.002	0.009	0.006	1.13
COPPER (CU)	mg/L	-	1	1	0.016	0.016	0.02	1.13
FLUORIDE (F)	mg/L	2.4	11	11	1.3	2.4	2.08	0.31
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.31
IRON (FE)	mg/L	0.07	10	10	0.04	9.66	1.08	3.02
LEAD (PB)	mg/L	-	3	3	0.0006	0.0341	0.01	0.02
MAGNESIUM (MG)	mg/L	-	10	10	1	11	2.10	3.14
MANGANESE (MN)	mg/L	0.017	11	11	0.006	0.105	0.02	0.03
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.03
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.03
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.03
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.03
pH - LAB	s.u.	8.4	11	11	8.2	8.6	8.34	0.11
PHOSPHORUS (P)	mg/L	-	1	1	0.386	0.386	0.39	0.11
POTASSIUM (K)	mg/L	2	11	11	2	9	2.82	2.09
SC (UMHOS/CM AT 25 C)	umhos/cm	1590	11	11	1570	3410	1,894.55	521.87
SELENIUM (SE)	mg/L	-	1	1	0.001	0.001	0.0010	521.87
SODIUM (NA)	mg/L	397	11	11	397	882	476.18	139.66
SODIUM ADSORPTION RATIO	unitless	50.1	11	11	44.4	52.4	48.35	2.07
SULFATE (SO4)	mg/L	79	11	11	76	1000	193.82	271.85
TDS (MEASURED AT 180 C)	mg/L	986	11	11	913	2550	1,219.00	461.05
TOTAL ALKALINITY AS CACO3	mg/L	840	11	11	780	900	861.00	38.41
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.9	0.9	0.90	38.41
VANADIUM (V)	mg/L	-	0	0	-	0	-	38.41
ZINC (ZN)	mg/L	-	1	1	0.06	0.06	0.06	38.41

TABLE 5: SUMMARY OF STATISTICS
B7-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B7-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.043	9	9	0.043	0.5	0.22	0.16
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.16
BARIUM (BA)	mg/L	0.014	11	11	0.012	0.035	0.02	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	1100	11	11	930	1100	1,050.91	62.68
BORON (B)	mg/L	0.16	11	11	0.15	0.19	0.16	0.01
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.01
CALCIUM (CA)	mg/L	20	11	11	20	26	21.82	1.66
CARBONATE AS CO3	mg/L	10	11	11	9	39	22.36	11.61
CHLORIDE (CL)	mg/L	13	11	11	9	14	11.64	1.69
CHROMIUM (CR)	mg/L	-	1	1	0.002	0.002	0.0020	1.69
COPPER (CU)	mg/L	-	0	0	-	0	-	1.69
FLUORIDE (F)	mg/L	1.1	11	11	0.9	5.2	1.39	1.27
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	1.27
IRON (FE)	mg/L	0.14	11	11	0.05	0.41	0.15	0.09
LEAD (PB)	mg/L	-	1	1	0.0008	0.0008	0.0008	0.09
MAGNESIUM (MG)	mg/L	9	11	11	9	10	9.82	0.40
MANGANESE (MN)	mg/L	0.047	11	11	0.042	0.124	0.07	0.02
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.02
MOLYBDENUM (MO)	mg/L	-	1	1	0.005	0.005	0.005	0.02
NICKEL (NI)	mg/L	-	1	1	0.01	0.01	0.01	0.02
NITRATE + NITRITE AS N	mg/L	-	1	1	0.01	0.01	0.01	0.02
pH - LAB	s.u.	8.1	11	11	8	8.5	8.18	0.15
PHOSPHORUS (P)	mg/L	-	1	1	0.044	0.044	0.04	0.15
POTASSIUM (K)	mg/L	6	11	11	6	7	6.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	4910	11	11	4500	5060	4,860.91	187.00
SELENIUM (SE)	mg/L	-	1	1	0.001	0.001	0.0010	187.00
SODIUM (NA)	mg/L	1150	11	11	1090	1260	1,164.55	54.66
SODIUM ADSORPTION RATIO	unitless	53.1	11	11	46.6	57.2	51.53	2.68
SULFATE (SO4)	mg/L	1900	11	11	1500	1900	1,723.64	113.78
TDS (MEASURED AT 180 C)	mg/L	3420	11	11	2890	3570	3,410.00	182.37
TOTAL ALKALINITY AS CACO3	mg/L	910	11	11	820	930	895.00	31.06
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	1.04	1.04	1.04	31.06
VANADIUM (V)	mg/L	-	0	0	-	0	-	31.06
ZINC (ZN)	mg/L	-	1	1	0.01	0.01	0.01	31.06

TABLE 5: SUMMARY OF STATISTICS
B7-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B7-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	18-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.051	7	7	0.051	0.8	0.35	0.32
ARSENIC (AS)	mg/L	-	2	2	0.003	0.008	0.006	0.32
BARIUM (BA)	mg/L	0.062	11	11	0.039	0.107	0.06	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	570	11	11	490	980	603.00	134.05
BORON (B)	mg/L	0.11	11	11	0.09	0.17	0.11	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	2	11	11	1	20	3.45	5.52
CARBONATE AS CO3	mg/L	30	10	10	21	40	33.80	5.61
CHLORIDE (CL)	mg/L	11	11	11	8	12	10.27	1.27
CHROMIUM (CR)	mg/L	-	1	1	0.002	0.002	0.0020	1.27
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	1.27
FLUORIDE (F)	mg/L	1.9	11	11	1	4.4	1.99	0.85
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.85
IRON (FE)	mg/L	0.03	8	8	0.03	0.46	0.15	0.15
LEAD (PB)	mg/L	-	1	1	0.0007	0.0007	0.0007	0.15
MAGNESIUM (MG)	mg/L	-	1	1	6	6	6.00	0.15
MANGANESE (MN)	mg/L	0.016	11	11	0.014	0.308	0.04	0.09
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.09
MOLYBDENUM (MO)	mg/L	-	2	2	0.006	0.015	0.01	0.09
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.09
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.09
pH - LAB	s.u.	8.7	11	11	8.4	8.8	8.61	0.14
PHOSPHORUS (P)	mg/L	-	1	1	0.055	0.055	0.06	0.14
POTASSIUM (K)	mg/L	1	11	11	1	4	1.27	0.90
SC (UMHOS/CM AT 25 C)	umhos/cm	936	11	11	929	4290	1,291.82	1,000.08
SELENIUM (SE)	mg/L	-	1	1	0.005	0.005	0.005	1,000.08
SODIUM (NA)	mg/L	237	11	11	227	1120	327.00	264.55
SODIUM ADSORPTION RATIO	unitless	42.9	11	11	42.9	53.7	46.16	3.27
SULFATE (SO4)	mg/L	11	11	11	9	1400	156.91	415.32
TDS (MEASURED AT 180 C)	mg/L	581	11	11	490	3130	829.18	770.34
TOTAL ALKALINITY AS CACO3	mg/L	510	11	11	470	840	546.18	100.26
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.83	0.83	0.83	100.26
VANADIUM (V)	mg/L	-	0	0	-	0	-	100.26
ZINC (ZN)	mg/L	-	0	0	-	0	-	100.26

TABLE 5: SUMMARY OF STATISTICS
B8-KL - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B8-KL	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	100.26
ARSENIC (AS)	mg/L	-	0	0	-	0	-	100.26
BARIUM (BA)	mg/L	0.021	11	11	0.02	0.039	0.02	0.005
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.005
BICARBONATE ALKALINITY AS HCO3	mg/L	590	11	11	500	594	563.09	30.42
BORON (B)	mg/L	0.12	11	11	0.11	0.13	0.12	0.007
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.007
CALCIUM (CA)	mg/L	5	11	11	4	13	5.64	2.54
CARBONATE AS CO3	mg/L	20	11	11	17	30	24.64	4.43
CHLORIDE (CL)	mg/L	24	11	11	10	24	17.00	4.47
CHROMIUM (CR)	mg/L	-	1	1	0.001	0.001	0.0010	4.47
COPPER (CU)	mg/L	-	1	1	0.003	0.003	0.0030	4.47
FLUORIDE (F)	mg/L	1.3	11	11	0.9	1.3	1.18	0.13
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.13
IRON (FE)	mg/L	0.06	4	4	0.06	0.07	0.06	0.005
LEAD (PB)	mg/L	-	0	0	-	0	-	0.005
MAGNESIUM (MG)	mg/L	2	11	11	2	8	2.64	1.80
MANGANESE (MN)	mg/L	0.01	11	11	0.007	0.02	0.01	0.004
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.004
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.004
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.004
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.004
pH - LAB	s.u.	8.4	11	11	8.2	8.7	8.42	0.15
PHOSPHORUS (P)	mg/L	-	1	1	0.025	0.025	0.03	0.15
POTASSIUM (K)	mg/L	2	11	11	2	3	2.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1690	11	11	1500	1980	1,672.73	144.23
SELENIUM (SE)	mg/L	-	2	2	0.001	0.001	0.0010	144.23
SODIUM (NA)	mg/L	381	11	11	340	519	392.64	46.23
SODIUM ADSORPTION RATIO	unitless	37.1	11	11	26.8	40.4	36.29	3.61
SULFATE (SO4)	mg/L	370	11	11	280	700	376.73	119.15
TDS (MEASURED AT 180 C)	mg/L	1080	11	11	946	1480	1,070.36	146.18
TOTAL ALKALINITY AS CACO3	mg/L	520	11	11	460	520	503.45	22.79
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	1.07	1.07	1.07	22.79
VANADIUM (V)	mg/L	-	0	0	-	0	-	22.79
ZINC (ZN)	mg/L	-	0	0	-	0	-	22.79

TABLE 5: SUMMARY OF STATISTICS
B8-KU - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B8-KU	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	22.79
ARSENIC (AS)	mg/L	-	0	0	-	0	-	22.79
BARIUM (BA)	mg/L	0.015	11	11	0.012	0.015	0.01	0.0010
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0010
BICARBONATE ALKALINITY AS HCO3	mg/L	720	11	11	660	790	731.36	30.83
BORON (B)	mg/L	0.41	11	11	0.35	0.42	0.39	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	154	11	11	151	180	162.55	9.07
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	9.07
CHLORIDE (CL)	mg/L	11	11	11	5	12	9.00	2.10
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.10
COPPER (CU)	mg/L	-	0	0	-	0	-	2.10
FLUORIDE (F)	mg/L	0.3	11	11	0.2	0.3	0.25	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	1.38	11	11	1.11	1.42	1.30	0.09
LEAD (PB)	mg/L	-	0	0	-	0	-	0.09
MAGNESIUM (MG)	mg/L	156	11	11	150	170	159.09	6.20
MANGANESE (MN)	mg/L	0.087	11	11	0.081	0.111	0.09	0.009
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.009
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.009
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.009
NITRATE + NITRITE AS N	mg/L	-	1	1	0.47	0.47	0.47	0.009
pH - LAB	s.u.	7.6	11	11	7.4	8.2	7.59	0.22
PHOSPHORUS (P)	mg/L	-	1	1	0.038	0.038	0.04	0.22
POTASSIUM (K)	mg/L	8	11	11	8	9	8.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	3300	11	11	2710	3360	3,185.45	221.69
SELENIUM (SE)	mg/L	-	1	1	0.001	0.001	0.0010	221.69
SODIUM (NA)	mg/L	423	11	11	401	482	433.82	20.14
SODIUM ADSORPTION RATIO	unitless	5.74	11	11	5.5	6.5	5.78	0.27
SULFATE (SO4)	mg/L	1500	11	11	1200	1510	1,391.82	105.53
TDS (MEASURED AT 180 C)	mg/L	2660	11	11	2340	2660	2,513.64	96.57
TOTAL ALKALINITY AS CACO3	mg/L	590	11	11	540	650	600.27	26.47
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.99	0.99	0.99	26.47
VANADIUM (V)	mg/L	-	0	0	-	0	-	26.47
ZINC (ZN)	mg/L	-	1	1	0.01	0.01	0.01	26.47

TABLE 5: SUMMARY OF STATISTICS
B8-O - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B8-O	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.016	3	3	0.016	0.7	0.27	0.37
ARSENIC (AS)	mg/L	0.003	11	11	0.003	0.011	0.007	0.0028
BARIUM (BA)	mg/L	0.013	11	11	0.012	0.043	0.02	0.009
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.009
BICARBONATE ALKALINITY AS HCO3	mg/L	530	11	11	450	570	519.45	31.61
BORON (B)	mg/L	0.29	11	11	0.26	0.29	0.27	0.009
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.009
CALCIUM (CA)	mg/L	81	11	11	69	95	78.09	7.31
CARBONATE AS CO3	mg/L	-	4	4	3	11	7.25	3.30
CHLORIDE (CL)	mg/L	11	11	11	6	11	8.27	1.95
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.95
COPPER (CU)	mg/L	-	1	1	0.003	0.003	0.0030	1.95
FLUORIDE (F)	mg/L	0.7	11	11	0.6	0.8	0.74	0.07
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.07
IRON (FE)	mg/L	0.14	9	9	0.06	0.4	0.17	0.09
LEAD (PB)	mg/L	-	1	1	0.001	0.001	0.0010	0.09
MAGNESIUM (MG)	mg/L	189	11	11	153	200	177.73	15.39
MANGANESE (MN)	mg/L	0.072	11	11	0.066	0.109	0.08	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.01
NICKEL (NI)	mg/L	-	3	3	0.01	0.03	0.02	0.01
NITRATE + NITRITE AS N	mg/L	-	3	3	0.01	0.4	0.15	0.22
pH - LAB	s.u.	7.8	11	11	7.7	8.3	7.90	0.19
PHOSPHORUS (P)	mg/L	-	1	1	0.018	0.018	0.02	0.19
POTASSIUM (K)	mg/L	5	11	11	5	6	5.36	0.50
SC (UMHOS/CM AT 25 C)	umhos/cm	2610	11	11	2060	2610	2,367.27	167.40
SELENIUM (SE)	mg/L	-	2	2	0.001	0.002	0.0015	167.40
SODIUM (NA)	mg/L	270	11	11	235	298	260.27	16.18
SODIUM ADSORPTION RATIO	unitless	3.76	11	11	3.52	3.94	3.72	0.13
SULFATE (SO4)	mg/L	1200	11	11	960	1200	1,056.36	88.12
TDS (MEASURED AT 180 C)	mg/L	2110	11	11	1660	2110	1,816.36	159.39
TOTAL ALKALINITY AS CACO3	mg/L	430	11	11	390	460	429.82	18.34
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.22	0.22	0.22	18.34
VANADIUM (V)	mg/L	-	0	0	-	0	-	18.34
ZINC (ZN)	mg/L	-	1	1	0.01	0.01	0.01	18.34

TABLE 5: SUMMARY OF STATISTICS
B8-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B8-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.023	0.023	0.02	18.34
ARSENIC (AS)	mg/L	-	7	7	0.001	0.018	0.006	0.006
BARIUM (BA)	mg/L	0.089	11	11	0.064	0.09	0.08	0.010
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.010
BICARBONATE ALKALINITY AS HCO3	mg/L	680	11	11	600	700	656.18	26.99
BORON (B)	mg/L	0.14	11	11	0.12	0.15	0.14	0.010
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.010
CALCIUM (CA)	mg/L	2	11	11	2	8	2.73	1.79
CARBONATE AS CO3	mg/L	31	11	11	23	42	34.64	6.76
CHLORIDE (CL)	mg/L	43	11	11	37	43	40.00	1.67
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.67
COPPER (CU)	mg/L	-	1	1	0.022	0.022	0.02	1.67
FLUORIDE (F)	mg/L	2.6	11	11	2	3	2.39	0.28
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.28
IRON (FE)	mg/L	0.02	3	3	0.02	0.07	0.04	0.03
LEAD (PB)	mg/L	-	0	0	-	0	-	0.03
MAGNESIUM (MG)	mg/L	-	5	5	1	9	3.00	3.39
MANGANESE (MN)	mg/L	0.013	11	11	0.011	0.03	0.02	0.005
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.005
MOLYBDENUM (MO)	mg/L	-	1	1	0.006	0.006	0.006	0.005
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.005
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.005
pH - LAB	s.u.	8.6	11	11	8.3	8.8	8.51	0.15
PHOSPHORUS (P)	mg/L	-	1	1	0.062	0.062	0.06	0.15
POTASSIUM (K)	mg/L	1	11	11	1	2	1.18	0.40
SC (UMHOS/CM AT 25 C)	umhos/cm	1160	11	11	1070	1200	1,143.64	42.25
SELENIUM (SE)	mg/L	-	0	0	-	0	-	42.25
SODIUM (NA)	mg/L	280	11	11	264	293	278.91	8.22
SODIUM ADSORPTION RATIO	unitless	44.3	11	11	15.4	44.3	37.38	8.55
SULFATE (SO4)	mg/L	-	3	3	2	54	19.33	30.02
TDS (MEASURED AT 180 C)	mg/L	687	11	11	638	754	680.73	31.99
TOTAL ALKALINITY AS CACO3	mg/L	610	11	11	540	620	596.36	24.20
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.64	0.64	0.64	24.20
VANADIUM (V)	mg/L	-	0	0	-	0	-	24.20
ZINC (ZN)	mg/L	-	0	0	-	0	-	24.20

TABLE 5: SUMMARY OF STATISTICS
B9-K - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B9-K	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.01	2	2	0.01	0.5	0.26	24.20
ARSENIC (AS)	mg/L	-	0	0	-	0	-	24.20
BARIUM (BA)	mg/L	0.112	11	11	0.089	0.115	0.10	0.009
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.009
BICARBONATE ALKALINITY AS HCO3	mg/L	1100	11	11	930	1100	1,036.36	64.23
BORON (B)	mg/L	0.11	11	11	0.11	0.14	0.13	0.008
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.008
CALCIUM (CA)	mg/L	2	11	11	2	3	2.18	0.40
CARBONATE AS CO3	mg/L	33	11	11	29	52	42.91	7.33
CHLORIDE (CL)	mg/L	25	11	11	20	30	23.00	2.72
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.72
COPPER (CU)	mg/L	-	2	2	0.001	0.003	0.0020	2.72
FLUORIDE (F)	mg/L	1.7	11	11	1.6	2	1.75	0.10
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.10
IRON (FE)	mg/L	0.2	10	10	0.09	0.26	0.16	0.05
LEAD (PB)	mg/L	-	1	1	0.0011	0.0011	0.0011	0.05
MAGNESIUM (MG)	mg/L	-	2	2	1	1	1.00	0.05
MANGANESE (MN)	mg/L	0.05	11	11	0.05	0.081	0.06	0.009
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.009
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.009
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.009
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.009
pH - LAB	s.u.	8.4	11	11	8.2	8.6	8.35	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.092	0.092	0.09	0.13
POTASSIUM (K)	mg/L	2	11	11	2	2	2.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	1630	11	11	1370	1680	1,590.91	89.38
SELENIUM (SE)	mg/L	-	0	0	-	0	-	89.38
SODIUM (NA)	mg/L	413	11	11	392	432	410.91	10.21
SODIUM ADSORPTION RATIO	unitless	61.3	11	11	54.2	61.3	57.15	2.35
SULFATE (SO4)	mg/L	-	1	1	3	3	3.00	2.35
TDS (MEASURED AT 180 C)	mg/L	1000	11	11	888	1030	975.82	37.17
TOTAL ALKALINITY AS CACO3	mg/L	940	11	11	840	950	916.36	38.54
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.78	0.78	0.78	38.54
VANADIUM (V)	mg/L	-	0	0	-	0	-	38.54
ZINC (ZN)	mg/L	-	0	0	-	0	-	38.54

TABLE 5: SUMMARY OF STATISTICS
B9-U - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	B9-U	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.175	10	10	0.026	3.7	0.78	1.11
ARSENIC (AS)	mg/L	-	0	0	-	0	-	1.11
BARIUM (BA)	mg/L	0.058	11	11	0.035	0.085	0.06	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	630	11	11	550	640	610.00	27.20
BORON (B)	mg/L	0.11	11	11	0.11	0.13	0.12	0.007
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.007
CALCIUM (CA)	mg/L	2	11	11	2	3	2.27	0.47
CARBONATE AS CO3	mg/L	28	11	11	21	36	29.27	4.82
CHLORIDE (CL)	mg/L	27	11	11	22	27	25.09	1.70
CHROMIUM (CR)	mg/L	-	1	1	0.003	0.003	0.0030	1.70
COPPER (CU)	mg/L	-	4	4	0.001	0.009	0.004	0.004
FLUORIDE (F)	mg/L	2.5	11	11	2	3	2.46	0.36
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.36
IRON (FE)	mg/L	0.09	11	11	0.03	2.2	0.35	0.63
LEAD (PB)	mg/L	-	2	2	0.0014	0.003	0.0022	0.63
MAGNESIUM (MG)	mg/L	-	1	1	1	1	1.00	0.63
MANGANESE (MN)	mg/L	0.018	11	11	0.012	0.041	0.02	0.008
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.008
MOLYBDENUM (MO)	mg/L	-	1	1	0.007	0.007	0.007	0.008
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.008
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.008
pH - LAB	s.u.	8.6	11	11	8.3	8.7	8.49	0.16
PHOSPHORUS (P)	mg/L	-	1	1	0.111	0.111	0.11	0.16
POTASSIUM (K)	mg/L	1	11	11	1	2	1.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1040	11	11	943	1070	1,019.91	38.29
SELENIUM (SE)	mg/L	-	0	0	-	0	-	38.29
SODIUM (NA)	mg/L	246	11	11	244	268	252.18	7.44
SODIUM ADSORPTION RATIO	unitless	43	11	11	35.1	43	40.56	2.25
SULFATE (SO4)	mg/L	-	1	1	2	2	2.00	2.25
TDS (MEASURED AT 180 C)	mg/L	620	11	11	569	732	631.18	51.82
TOTAL ALKALINITY AS CACO3	mg/L	560	11	11	500	570	547.27	24.12
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.32	0.32	0.32	24.12
VANADIUM (V)	mg/L	-	0	0	-	0	-	24.12
ZINC (ZN)	mg/L	-	0	0	-	0	-	24.12

TABLE 5: SUMMARY OF STATISTICS
C-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	C-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.8	0.8	0.80	1.40
ARSENIC (AS)	mg/L	0.004	11	11	0.003	0.004	0.004	0.0005
BARIUM (BA)	mg/L	0.046	11	11	0.044	0.118	0.06	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	820	11	11	700	820	786.36	33.55
BORON (B)	mg/L	0.4	11	11	0.37	0.45	0.41	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	62	11	11	62	79	72.45	4.61
CARBONATE AS CO3	mg/L	-	4	4	6	13	9.50	3.51
CHLORIDE (CL)	mg/L	28	11	11	22	32	27.27	3.07
CHROMIUM (CR)	mg/L	0.002	11	11	0.002	0.005	0.0028	0.0009
COPPER (CU)	mg/L	-	4	4	0.002	0.004	0.0028	0.0010
FLUORIDE (F)	mg/L	1.1	11	11	0.5	1.4	1.10	0.23
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.23
IRON (FE)	mg/L	0.12	5	5	0.05	0.32	0.13	0.11
LEAD (PB)	mg/L	-	1	1	0.0006	0.0006	0.0006	0.11
MAGNESIUM (MG)	mg/L	112	11	11	107	122	115.09	3.81
MANGANESE (MN)	mg/L	0.062	11	11	0.015	0.062	0.03	0.01
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.01
MOLYBDENUM (MO)	mg/L	-	1	1	0.005	0.005	0.005	0.01
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.01
NITRATE + NITRITE AS N	mg/L	2.52	11	11	2.52	6.08	4.46	1.06
pH - LAB	s.u.	7.6	11	11	7.3	8.1	7.64	0.22
POTASSIUM (K)	mg/L	21	11	11	21	24	22.82	0.87
SC (UMHOS/CM AT 25 C)	umhos/cm	3060	11	11	2480	3100	2,928.18	193.12
SELENIUM (SE)	mg/L	0.012	11	11	0.012	0.028	0.02	0.005
SODIUM (NA)	mg/L	501	11	11	429	502	468.36	25.63
SODIUM ADSORPTION RATIO	unitless	8.8	11	11	7.28	8.8	7.92	0.43
SULFATE (SO4)	mg/L	1100	11	11	820	1100	990.00	92.20
TDS (MEASURED AT 180 C)	mg/L	2140	11	11	1840	2440	2,102.73	157.23
TOTAL ALKALINITY AS CACO3	mg/L	670	11	11	590	670	650.91	26.25
VANADIUM (V)	mg/L	0.05	2	2	0.05	0.05	0.05	26.25
ZINC (ZN)	mg/L	-	0	0	-	0	-	26.25

TABLE 5: SUMMARY OF STATISTICS
C-3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	C-3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	26.25
ARSENIC (AS)	mg/L	0.002	2	2	0.002	0.002	0.0020	26.25
BARIUM (BA)	mg/L	0.016	11	11	0.014	0.018	0.02	0.0011
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0011
BICARBONATE ALKALINITY AS HCO3	mg/L	770	11	11	660	780	747.27	37.71
BORON (B)	mg/L	0.52	11	11	0.44	0.53	0.49	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	105	11	11	100	124	112.18	6.65
CARBONATE AS CO3	mg/L	-	2	2	20	45	32.50	6.65
CHLORIDE (CL)	mg/L	15	11	11	10	20	13.45	2.91
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.91
COPPER (CU)	mg/L	-	8	8	0.001	0.004	0.0019	0.0010
FLUORIDE (F)	mg/L	0.7	11	11	0.7	0.9	0.78	0.08
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.08
IRON (FE)	mg/L	3.8	11	11	2.83	7.77	4.72	1.40
LEAD (PB)	mg/L	-	1	1	0.0006	0.0006	0.0006	1.40
MAGNESIUM (MG)	mg/L	171	11	11	169	188	177.00	6.39
MANGANESE (MN)	mg/L	0.504	11	11	0.385	0.511	0.47	0.04
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.04
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.04
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.04
NITRATE + NITRITE AS N	mg/L	-	2	2	0.01	0.07	0.04	0.04
pH - LAB	s.u.	7.7	11	11	7.5	8.2	7.71	0.20
PHOSPHORUS (P)	mg/L	-	1	1	0.067	0.067	0.07	0.20
POTASSIUM (K)	mg/L	23	11	11	21	25	23.00	1.18
SC (UMHOS/CM AT 25 C)	umhos/cm	3490	11	11	2890	3550	3,370.91	197.00
SELENIUM (SE)	mg/L	-	0	0	-	0	-	197.00
SODIUM (NA)	mg/L	483	11	11	454	492	478.09	13.17
SODIUM ADSORPTION RATIO	unitless	6.76	11	11	6.35	6.76	6.54	0.14
SULFATE (SO4)	mg/L	1500	11	11	1300	1500	1,427.27	78.62
TDS (MEASURED AT 180 C)	mg/L	2650	11	11	2010	2740	2,526.36	198.10
TOTAL ALKALINITY AS CACO3	mg/L	630	11	11	570	640	620.91	20.71
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	20.71
VANADIUM (V)	mg/L	-	0	0	-	0	-	20.71
ZINC (ZN)	mg/L	-	0	0	-	0	-	20.71

TABLE 5: SUMMARY OF STATISTICS
C-4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	C-4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	27-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.015	0.015	0.02	20.71
ARSENIC (AS)	mg/L	0.002	2	2	0.001	0.002	0.0015	20.71
BARIUM (BA)	mg/L	0.024	11	11	0.022	0.024	0.02	0.0009
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0009
BICARBONATE ALKALINITY AS HCO3	mg/L	860	11	11	750	870	833.64	40.56
BORON (B)	mg/L	0.39	11	11	0.32	0.39	0.35	0.02
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.02
CALCIUM (CA)	mg/L	153	11	11	125	154	142.45	8.84
CARBONATE AS CO3	mg/L	-	2	2	11	62	36.50	8.84
CHLORIDE (CL)	mg/L	17	10	10	12	36	18.40	6.52
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	6.52
COPPER (CU)	mg/L	-	0	0	-	0	-	6.52
FLUORIDE (F)	mg/L	0.6	10	10	0.6	0.8	0.72	0.06
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.06
IRON (FE)	mg/L	1.26	11	11	1.03	2.36	1.59	0.43
LEAD (PB)	mg/L	-	0	0	-	0	-	0.43
MAGNESIUM (MG)	mg/L	242	11	11	205	242	219.73	10.16
MANGANESE (MN)	mg/L	0.357	11	11	0.344	0.392	0.37	0.02
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.02
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.02
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.02
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.02
pH - LAB	s.u.	7.5	11	11	7.5	8.4	7.68	0.26
PHOSPHORUS (P)	mg/L	-	1	1	0.063	0.063	0.06	0.26
POTASSIUM (K)	mg/L	21	11	11	19	21	20.18	0.75
SC (UMHOS/CM AT 25 C)	umhos/cm	4120	11	11	3590	4240	4,050.00	215.08
SELENIUM (SE)	mg/L	-	0	0	-	0	-	215.08
SODIUM (NA)	mg/L	609	11	11	553	626	595.36	24.46
SODIUM ADSORPTION RATIO	unitless	7.13	11	11	6.93	7.65	7.30	0.24
SULFATE (SO4)	mg/L	1900	11	11	1600	2000	1,800.00	141.42
TDS (MEASURED AT 180 C)	mg/L	3300	11	11	3040	3360	3,217.27	107.43
TOTAL ALKALINITY AS CACO3	mg/L	710	11	11	630	720	694.55	24.64
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	24.64
VANADIUM (V)	mg/L	-	0	0	-	0	-	24.64
ZINC (ZN)	mg/L	-	0	0	-	0	-	24.64

TABLE 5: SUMMARY OF STATISTICS
FORTUNE SPRING - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	FORTUNE SPRING	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	25-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	24.64
ARSENIC (AS)	mg/L	-	0	0	-	0	-	24.64
BARIUM (BA)	mg/L	0.013	9	9	0.013	0.019	0.02	0.0019
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.0019
BICARBONATE ALKALINITY AS HCO3	mg/L	960	9	9	880	1000	962.22	39.30
BORON (B)	mg/L	0.92	9	9	0.74	1.16	0.97	0.12
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.12
CALCIUM (CA)	mg/L	328	9	9	328	415	367.56	28.10
CARBONATE AS CO3	mg/L	-	1	1	38	38	38.00	28.10
CHLORIDE (CL)	mg/L	24	8	8	15	32	25.63	5.55
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	5.55
COPPER (CU)	mg/L	0.002	9	9	0.002	0.003	0.0026	0.0005
FLUORIDE (F)	mg/L	0.5	9	9	0.5	0.6	0.54	0.05
IRON (FE)	mg/L	-	0	0	-	0	-	0.05
LEAD (PB)	mg/L	-	0	0	-	0	-	0.05
MAGNESIUM (MG)	mg/L	657	9	9	657	762	714.67	32.81
MANGANESE (MN)	mg/L	-	0	0	-	0	-	32.81
MERCURY (HG)	mg/L	-	0	0	-	0	-	32.81
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	32.81
NICKEL (NI)	mg/L	-	0	0	-	0	-	32.81
NITRATE + NITRITE AS N	mg/L	7.18	9	9	6.04	16.1	10.75	2.91
pH - LAB	s.u.	7.4	9	9	7.3	7.8	7.43	0.14
PHOSPHORUS (P)	mg/L	-	1	1	0.009	0.009	0.009	0.14
POTASSIUM (K)	mg/L	25	9	9	25	31	28.00	1.94
SC (UMHOS/CM AT 25 C)	umhos/cm	8530	9	9	8270	9840	9,124.44	481.56
SELENIUM (SE)	mg/L	0.024	9	9	0.008	0.051	0.02	0.01
SODIUM (NA)	mg/L	1280	9	9	1280	1570	1,424.44	99.14
SODIUM ADSORPTION RATIO	unitless	9.77	9	9	9.04	10.7	9.86	0.57
SULFATE (SO4)	mg/L	5300	9	9	5300	6500	5,811.11	368.93
TDS (MEASURED AT 180 C)	mg/L	8860	9	9	7030	10100	8,864.44	959.98
TOTAL ALKALINITY AS CACO3	mg/L	790	9	9	720	860	795.56	40.65
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	40.65
TOTAL SUSPENDED SOLIDS	mg/L	-	8	8	7	100	38.00	36.19
TURBIDITY (NTU) - LAB	NTU	0.6	9	9	0.2	3.8	0.86	1.14
VANADIUM (V)	mg/L	-	0	0	-	0	-	1.14
ZINC (ZN)	mg/L	-	0	0	-	0	-	1.14

TABLE 5: SUMMARY OF STATISTICS
K-1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.017	2	2	0.017	0.047	0.03	1.14
ARSENIC (AS)	mg/L	-	0	0	-	0	-	1.14
BARIUM (BA)	mg/L	0.124	11	11	0.123	0.187	0.16	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	930	11	11	820	950	918.18	38.68
BORON (B)	mg/L	0.1	11	11	0.09	0.1	0.09	0.005
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.005
CALCIUM (CA)	mg/L	2	11	11	2	5	4.00	0.77
CARBONATE AS CO3	mg/L	42	11	11	28	79	44.55	12.84
CHLORIDE (CL)	mg/L	11	11	11	8	12	10.18	1.33
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.33
COPPER (CU)	mg/L	-	0	0	-	0	-	1.33
FLUORIDE (F)	mg/L	1.3	11	11	1.2	1.4	1.33	0.06
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.06
IRON (FE)	mg/L	0.03	6	6	0.03	0.24	0.09	0.08
LEAD (PB)	mg/L	-	0	0	-	0	-	0.08
MAGNESIUM (MG)	mg/L	1	11	11	1	2	1.91	0.30
MANGANESE (MN)	mg/L	-	7	7	0.005	0.011	0.007	0.0021
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.0021
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.0021
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.0021
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.0021
pH - LAB	s.u.	8.5	11	11	8.2	8.7	8.42	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.141	0.141	0.14	0.13
POTASSIUM (K)	mg/L	2	11	11	2	2	2.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	1460	11	11	1460	1720	1,590.91	100.64
SELENIUM (SE)	mg/L	-	0	0	-	0	-	100.64
SODIUM (NA)	mg/L	368	11	11	364	437	400.00	23.77
SODIUM ADSORPTION RATIO	unitless	49.6	11	11	36.1	49.6	41.53	3.50
SULFATE (SO4)	mg/L	25	11	11	25	140	82.45	36.88
TDS (MEASURED AT 180 C)	mg/L	896	11	11	896	1090	990.73	57.74
TOTAL ALKALINITY AS CACO3	mg/L	830	11	11	750	860	826.36	30.09
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.63	0.63	0.63	30.09
VANADIUM (V)	mg/L	-	0	0	-	0	-	30.09
ZINC (ZN)	mg/L	-	0	0	-	0	-	30.09

TABLE 5: SUMMARY OF STATISTICS
K-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	30.09
ARSENIC (AS)	mg/L	-	0	0	-	0	-	30.09
BARIUM (BA)	mg/L	0.106	11	11	0.09	0.106	0.10	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	680	11	11	600	710	669.09	28.09
BORON (B)	mg/L	0.1	11	11	0.09	0.11	0.10	0.005
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.005
CALCIUM (CA)	mg/L	2	11	11	2	3	2.09	0.30
CARBONATE AS CO3	mg/L	37	11	11	22	61	38.18	10.25
CHLORIDE (CL)	mg/L	9	11	11	7	10	8.18	0.98
CHROMIUM (CR)	mg/L	-	1	1	0.001	0.001	0.0010	0.98
COPPER (CU)	mg/L	-	0	0	-	0	-	0.98
FLUORIDE (F)	mg/L	1.3	11	11	1.2	3.3	1.54	0.59
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.59
IRON (FE)	mg/L	-	1	1	0.05	0.05	0.05	0.59
LEAD (PB)	mg/L	-	0	0	-	0	-	0.59
MAGNESIUM (MG)	mg/L	-	0	0	-	0	-	0.59
MANGANESE (MN)	mg/L	0.008	11	11	0.008	0.024	0.01	0.005
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.005
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.005
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.005
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.005
pH - LAB	s.u.	8.6	11	11	8.2	8.8	8.54	0.17
PHOSPHORUS (P)	mg/L	-	1	1	0.139	0.139	0.14	0.17
POTASSIUM (K)	mg/L	1	11	11	1	2	1.36	0.50
SC (UMHOS/CM AT 25 C)	umhos/cm	1110	11	11	937	1150	1,088.82	59.32
SELENIUM (SE)	mg/L	-	0	0	-	0	-	59.32
SODIUM (NA)	mg/L	274	11	11	272	284	276.45	4.16
SODIUM ADSORPTION RATIO	unitless	41.9	11	11	39.2	42.9	41.33	1.08
SULFATE (SO4)	mg/L	15	11	11	8	15	12.18	2.27
TDS (MEASURED AT 180 C)	mg/L	661	11	11	655	700	674.00	16.24
TOTAL ALKALINITY AS CACO3	mg/L	620	11	11	560	650	611.27	23.10
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.3	0.3	0.30	23.10
VANADIUM (V)	mg/L	-	0	0	-	0	-	23.10
ZINC (ZN)	mg/L	-	0	0	-	0	-	23.10

TABLE 5: SUMMARY OF STATISTICS
K-3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	1.8	1.8	1.80	23.10
ARSENIC (AS)	mg/L	-	0	0	-	0	-	23.10
BARIUM (BA)	mg/L	0.024	11	11	0.023	0.078	0.03	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	750	11	11	670	770	736.18	29.74
BORON (B)	mg/L	0.34	11	11	0.29	0.39	0.33	0.03
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.03
CALCIUM (CA)	mg/L	128	11	11	128	173	144.18	13.91
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	13.91
CHLORIDE (CL)	mg/L	14	11	11	10	14	12.64	1.43
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.002	0.0015	1.43
COPPER (CU)	mg/L	-	2	2	0.001	0.007	0.004	1.43
FLUORIDE (F)	mg/L	0.6	11	11	0.5	1.4	0.65	0.25
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.25
IRON (FE)	mg/L	0.81	11	11	0.67	3.56	1.17	0.85
LEAD (PB)	mg/L	-	1	1	0.0024	0.0024	0.0024	0.85
MAGNESIUM (MG)	mg/L	96	11	11	90	100	94.82	2.99
MANGANESE (MN)	mg/L	0.079	11	11	0.074	0.362	0.13	0.09
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.09
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.09
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.09
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.09
pH - LAB	s.u.	6.7	11	11	6.6	8	6.99	0.48
PHOSPHORUS (P)	mg/L	-	1	1	0.025	0.025	0.03	0.48
POTASSIUM (K)	mg/L	5	11	11	5	6	5.18	0.40
SC (UMHOS/CM AT 25 C)	umhos/cm	2040	11	11	1720	2090	1,980.91	97.21
SELENIUM (SE)	mg/L	-	0	0	-	0	-	97.21
SODIUM (NA)	mg/L	214	11	11	186	234	209.36	14.49
SODIUM ADSORPTION RATIO	unitless	3.48	11	11	2.92	3.59	3.32	0.21
SULFATE (SO4)	mg/L	690	11	11	520	690	600.82	44.40
TDS (MEASURED AT 180 C)	mg/L	1450	11	11	1330	1480	1,397.27	53.12
TOTAL ALKALINITY AS CACO3	mg/L	620	11	11	550	640	604.09	24.58
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.32	0.32	0.32	24.58
VANADIUM (V)	mg/L	-	0	0	-	0	-	24.58
ZINC (ZN)	mg/L	-	1	1	0.03	0.03	0.03	24.58

TABLE 5: SUMMARY OF STATISTICS
K-4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.079	7	7	0.079	3.1	0.70	1.07
ARSENIC (AS)	mg/L	0.001	2	2	0.001	0.002	0.0015	1.07
BARIUM (BA)	mg/L	0.023	11	11	0.017	0.088	0.03	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	490	11	11	430	510	481.09	22.30
BORON (B)	mg/L	0.13	11	11	0.1	0.13	0.12	0.009
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.009
CALCIUM (CA)	mg/L	2	11	11	2	3	2.09	0.30
CARBONATE AS CO3	mg/L	27	11	11	15	41	27.55	6.83
CHLORIDE (CL)	mg/L	9	11	11	7	9	8.27	0.90
CHROMIUM (CR)	mg/L	-	3	3	0.001	0.003	0.0020	0.0010
COPPER (CU)	mg/L	-	1	1	0.002	0.002	0.0020	0.0010
FLUORIDE (F)	mg/L	1.5	11	11	1.4	3.6	1.76	0.65
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.65
IRON (FE)	mg/L	0.06	7	7	0.05	2.04	0.40	0.73
LEAD (PB)	mg/L	-	3	3	0.0004	0.0035	0.0017	0.0016
MAGNESIUM (MG)	mg/L	-	1	1	1	1	1.00	0.0016
MANGANESE (MN)	mg/L	0.013	11	11	0.013	0.081	0.03	0.02
MERCURY (HG)	mg/L	-	1	1	0.00001	0.00001	0.000010	0.02
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.02
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.02
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.02
pH - LAB	s.u.	8.6	11	11	8.4	8.8	8.60	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.129	0.129	0.13	0.13
POTASSIUM (K)	mg/L	1	11	11	1	2	1.09	0.30
SC (UMHOS/CM AT 25 C)	umhos/cm	1080	11	11	909	1100	1,051.73	51.04
SELENIUM (SE)	mg/L	-	0	0	-	0	-	51.04
SODIUM (NA)	mg/L	253	11	11	246	268	255.27	6.39
SODIUM ADSORPTION RATIO	unitless	43	11	11	32.2	44.5	41.24	3.38
SULFATE (SO4)	mg/L	140	11	11	100	140	120.64	10.22
TDS (MEASURED AT 180 C)	mg/L	665	11	11	572	694	647.09	32.08
TOTAL ALKALINITY AS CACO3	mg/L	450	11	11	400	460	440.00	17.32
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.46	0.46	0.46	17.32
VANADIUM (V)	mg/L	-	0	0	-	0	-	17.32
ZINC (ZN)	mg/L	-	0	0	-	0	-	17.32

TABLE 5: SUMMARY OF STATISTICS
K-5 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-5	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	27-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.012	3	3	0.012	0.3	0.11	0.16
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.16
BARIUM (BA)	mg/L	0.119	11	11	0.101	0.119	0.11	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	870	11	11	750	870	834.55	39.08
BORON (B)	mg/L	0.16	11	11	0.16	0.2	0.17	0.01
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.01
CALCIUM (CA)	mg/L	2	11	11	2	3	2.27	0.47
CARBONATE AS CO3	mg/L	23	11	11	12	55	27.00	11.32
CHLORIDE (CL)	mg/L	10	11	11	8	11	9.36	1.29
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	1.29
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	1.29
FLUORIDE (F)	mg/L	1.3	11	11	1.3	1.6	1.40	0.09
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.09
IRON (FE)	mg/L	0.16	11	11	0.11	0.36	0.21	0.07
LEAD (PB)	mg/L	-	0	0	-	0	-	0.07
MAGNESIUM (MG)	mg/L	1	6	6	1	1	1.00	0.00
MANGANESE (MN)	mg/L	0.012	11	11	0.011	0.11	0.03	0.03
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.03
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.03
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.03
NITRATE + NITRITE AS N	mg/L	-	1	1	2.32	2.32	2.32	0.03
pH - LAB	s.u.	8	11	11	7.8	8.6	8.06	0.24
PHOSPHORUS (P)	mg/L	-	1	1	0.115	0.115	0.12	0.24
POTASSIUM (K)	mg/L	2	11	11	2	2	2.00	0.00
SC (UMHOS/CM AT 25 C)	umhos/cm	1260	11	11	1170	1320	1,255.45	49.67
SELENIUM (SE)	mg/L	-	0	0	-	0	-	49.67
SODIUM (NA)	mg/L	323	11	11	311	339	322.55	10.53
SODIUM ADSORPTION RATIO	unitless	43.7	11	11	38.7	46	43.50	1.87
SULFATE (SO4)	mg/L	-	1	1	5	5	5.00	1.87
TDS (MEASURED AT 180 C)	mg/L	770	11	11	715	820	774.91	30.07
TOTAL ALKALINITY AS CACO3	mg/L	750	11	11	670	760	729.09	30.48
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.22	0.22	0.22	30.48
VANADIUM (V)	mg/L	-	0	0	-	0	-	30.48
ZINC (ZN)	mg/L	-	0	0	-	0	-	30.48

TABLE 5: SUMMARY OF STATISTICS
K-6 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	K-6	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	19-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	1	1	0.3	0.3	0.30	30.48
ARSENIC (AS)	mg/L	-	0	0	-	0	-	30.48
BARIUM (BA)	mg/L	0.017	11	11	0.016	0.037	0.02	0.006
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.006
BICARBONATE ALKALINITY AS HCO3	mg/L	1100	11	11	970	1200	1,110.00	77.72
BORON (B)	mg/L	0.22	11	11	0.2	0.24	0.22	0.01
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.01
CALCIUM (CA)	mg/L	57	11	11	57	104	74.73	13.21
CARBONATE AS CO3	mg/L	-	3	3	11	61	31.00	26.46
CHLORIDE (CL)	mg/L	18	11	11	12	180	31.73	49.29
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	49.29
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	49.29
FLUORIDE (F)	mg/L	0.8	10	10	0.8	0.9	0.83	0.05
HYDROXIDE (OH)	mg/L	-	0	0	-	0	-	0.05
IRON (FE)	mg/L	0.61	11	11	0.53	1.12	0.72	0.19
LEAD (PB)	mg/L	-	1	1	0.0016	0.0016	0.0016	0.19
MAGNESIUM (MG)	mg/L	69	11	11	63	82	72.64	6.53
MANGANESE (MN)	mg/L	0.062	11	11	0.062	0.294	0.11	0.06
MERCURY (HG)	mg/L	-	1	1	0.00001	0.00001	0.000010	0.06
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.06
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.06
NITRATE + NITRITE AS N	mg/L	-	0	0	-	0	-	0.06
pH - LAB	s.u.	7.4	11	11	7.4	8.4	7.68	0.30
PHOSPHORUS (P)	mg/L	-	1	1	0.035	0.035	0.04	0.30
POTASSIUM (K)	mg/L	6	11	11	6	8	6.73	0.79
SC (UMHOS/CM AT 25 C)	umhos/cm	3070	11	11	3020	3520	3,226.36	200.56
SELENIUM (SE)	mg/L	-	0	0	-	0	-	200.56
SODIUM (NA)	mg/L	607	11	11	589	721	639.91	43.00
SODIUM ADSORPTION RATIO	unitless	12.8	11	11	12.1	13.4	12.65	0.46
SULFATE (SO4)	mg/L	890	11	11	820	1200	932.73	119.26
TDS (MEASURED AT 180 C)	mg/L	2110	11	11	2050	2530	2,228.18	168.93
TOTAL ALKALINITY AS CACO3	mg/L	940	11	11	830	960	922.18	38.63
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.9	0.9	0.90	38.63
VANADIUM (V)	mg/L	-	0	0	-	0	-	38.63
ZINC (ZN)	mg/L	-	0	0	-	0	-	38.63

TABLE 5: SUMMARY OF STATISTICS
P1 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	P1	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	1.03	8	8	0.2	16.2	2.76	5.48
ARSENIC (AS)	mg/L	-	4	4	0.001	0.008	0.005	0.003
BARIUM (BA)	mg/L	0.035	9	9	0.028	0.209	0.08	0.06
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.06
BICARBONATE ALKALINITY AS HCO3	mg/L	95	9	9	95	590	386.11	159.57
BORON (B)	mg/L	0.02	9	9	0.02	0.08	0.04	0.02
CADMIUM (CD)	mg/L	0.00006	3	3	0.00006	0.0006	0.00026	0.00030
CALCIUM (CA)	mg/L	16	9	9	16	360	118.11	103.47
CARBONATE AS CO3	mg/L	-	2	2	9	13	11.00	103.47
CHLORIDE (CL)	mg/L	-	6	6	1	24	9.83	7.68
CHROMIUM (CR)	mg/L	-	3	3	0.002	0.018	0.008	0.009
COPPER (CU)	mg/L	0.003	7	7	0.002	0.039	0.009	0.01
FLUORIDE (F)	mg/L	-	8	8	0.3	0.5	0.41	0.08
IRON (FE)	mg/L	1.42	9	9	0.43	22.3	3.96	7.10
LEAD (PB)	mg/L	0.0011	5	5	0.0011	0.0166	0.005	0.007
MAGNESIUM (MG)	mg/L	6	9	9	6	335	130.00	109.88
MANGANESE (MN)	mg/L	0.041	9	9	0.041	1.54	0.55	0.47
MERCURY (HG)	mg/L	0.000007	3	3	0.000007	0.00007	0.000029	0.00004
MOLYBDENUM (MO)	mg/L	-	1	1	0.008	0.008	0.008	0.00004
NICKEL (NI)	mg/L	0.004	4	4	0.004	0.04	0.02	0.02
NITRATE + NITRITE AS N	mg/L	-	3	3	0.03	0.44	0.25	0.21
pH - LAB	s.u.	7.4	9	9	7.4	8.2	7.79	0.32
PHOSPHORUS (P)	mg/L	-	2	2	0.027	0.152	0.09	0.32
POTASSIUM (K)	mg/L	4	9	9	4	56	22.33	17.49
SC (UMHOS/CM AT 25 C)	umhos/cm	315	9	9	315	8910	4,120.56	2,790.16
SELENIUM (SE)	mg/L	-	3	3	0.002	0.008	0.004	0.003
SODIUM (NA)	mg/L	41	9	9	41	1590	779.22	544.53
SODIUM ADSORPTION RATIO	unitless	2.18	9	9	2.18	17.4	11.18	4.85
SULFATE (SO4)	mg/L	72	9	9	72	5500	2,135.78	1,814.82
TDS (MEASURED AT 180 C)	mg/L	218	9	9	218	7890	3,270.89	2,395.76
TOTAL ALKALINITY AS CACO3	mg/L	78	9	9	78	480	320.89	131.18
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	131.18
TOTAL SUSPENDED SOLIDS	mg/L	25	8	8	10	1280	204.88	441.82
TURBIDITY (NTU) - LAB	NTU	38.4	9	9	5.3	590	84.86	190.28
VANADIUM (V)	mg/L	-	0	0	-	0	-	190.28
ZINC (ZN)	mg/L	0.011	3	3	0.011	0.1	0.04	0.05

TABLE 5: SUMMARY OF STATISTICS
P3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	P3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.441	7	7	0.2	3.5	0.91	1.21
ARSENIC (AS)	mg/L	0.001	5	5	0.001	0.014	0.007	0.005
BARIUM (BA)	mg/L	0.058	9	9	0.048	0.21	0.12	0.06
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.06
BICARBONATE ALKALINITY AS HCO3	mg/L	92	9	9	66	290	156.56	71.34
BORON (B)	mg/L	0.02	9	9	0.02	0.11	0.05	0.03
CADMIUM (CD)	mg/L	0.00005	2	2	0.00005	0.00012	0.00009	0.03
CALCIUM (CA)	mg/L	20	9	9	20	190	68.78	54.32
CARBONATE AS CO3	mg/L	2	3	3	2	11	6.00	4.58
CHLORIDE (CL)	mg/L	1	9	9	1	30	8.33	10.52
CHROMIUM (CR)	mg/L	-	2	2	0.002	0.006	0.004	10.52
COPPER (CU)	mg/L	0.004	9	9	0.002	0.009	0.005	0.0019
FLUORIDE (F)	mg/L	-	6	6	0.1	0.2	0.13	0.05
IRON (FE)	mg/L	0.65	9	9	0.32	8.96	2.21	3.10
LEAD (PB)	mg/L	0.0007	6	6	0.0006	0.0085	0.0024	0.0031
MAGNESIUM (MG)	mg/L	7	9	9	7	95	36.33	32.12
MANGANESE (MN)	mg/L	0.032	9	9	0.026	0.566	0.28	0.22
MERCURY (HG)	mg/L	0.000006	1	1	0.000006	0.000006	0.000006	0.22
MOLYBDENUM (MO)	mg/L	-	2	2	0.005	0.007	0.006	0.22
NICKEL (NI)	mg/L	0.002	3	3	0.002	0.02	0.01	0.009
NITRATE + NITRITE AS N	mg/L	0.17	7	7	0.01	0.66	0.20	0.22
pH - LAB	s.u.	8.6	9	9	7.1	8.6	7.88	0.53
PHOSPHORUS (P)	mg/L	-	2	2	0.038	0.246	0.14	0.53
POTASSIUM (K)	mg/L	7	9	9	7	44	20.11	13.01
SC (UMHOS/CM AT 25 C)	umhos/cm	201	9	9	201	2400	989.33	820.28
SELENIUM (SE)	mg/L	-	0	0	-	0	-	820.28
SODIUM (NA)	mg/L	8	9	9	8	356	103.33	114.64
SODIUM ADSORPTION RATIO	unitless	0.42	9	9	0.42	6.02	2.13	1.75
SULFATE (SO4)	mg/L	25	9	9	7	1200	401.00	471.44
TDS (MEASURED AT 180 C)	mg/L	131	9	9	131	2180	788.78	744.19
TOTAL ALKALINITY AS CACO3	mg/L	78	9	9	54	240	133.00	61.36
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.27	0.27	0.27	61.36
TOTAL SUSPENDED SOLIDS	mg/L	43	9	9	12	239	86.44	87.47
TURBIDITY (NTU) - LAB	NTU	32.8	9	9	6.7	188	40.82	56.78
VANADIUM (V)	mg/L	-	0	0	-	0	-	56.78
ZINC (ZN)	mg/L	0.009	4	4	0.009	0.03	0.02	0.010

TABLE 5: SUMMARY OF STATISTICS
P4 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	P4	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.477	4	4	0.2	0.9	0.47	0.31
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.31
BARIUM (BA)	mg/L	0.038	6	6	0.037	0.174	0.08	0.05
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.05
BICARBONATE ALKALINITY AS HCO3	mg/L	65	6	6	65	550	247.50	190.83
BORON (B)	mg/L	0.03	6	6	0.03	0.17	0.09	0.06
CADMIUM (CD)	mg/L	0.00007	1	1	0.00007	0.00007	0.00007	0.06
CALCIUM (CA)	mg/L	16	6	6	16	264	109.17	103.34
CARBONATE AS CO3	mg/L	-	2	2	1	8	4.50	103.34
CHLORIDE (CL)	mg/L	1	6	6	1	12	5.67	4.41
CHROMIUM (CR)	mg/L	0.001	2	2	0.001	0.002	0.0015	4.41
COPPER (CU)	mg/L	0.003	4	4	0.001	0.005	0.0028	0.0017
FLUORIDE (F)	mg/L	-	4	4	0.1	0.3	0.23	0.10
IRON (FE)	mg/L	0.67	6	6	0.13	1.8	0.79	0.60
LEAD (PB)	mg/L	0.0007	3	3	0.0005	0.0011	0.0008	0.00031
MAGNESIUM (MG)	mg/L	7	6	6	7	205	78.83	88.24
MANGANESE (MN)	mg/L	0.033	6	6	0.033	0.83	0.28	0.30
MERCURY (HG)	mg/L	0.000009	1	1	0.000009	0.000009	0.000009	0.30
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.30
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.30
NITRATE + NITRITE AS N	mg/L	-	3	3	0.02	0.25	0.13	0.12
pH - LAB	s.u.	7	6	6	6.9	8.4	7.57	0.58
PHOSPHORUS (P)	mg/L	-	2	2	0.056	0.063	0.06	0.58
POTASSIUM (K)	mg/L	6	6	6	6	18	13.00	4.82
SC (UMHOS/CM AT 25 C)	umhos/cm	205	6	6	205	3580	1,532.00	1,403.07
SELENIUM (SE)	mg/L	-	2	2	0.001	0.002	0.0015	1,403.07
SODIUM (NA)	mg/L	13	6	6	13	500	190.67	212.61
SODIUM ADSORPTION RATIO	unitless	0.67	6	6	0.67	5.5	2.79	1.97
SULFATE (SO4)	mg/L	45	6	6	45	2000	777.50	878.29
TDS (MEASURED AT 180 C)	mg/L	118	6	6	118	3650	1,409.50	1,504.99
TOTAL ALKALINITY AS CACO3	mg/L	53	6	6	53	450	204.67	158.24
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	158.24
TOTAL SUSPENDED SOLIDS	mg/L	27	5	5	6	142	41.20	56.97
TURBIDITY (NTU) - LAB	NTU	23.5	6	6	2.1	59	18.80	21.24
VANADIUM (V)	mg/L	-	0	0	-	0	-	21.24
ZINC (ZN)	mg/L	0.011	1	1	0.011	0.011	0.01	21.24

TABLE 5: SUMMARY OF STATISTICS
P5 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	P5	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.192	6	6	0.02	2.5	0.70	0.91
ARSENIC (AS)	mg/L	-	5	5	0.003	0.009	0.006	0.0028
BARIUM (BA)	mg/L	0.035	11	11	0.026	0.144	0.05	0.03
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.03
BICARBONATE ALKALINITY AS HCO3	mg/L	72	11	11	28	380	200.64	132.38
BORON (B)	mg/L	0.03	11	11	0.02	0.19	0.07	0.05
CADMIUM (CD)	mg/L	0.00005	4	4	0.00005	0.0001	0.00009	0.000024
CALCIUM (CA)	mg/L	14	11	11	14	352	121.73	87.50
CARBONATE AS CO3	mg/L	-	7	7	14	76	42.00	21.76
CHLORIDE (CL)	mg/L	1	11	11	1	33	15.82	9.42
CHROMIUM (CR)	mg/L	-	5	5	0.001	0.004	0.0026	0.0015
COPPER (CU)	mg/L	0.002	10	10	0.002	0.021	0.006	0.006
FLUORIDE (F)	mg/L	-	8	8	0.1	0.4	0.28	0.09
IRON (FE)	mg/L	0.31	10	10	0.06	3.72	0.75	1.12
LEAD (PB)	mg/L	-	5	5	0.0004	0.0025	0.0011	0.0008
MAGNESIUM (MG)	mg/L	9	11	11	9	326	191.00	104.94
MANGANESE (MN)	mg/L	0.014	11	11	0.006	0.56	0.15	0.20
MERCURY (HG)	mg/L	0.000008	2	2	0.000008	0.00001	0.000009	0.20
MOLYBDENUM (MO)	mg/L	-	4	4	0.006	0.011	0.008	0.0022
NICKEL (NI)	mg/L	-	3	3	0.005	0.02	0.01	0.008
NITRATE + NITRITE AS N	mg/L	-	5	5	0.01	1.44	0.36	0.61
pH - LAB	s.u.	7.4	11	11	7.2	10.5	8.65	1.08
PHOSPHORUS (P)	mg/L	-	2	2	0.012	0.016	0.01	1.08
POTASSIUM (K)	mg/L	6	11	11	6	27	18.00	6.54
SC (UMHOS/CM AT 25 C)	umhos/cm	365	11	11	365	9610	5,557.73	2,879.56
SELENIUM (SE)	mg/L	-	7	7	0.001	0.007	0.0027	0.0021
SODIUM (NA)	mg/L	44	11	11	44	2340	1,122.45	698.34
SODIUM ADSORPTION RATIO	unitless	2.24	11	11	2.24	23.8	14.08	7.36
SULFATE (SO4)	mg/L	110	11	11	110	5400	3,096.36	1,730.97
TDS (MEASURED AT 180 C)	mg/L	240	11	11	240	7730	4,605.45	2,374.26
TOTAL ALKALINITY AS CACO3	mg/L	59	11	11	59	350	210.82	100.79
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	100.79
TOTAL SUSPENDED SOLIDS	mg/L	6	9	9	6	210	67.33	75.50
TURBIDITY (NTU) - LAB	NTU	12.9	11	11	0.9	38	17.27	14.26
VANADIUM (V)	mg/L	-	0	0	-	0	-	14.26
ZINC (ZN)	mg/L	-	6	6	0.01	0.068	0.03	0.03

TABLE 5: SUMMARY OF STATISTICS
P6 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	P6	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.01	4	4	0.01	2.2	1.00	0.91
ARSENIC (AS)	mg/L	-	1	1	0.001	0.001	0.0010	0.91
BARIUM (BA)	mg/L	0.046	11	11	0.008	0.046	0.02	0.01
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.01
BICARBONATE ALKALINITY AS HCO3	mg/L	610	11	11	510	910	631.82	117.71
BORON (B)	mg/L	0.34	11	11	0.34	0.59	0.47	0.08
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.08
CALCIUM (CA)	mg/L	127	11	11	37	177	101.91	44.21
CARBONATE AS CO3	mg/L	-	8	8	5	53	32.50	20.30
CHLORIDE (CL)	mg/L	8	11	11	3	14	7.91	2.74
CHROMIUM (CR)	mg/L	-	2	2	0.002	0.003	0.0025	2.74
COPPER (CU)	mg/L	-	4	4	0.001	0.003	0.0023	0.0010
FLUORIDE (F)	mg/L	0.4	11	11	0.4	0.7	0.55	0.08
IRON (FE)	mg/L	0.09	10	10	0.07	2.86	0.63	0.90
LEAD (PB)	mg/L	-	3	3	0.0007	0.0019	0.0012	0.0006
MAGNESIUM (MG)	mg/L	193	11	11	193	262	217.09	23.55
MANGANESE (MN)	mg/L	0.031	11	11	0.01	0.553	0.13	0.16
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.16
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.16
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.16
NITRATE + NITRITE AS N	mg/L	-	2	2	0.02	0.02	0.02	0.16
pH - LAB	s.u.	7.9	11	11	7.7	8.6	8.17	0.33
PHOSPHORUS (P)	mg/L	-	2	2	0.022	0.029	0.03	0.33
POTASSIUM (K)	mg/L	13	11	11	13	22	16.18	2.64
SC (UMHOS/CM AT 25 C)	umhos/cm	2750	11	11	2750	3620	3,149.09	263.80
SELENIUM (SE)	mg/L	-	1	1	0.002	0.002	0.0020	263.80
SODIUM (NA)	mg/L	318	11	11	318	495	406.55	52.22
SODIUM ADSORPTION RATIO	unitless	4.42	11	11	4.42	6.57	5.23	0.58
SULFATE (SO4)	mg/L	1300	11	11	1300	1700	1,400.00	126.49
TDS (MEASURED AT 180 C)	mg/L	2150	11	11	2150	2920	2,478.18	193.43
TOTAL ALKALINITY AS CACO3	mg/L	500	11	11	430	750	558.18	87.84
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	87.84
TOTAL SUSPENDED SOLIDS	mg/L	-	8	8	8	96	36.75	37.96
TURBIDITY (NTU) - LAB	NTU	1.5	11	11	0.9	50.6	14.05	16.76
VANADIUM (V)	mg/L	-	0	0	-	0	-	16.76
ZINC (ZN)	mg/L	-	2	2	0.01	0.048	0.03	16.76

TABLE 5: SUMMARY OF STATISTICS
SW-11 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-11	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.025	4	4	0.025	6.3	1.78	3.02
ARSENIC (AS)	mg/L	-	2	2	0.005	0.014	0.010	3.02
BARIUM (BA)	mg/L	0.053	11	11	0.02	0.109	0.04	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	690	11	11	690	1100	783.64	123.63
BORON (B)	mg/L	0.3	11	11	0.25	0.47	0.37	0.06
CADMIUM (CD)	mg/L	-	1	1	0.00011	0.00011	0.00011	0.06
CALCIUM (CA)	mg/L	168	11	11	79	195	153.91	29.26
CARBONATE AS CO3	mg/L	4	7	7	4	32	18.71	8.90
CHLORIDE (CL)	mg/L	11	11	11	7	14	10.82	1.83
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.013	0.007	1.83
COPPER (CU)	mg/L	-	3	3	0.001	0.011	0.005	0.006
FLUORIDE (F)	mg/L	0.4	11	11	0.4	0.7	0.54	0.09
IRON (FE)	mg/L	0.39	11	11	0.1	9.27	1.33	2.65
LEAD (PB)	mg/L	-	2	2	0.0006	0.0052	0.0029	2.65
MAGNESIUM (MG)	mg/L	185	11	11	166	252	202.45	27.11
MANGANESE (MN)	mg/L	0.332	11	11	0.012	2.22	0.53	0.69
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.69
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.69
NICKEL (NI)	mg/L	0.003	2	2	0.003	0.01	0.007	0.69
NITRATE + NITRITE AS N	mg/L	0.42	7	7	0.02	0.42	0.13	0.14
pH - LAB	s.u.	8	11	11	7.7	8.3	8.11	0.16
PHOSPHORUS (P)	mg/L	-	2	2	0.006	0.101	0.05	0.16
POTASSIUM (K)	mg/L	15	11	11	13	21	16.00	2.41
SC (UMHOS/CM AT 25 C)	umhos/cm	3150	11	11	3150	3990	3,478.18	222.16
SELENIUM (SE)	mg/L	0.002	8	8	0.002	0.003	0.0023	0.0005
SODIUM (NA)	mg/L	390	11	11	390	578	460.91	67.43
SODIUM ADSORPTION RATIO	unitless	4.85	11	11	4.85	6.88	5.70	0.64
SULFATE (SO4)	mg/L	1500	11	11	1300	1900	1,563.64	162.93
TDS (MEASURED AT 180 C)	mg/L	2450	11	11	2390	3800	2,817.27	379.50
TOTAL ALKALINITY AS CACO3	mg/L	570	11	11	570	910	663.64	98.62
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.11	0.11	0.11	98.62
TOTAL SUSPENDED SOLIDS	mg/L	-	8	8	6	1000	143.75	346.59
TURBIDITY (NTU) - LAB	NTU	4.8	11	11	0.5	3260	314.41	977.47
VANADIUM (V)	mg/L	-	0	0	-	0	-	977.47
ZINC (ZN)	mg/L	-	2	2	0.02	0.07	0.05	977.47

TABLE 5: SUMMARY OF STATISTICS
SW-12 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-12	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.04	3	3	0.04	0.7	0.35	0.33
ARSENIC (AS)	mg/L	-	1	1	0.005	0.005	0.005	0.33
BARIUM (BA)	mg/L	0.056	7	7	0.024	0.128	0.05	0.03
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.03
BICARBONATE ALKALINITY AS HCO3	mg/L	700	7	7	220	750	582.86	215.62
BORON (B)	mg/L	0.3	7	7	0.13	0.41	0.29	0.09
CADMIUM (CD)	mg/L	-	1	1	0.00012	0.00012	0.00012	0.09
CALCIUM (CA)	mg/L	171	7	7	68	175	151.29	37.22
CARBONATE AS CO3	mg/L	-	3	3	5	21	10.67	8.96
CHLORIDE (CL)	mg/L	10	7	7	4	19	11.00	4.43
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	4.43
COPPER (CU)	mg/L	-	4	4	0.001	0.005	0.0028	0.0017
FLUORIDE (F)	mg/L	0.4	7	7	0.4	0.9	0.51	0.18
IRON (FE)	mg/L	0.45	7	7	0.21	2.14	0.72	0.65
LEAD (PB)	mg/L	-	1	1	0.0008	0.0008	0.0008	0.65
MAGNESIUM (MG)	mg/L	189	7	7	50	235	179.71	59.73
MANGANESE (MN)	mg/L	0.366	7	7	0.029	0.542	0.28	0.20
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.20
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.20
NICKEL (NI)	mg/L	0.003	1	1	0.003	0.003	0.0030	0.20
NITRATE + NITRITE AS N	mg/L	0.38	7	7	0.03	0.38	0.14	0.16
pH - LAB	s.u.	8	7	7	7.5	8.2	7.90	0.27
PHOSPHORUS (P)	mg/L	-	1	1	0.173	0.173	0.17	0.27
POTASSIUM (K)	mg/L	16	7	7	11	40	18.14	9.82
SC (UMHOS/CM AT 25 C)	umhos/cm	3160	7	7	1900	3510	3,175.71	573.78
SELENIUM (SE)	mg/L	0.002	6	6	0.002	0.003	0.0028	0.0004
SODIUM (NA)	mg/L	396	7	7	130	478	396.71	120.74
SODIUM ADSORPTION RATIO	unitless	4.88	7	7	2.73	5.53	4.99	1.02
SULFATE (SO4)	mg/L	1500	7	7	560	2100	1,437.14	452.02
TDS (MEASURED AT 180 C)	mg/L	2540	7	7	1340	3610	2,601.43	665.07
TOTAL ALKALINITY AS CACO3	mg/L	580	7	7	180	620	487.14	182.91
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.12	0.12	0.12	182.91
TOTAL SUSPENDED SOLIDS	mg/L	14	7	7	6	2630	433.43	975.93
TURBIDITY (NTU) - LAB	NTU	5.8	7	7	2.6	1460	217.37	548.06
VANADIUM (V)	mg/L	-	0	0	-	0	-	548.06
ZINC (ZN)	mg/L	0.009	3	3	0.009	0.03	0.02	0.01

TABLE 5: SUMMARY OF STATISTICS
SW-16 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-16	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.243	7	7	0.07	0.243	0.17	0.06
ARSENIC (AS)	mg/L	0.002	4	4	0.001	0.005	0.0028	0.0017
BARIUM (BA)	mg/L	0.073	11	11	0.007	0.089	0.04	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	630	11	11	520	910	640.91	101.53
BORON (B)	mg/L	0.34	11	11	0.26	0.63	0.40	0.11
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.11
CALCIUM (CA)	mg/L	149	11	11	55	159	120.36	33.98
CARBONATE AS CO3	mg/L	-	8	8	36	66	47.63	10.72
CHLORIDE (CL)	mg/L	17	11	11	9	23	15.82	4.24
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	4.24
COPPER (CU)	mg/L	-	2	2	0.001	0.002	0.0015	4.24
FLUORIDE (F)	mg/L	0.5	11	11	0.5	0.8	0.60	0.10
IRON (FE)	mg/L	1.08	11	11	0.11	1.08	0.41	0.29
LEAD (PB)	mg/L	0.0006	3	3	0.0006	0.0006	0.0006	0.00
MAGNESIUM (MG)	mg/L	259	11	11	209	344	260.82	38.46
MANGANESE (MN)	mg/L	0.566	11	11	0.051	0.63	0.21	0.21
MERCURY (HG)	mg/L	-	1	1	0.00008	0.00008	0.00008	0.21
MOLYBDENUM (MO)	mg/L	-	2	2	0.006	0.009	0.008	0.21
NICKEL (NI)	mg/L	0.004	1	1	0.004	0.004	0.004	0.21
NITRATE + NITRITE AS N	mg/L	0.35	7	7	0.01	0.36	0.16	0.16
pH - LAB	s.u.	8.1	11	11	7.9	8.7	8.36	0.28
PHOSPHORUS (P)	mg/L	-	2	2	0.021	0.034	0.03	0.28
POTASSIUM (K)	mg/L	19	11	11	17	29	21.27	3.74
SC (UMHOS/CM AT 25 C)	umhos/cm	3640	11	11	3350	4580	3,793.64	408.03
SELENIUM (SE)	mg/L	0.002	3	3	0.001	0.002	0.0013	0.0006
SODIUM (NA)	mg/L	475	11	11	402	696	506.55	86.97
SODIUM ADSORPTION RATIO	unitless	5.41	11	11	4.9	8.18	5.88	0.96
SULFATE (SO4)	mg/L	1800	11	11	1500	2300	1,809.09	234.33
TDS (MEASURED AT 180 C)	mg/L	2970	11	11	2460	3450	3,039.09	338.78
TOTAL ALKALINITY AS CACO3	mg/L	520	11	11	500	740	583.64	72.43
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	72.43
TOTAL SUSPENDED SOLIDS	mg/L	20	11	11	5	36	19.64	10.98
TURBIDITY (NTU) - LAB	NTU	16.3	11	11	2.3	16.3	8.01	4.58
VANADIUM (V)	mg/L	-	0	0	-	0	-	4.58
ZINC (ZN)	mg/L	-	0	0	-	0	-	4.58

TABLE 5: SUMMARY OF STATISTICS
SW-1A - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-1A	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.011	4	4	0.011	0.2	0.15	0.09
ARSENIC (AS)	mg/L	0.002	4	4	0.002	0.014	0.009	0.006
BARIUM (BA)	mg/L	0.04	9	9	0.024	0.104	0.04	0.03
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.03
BICARBONATE ALKALINITY AS HCO3	mg/L	970	9	9	760	1200	976.67	142.04
BORON (B)	mg/L	0.8	9	9	0.62	1.02	0.75	0.12
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.12
CALCIUM (CA)	mg/L	118	9	9	95	139	112.11	14.79
CARBONATE AS CO3	mg/L	-	4	4	19	87	44.50	29.55
CHLORIDE (CL)	mg/L	14	9	9	12	86	22.67	23.91
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	23.91
COPPER (CU)	mg/L	-	6	6	0.001	0.002	0.0012	0.0004
FLUORIDE (F)	mg/L	0.8	9	9	0.7	1.4	1.08	0.27
IRON (FE)	mg/L	0.47	9	9	0.18	0.98	0.48	0.28
LEAD (PB)	mg/L	-	1	1	0.0005	0.0005	0.0005	0.28
MAGNESIUM (MG)	mg/L	285	9	9	220	323	259.89	35.55
MANGANESE (MN)	mg/L	0.312	9	9	0.051	1.53	0.52	0.49
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.49
MOLYBDENUM (MO)	mg/L	0.006	2	2	0.006	0.006	0.006	0.49
NICKEL (NI)	mg/L	0.005	1	1	0.005	0.005	0.005	0.49
NITRATE + NITRITE AS N	mg/L	0.12	8	8	0.06	0.21	0.12	0.05
pH - LAB	s.u.	8.1	9	9	7.8	8.3	8.00	0.17
PHOSPHORUS (P)	mg/L	-	1	1	0.061	0.061	0.06	0.17
POTASSIUM (K)	mg/L	25	9	9	20	31	24.78	3.38
SC (UMHOS/CM AT 25 C)	umhos/cm	4680	9	9	3580	5380	4,321.11	633.41
SELENIUM (SE)	mg/L	-	5	5	0.001	0.004	0.0020	0.0012
SODIUM (NA)	mg/L	762	9	9	559	852	704.89	97.10
SODIUM ADSORPTION RATIO	unitless	8.63	9	9	7.17	9.66	8.08	0.79
SULFATE (SO4)	mg/L	2300	9	9	1300	2800	1,866.67	519.62
TDS (MEASURED AT 180 C)	mg/L	3700	9	9	2540	4280	3,358.89	557.44
TOTAL ALKALINITY AS CACO3	mg/L	790	9	9	620	1000	833.33	104.64
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	104.64
TOTAL SUSPENDED SOLIDS	mg/L	16	9	9	10	108	31.00	30.47
TURBIDITY (NTU) - LAB	NTU	4.5	9	9	1.2	16.9	6.60	5.16
VANADIUM (V)	mg/L	-	0	0	-	0	-	5.16
ZINC (ZN)	mg/L	-	0	0	-	0	-	5.16

TABLE 5: SUMMARY OF STATISTICS
SW-2 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-2	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.223	11	11	0.1	1.9	0.83	0.60
ARSENIC (AS)	mg/L	0.002	4	4	0.002	0.003	0.0028	0.0005
BARIUM (BA)	mg/L	0.073	12	12	0.012	0.091	0.05	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	650	12	12	520	940	639.17	109.91
BORON (B)	mg/L	0.35	12	12	0.25	0.79	0.45	0.17
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.17
CALCIUM (CA)	mg/L	154	12	12	45	162	115.58	39.31
CARBONATE AS CO3	mg/L	-	9	9	30	100	53.89	21.96
CHLORIDE (CL)	mg/L	17	12	12	11	27	16.75	4.94
CHROMIUM (CR)	mg/L	-	5	5	0.002	0.003	0.0024	0.0005
COPPER (CU)	mg/L	-	8	8	0.001	0.004	0.0024	0.0009
FLUORIDE (F)	mg/L	0.5	12	12	0.5	0.8	0.62	0.11
IRON (FE)	mg/L	1.09	12	12	0.22	2.19	1.11	0.68
LEAD (PB)	mg/L	0.0005	8	8	0.0005	0.0019	0.0012	0.0005
MAGNESIUM (MG)	mg/L	268	12	12	201	390	273.83	51.98
MANGANESE (MN)	mg/L	0.609	12	12	0.06	0.609	0.20	0.20
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.20
MOLYBDENUM (MO)	mg/L	-	4	4	0.007	0.011	0.008	0.0019
NICKEL (NI)	mg/L	0.004	1	1	0.004	0.004	0.004	0.0019
NITRATE + NITRITE AS N	mg/L	0.35	4	4	0.07	0.38	0.27	0.14
pH - LAB	s.u.	8.1	12	12	7.8	9	8.43	0.32
PHOSPHORUS (P)	mg/L	-	2	2	0.02	0.029	0.02	0.32
POTASSIUM (K)	mg/L	20	12	12	16	32	22.58	4.93
SC (UMHOS/CM AT 25 C)	umhos/cm	3720	12	12	3290	4860	3,925.83	550.96
SELENIUM (SE)	mg/L	0.002	4	4	0.001	0.002	0.0015	0.0006
SODIUM (NA)	mg/L	496	12	12	382	756	533.42	115.70
SODIUM ADSORPTION RATIO	unitless	5.69	12	12	4.82	8.54	6.14	1.17
SULFATE (SO4)	mg/L	1900	12	12	1400	2600	1,891.67	336.99
TDS (MEASURED AT 180 C)	mg/L	3100	12	12	2420	3940	3,176.67	468.68
TOTAL ALKALINITY AS CACO3	mg/L	530	12	12	480	770	593.33	80.72
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	80.72
TOTAL SUSPENDED SOLIDS	mg/L	20	12	12	6	108	50.67	38.51
TURBIDITY (NTU) - LAB	NTU	14.8	12	12	3.6	69	26.60	23.97
VANADIUM (V)	mg/L	-	0	0	-	0	-	23.97
ZINC (ZN)	mg/L	-	1	1	0.01	0.01	0.01	23.97

TABLE 5: SUMMARY OF STATISTICS
SW-22 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-22	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.41	5	5	0.056	0.9	0.39	0.32
ARSENIC (AS)	mg/L	0.002	4	4	0.001	0.006	0.004	0.0026
BARIUM (BA)	mg/L	0.073	11	11	0.02	0.096	0.04	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	590	11	11	420	880	627.27	120.84
BORON (B)	mg/L	0.29	11	11	0.25	0.49	0.35	0.07
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.07
CALCIUM (CA)	mg/L	145	11	11	56	164	126.82	31.02
CARBONATE AS CO3	mg/L	-	8	8	34	97	48.75	21.89
CHLORIDE (CL)	mg/L	16	11	11	5	21	15.00	4.49
CHROMIUM (CR)	mg/L	-	1	1	0.002	0.002	0.0020	4.49
COPPER (CU)	mg/L	0.002	5	5	0.001	0.003	0.0018	0.0008
FLUORIDE (F)	mg/L	0.4	11	11	0.4	0.7	0.57	0.09
IRON (FE)	mg/L	1.35	11	11	0.07	1.35	0.53	0.46
LEAD (PB)	mg/L	0.0008	2	2	0.0008	0.0012	0.0010	0.46
MAGNESIUM (MG)	mg/L	234	11	11	218	310	251.27	26.90
MANGANESE (MN)	mg/L	0.51	11	11	0.008	0.563	0.26	0.18
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.18
MOLYBDENUM (MO)	mg/L	-	1	1	0.006	0.006	0.006	0.18
NICKEL (NI)	mg/L	0.003	1	1	0.003	0.003	0.0030	0.18
NITRATE + NITRITE AS N	mg/L	0.24	7	7	0.01	0.36	0.14	0.14
pH - LAB	s.u.	8	11	11	7.9	9.1	8.40	0.33
PHOSPHORUS (P)	mg/L	-	2	2	0.037	0.06	0.05	0.33
POTASSIUM (K)	mg/L	18	11	11	17	25	20.09	2.39
SC (UMHOS/CM AT 25 C)	umhos/cm	3260	11	11	3260	3960	3,581.82	230.86
SELENIUM (SE)	mg/L	0.001	4	4	0.001	0.001	0.0010	0.00
SODIUM (NA)	mg/L	407	11	11	402	545	456.91	45.70
SODIUM ADSORPTION RATIO	unitless	4.81	11	11	4.81	6.56	5.41	0.52
SULFATE (SO4)	mg/L	1600	11	11	1500	1900	1,690.91	113.62
TDS (MEASURED AT 180 C)	mg/L	2730	11	11	2580	3230	2,855.45	227.35
TOTAL ALKALINITY AS CACO3	mg/L	480	11	11	480	720	570.91	74.22
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	74.22
TOTAL SUSPENDED SOLIDS	mg/L	26	10	10	8	64	25.30	17.58
TURBIDITY (NTU) - LAB	NTU	18.7	11	11	2.6	43	11.25	11.78
VANADIUM (V)	mg/L	-	0	0	-	0	-	11.78
ZINC (ZN)	mg/L	-	0	0	-	0	-	11.78

TABLE 5: SUMMARY OF STATISTICS
SW-23 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-23	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	-	0	0	-	0	-	11.78
ARSENIC (AS)	mg/L	-	0	0	-	0	-	11.78
BARIUM (BA)	mg/L	0.044	5	5	0.027	0.054	0.04	0.01
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.01
BICARBONATE ALKALINITY AS HCO3	mg/L	610	5	5	610	830	718.00	98.34
BORON (B)	mg/L	0.38	5	5	0.33	0.63	0.50	0.13
CADMIUM (CD)	mg/L	-	0	0	-	0	-	0.13
CALCIUM (CA)	mg/L	128	5	5	115	156	129.00	16.05
CARBONATE AS CO3	mg/L	3	2	2	3	22	12.50	16.05
CHLORIDE (CL)	mg/L	8	5	5	5	12	7.80	2.68
CHROMIUM (CR)	mg/L	-	0	0	-	0	-	2.68
COPPER (CU)	mg/L	-	1	1	0.001	0.001	0.0010	2.68
FLUORIDE (F)	mg/L	0.4	5	5	0.4	0.6	0.54	0.09
IRON (FE)	mg/L	0.16	5	5	0.16	0.42	0.30	0.10
LEAD (PB)	mg/L	-	0	0	-	0	-	0.10
MAGNESIUM (MG)	mg/L	208	5	5	189	267	224.80	29.46
MANGANESE (MN)	mg/L	0.034	5	5	0.034	1.4	0.33	0.60
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.60
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.60
NICKEL (NI)	mg/L	-	0	0	-	0	-	0.60
NITRATE + NITRITE AS N	mg/L	-	1	1	2.39	2.39	2.39	0.60
pH - LAB	s.u.	8.2	5	5	7.9	8.2	8.08	0.13
PHOSPHORUS (P)	mg/L	-	1	1	0.096	0.096	0.10	0.13
POTASSIUM (K)	mg/L	16	5	5	15	23	18.60	3.21
SC (UMHOS/CM AT 25 C)	umhos/cm	2970	5	5	2970	4520	3,582.00	617.39
SELENIUM (SE)	mg/L	-	0	0	-	0	-	617.39
SODIUM (NA)	mg/L	381	5	5	373	610	471.80	98.04
SODIUM ADSORPTION RATIO	unitless	5.14	5	5	4.98	6.81	5.72	0.73
SULFATE (SO4)	mg/L	1400	5	5	1300	2200	1,680.00	356.37
TDS (MEASURED AT 180 C)	mg/L	2370	5	5	2270	3810	2,894.00	619.10
TOTAL ALKALINITY AS CACO3	mg/L	510	5	5	500	680	596.00	84.44
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	84.44
TOTAL SUSPENDED SOLIDS	mg/L	6	4	4	6	16	10.00	4.90
TURBIDITY (NTU) - LAB	NTU	2.2	5	5	2.2	9.5	4.48	3.03
VANADIUM (V)	mg/L	-	0	0	-	0	-	3.03
ZINC (ZN)	mg/L	-	0	0	-	0	-	3.03

TABLE 5: SUMMARY OF STATISTICS
SW-25 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-25	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	20-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.228	4	4	0.228	1.1	0.57	0.42
ARSENIC (AS)	mg/L	0.001	3	3	0.001	0.004	0.0023	0.0015
BARIUM (BA)	mg/L	0.073	4	4	0.042	0.073	0.06	0.01
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.01
BICARBONATE ALKALINITY AS HCO3	mg/L	630	4	4	500	960	685.00	195.02
BORON (B)	mg/L	0.34	4	4	0.34	0.8	0.54	0.19
CADMIUM (CD)	mg/L	0.00004	1	1	0.00004	0.00004	0.00004	0.19
CALCIUM (CA)	mg/L	143	4	4	49	165	114.00	51.29
CARBONATE AS CO3	mg/L	-	2	2	51	66	58.50	51.29
CHLORIDE (CL)	mg/L	17	4	4	12	26	16.75	6.60
CHROMIUM (CR)	mg/L	-	2	2	0.001	0.002	0.0015	6.60
COPPER (CU)	mg/L	0.002	4	4	0.001	0.002	0.0018	0.0005
FLUORIDE (F)	mg/L	0.5	4	4	0.5	0.8	0.63	0.15
IRON (FE)	mg/L	0.93	4	4	0.55	1.24	0.87	0.29
LEAD (PB)	mg/L	0.0005	4	4	0.0003	0.001	0.0007	0.0004
MAGNESIUM (MG)	mg/L	248	4	4	246	331	281.50	41.69
MANGANESE (MN)	mg/L	0.557	4	4	0.083	0.557	0.22	0.23
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.23
MOLYBDENUM (MO)	mg/L	-	2	2	0.007	0.008	0.008	0.23
NICKEL (NI)	mg/L	0.004	1	1	0.004	0.004	0.004	0.23
NITRATE + NITRITE AS N	mg/L	0.34	3	3	0.01	0.34	0.20	0.17
pH - LAB	s.u.	8.1	4	4	7.8	8.7	8.30	0.42
POTASSIUM (K)	mg/L	19	4	4	19	29	23.00	4.55
SC (UMHOS/CM AT 25 C)	umhos/cm	3630	3	3	3630	4990	4,330.00	680.88
SC (UMHOS/CM AT 25 C) (FLD)	umhos/cm	-	1	1	3660	3660	3,660.00	680.88
SELENIUM (SE)	mg/L	0.002	2	2	0.002	0.002	0.0020	680.88
SODIUM (NA)	mg/L	467	4	4	467	708	555.75	109.48
SODIUM ADSORPTION RATIO	unitless	5.58	4	4	5.58	7.88	6.32	1.06
SULFATE (SO4)	mg/L	1800	4	4	1800	2300	1,975.00	236.29
TDS (MEASURED AT 180 C)	mg/L	2860	4	4	2860	3960	3,327.50	476.19
TOTAL ALKALINITY AS CACO3	mg/L	520	4	4	490	790	610.00	136.38
TOTAL SUSPENDED SOLIDS	mg/L	24	3	3	24	88	61.33	33.31
TURBIDITY (NTU) - LAB	NTU	14.1	4	4	6.4	41.2	25.58	17.97
VANADIUM (V)	mg/L	-	0	0	-	0	-	17.97
ZINC (ZN)	mg/L	-	0	0	-	0	-	17.97

TABLE 5: SUMMARY OF STATISTICS
SW-3 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-3	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.621	5	5	0.621	37.1	16.94	17.26
ARSENIC (AS)	mg/L	0.002	4	4	0.002	0.023	0.02	0.009
BARIUM (BA)	mg/L	0.085	5	5	0.072	0.576	0.31	0.23
BERYLLIUM (BE)	mg/L	-	2	2	0.002	0.002	0.0020	0.23
BICARBONATE ALKALINITY AS HCO3	mg/L	100	5	5	100	230	172.00	49.70
BORON (B)	mg/L	0.12	5	5	0.1	0.21	0.14	0.05
CADMIUM (CD)	mg/L	0.00008	4	4	0.00008	0.0011	0.0006	0.0004
CALCIUM (CA)	mg/L	29	5	5	29	92	59.60	22.30
CARBONATE AS CO3	mg/L	-	0	0	-	0	-	22.30
CHLORIDE (CL)	mg/L	2	5	5	2	5	2.80	1.30
CHROMIUM (CR)	mg/L	0.001	5	5	0.001	0.068	0.03	0.03
COPPER (CU)	mg/L	0.003	5	5	0.003	0.07	0.03	0.03
FLUORIDE (F)	mg/L	-	3	3	0.1	0.1	0.10	0.00
IRON (FE)	mg/L	2.28	5	5	1.91	61	28.36	25.82
LEAD (PB)	mg/L	0.0011	5	5	0.0011	0.045	0.02	0.02
MAGNESIUM (MG)	mg/L	15	5	5	15	49	32.80	12.40
MANGANESE (MN)	mg/L	0.32	5	5	0.193	1.74	1.04	0.72
MERCURY (HG)	mg/L	0.000007	3	3	0.000007	0.00008	0.00005	0.00004
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	0.00004
NICKEL (NI)	mg/L	0.005	4	4	0.005	0.07	0.04	0.03
NITRATE + NITRITE AS N	mg/L	-	3	3	0.02	0.07	0.05	0.03
pH - LAB	s.u.	6.9	5	5	6.4	7.2	6.92	0.31
POTASSIUM (K)	mg/L	31	5	5	18	31	24.00	6.44
SC (UMHOS/CM AT 25 C)	umhos/cm	333	5	5	281	1070	472.60	336.61
SELENIUM (SE)	mg/L	-	1	1	0.002	0.002	0.0020	336.61
SODIUM (NA)	mg/L	19	5	5	11	94	30.20	35.79
SODIUM ADSORPTION RATIO	unitless	0.72	5	5	0.28	2.09	0.79	0.75
SULFATE (SO4)	mg/L	70	5	5	2	340	94.00	139.71
TDS (MEASURED AT 180 C)	mg/L	255	5	5	186	746	361.60	226.45
TOTAL ALKALINITY AS CACO3	mg/L	82	5	5	82	190	138.40	40.78
TOTAL SUSPENDED SOLIDS	mg/L	80	5	5	80	2960	696.00	1,266.07
TURBIDITY (NTU) - LAB	NTU	37.8	5	5	37.8	1790	407.82	773.20
VANADIUM (V)	mg/L	-	0	0	-	0	-	773.20
ZINC (ZN)	mg/L	0.052	5	5	0.052	0.42	0.20	0.14

TABLE 5: SUMMARY OF STATISTICS
SW-8 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-8	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	21-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.543	2	2	0.3	0.543	0.42	0.11
ARSENIC (AS)	mg/L	-	0	0	-	0	-	0.11
BARIUM (BA)	mg/L	0.048	7	7	0.034	0.09	0.06	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	570	7	7	520	590	555.71	28.20
BORON (B)	mg/L	0.08	7	7	0.07	0.12	0.10	0.02
CADMIUM (CD)	mg/L	0.00008	1	1	0.00008	0.00008	0.00008	0.02
CALCIUM (CA)	mg/L	191	7	7	182	296	236.29	39.40
CARBONATE AS CO3	mg/L	-	1	1	13	13	13.00	39.40
CHLORIDE (CL)	mg/L	8	7	7	3	11	8.57	2.88
CHROMIUM (CR)	mg/L	0.001	1	1	0.001	0.001	0.0010	2.88
COPPER (CU)	mg/L	0.002	1	1	0.002	0.002	0.0020	2.88
FLUORIDE (F)	mg/L	0.2	7	7	0.2	0.3	0.27	0.05
IRON (FE)	mg/L	0.92	5	5	0.19	0.92	0.42	0.30
LEAD (PB)	mg/L	0.0008	2	2	0.0006	0.0008	0.0007	0.30
MAGNESIUM (MG)	mg/L	96	7	7	96	169	144.43	27.68
MANGANESE (MN)	mg/L	0.06	7	7	0.016	3.42	0.59	1.26
MERCURY (HG)	mg/L	-	0	0	-	0	-	1.26
MOLYBDENUM (MO)	mg/L	-	0	0	-	0	-	1.26
NICKEL (NI)	mg/L	0.003	1	1	0.003	0.003	0.0030	1.26
NITRATE + NITRITE AS N	mg/L	0.06	3	3	0.06	0.11	0.09	0.03
pH - LAB	s.u.	8	7	7	7.5	8.1	7.90	0.22
PHOSPHORUS (P)	mg/L	-	2	2	0.008	0.011	0.010	0.22
POTASSIUM (K)	mg/L	14	7	7	10	14	11.43	1.40
SC (UMHOS/CM AT 25 C)	umhos/cm	2230	7	7	2230	3310	2,845.71	344.62
SELENIUM (SE)	mg/L	0.003	1	1	0.003	0.003	0.0030	344.62
SODIUM (NA)	mg/L	228	7	7	228	368	314.86	47.44
SODIUM ADSORPTION RATIO	unitless	3.25	7	7	3.25	4.29	3.92	0.39
SULFATE (SO4)	mg/L	970	7	7	970	1600	1,367.14	250.78
TDS (MEASURED AT 180 C)	mg/L	1710	7	7	1710	3100	2,512.86	514.38
TOTAL ALKALINITY AS CACO3	mg/L	470	7	7	430	480	457.14	19.76
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	0	0	-	0	-	19.76
TOTAL SUSPENDED SOLIDS	mg/L	36	6	6	6	36	17.00	11.08
TURBIDITY (NTU) - LAB	NTU	17	7	7	0.7	17	5.20	6.13
VANADIUM (V)	mg/L	-	0	0	-	0	-	6.13
ZINC (ZN)	mg/L	0.009	1	1	0.009	0.009	0.009	6.13

TABLE 5: SUMMARY OF STATISTICS
SW-9 - Analytical Results
Reporting Period - 2/2011 - 4/2014

	Location	SW-9	No. Samples	No. Detects	Min.	Max.	Mean	SD.
	Date	24-Mar-14						
	Units							
ALUMINUM (AL)	mg/L	0.217	6	6	0.217	1.2	0.79	0.36
ARSENIC (AS)	mg/L	0.001	3	3	0.001	0.009	0.004	0.004
BARIUM (BA)	mg/L	0.076	11	11	0.033	0.085	0.06	0.02
BERYLLIUM (BE)	mg/L	-	0	0	-	0	-	0.02
BICARBONATE ALKALINITY AS HCO3	mg/L	710	11	11	110	710	378.18	196.20
BORON (B)	mg/L	0.18	11	11	0.06	0.4	0.22	0.12
CADMIUM (CD)	mg/L	-	2	2	0.00012	0.00019	0.00016	0.12
CALCIUM (CA)	mg/L	296	11	11	98	368	268.64	96.01
CARBONATE AS CO3	mg/L	13	2	2	13	16	14.50	96.01
CHLORIDE (CL)	mg/L	19	11	11	6	51	24.73	12.14
CHROMIUM (CR)	mg/L	-	4	4	0.001	0.005	0.0030	0.0018
COPPER (CU)	mg/L	0.003	11	11	0.003	0.014	0.006	0.004
FLUORIDE (F)	mg/L	0.3	11	11	0.2	1.4	0.48	0.36
IRON (FE)	mg/L	0.34	11	11	0.12	6.21	1.39	1.75
LEAD (PB)	mg/L	-	5	5	0.001	0.0057	0.0021	0.0020
MAGNESIUM (MG)	mg/L	368	11	11	59	896	381.64	225.93
MANGANESE (MN)	mg/L	0.021	11	11	0.021	2.09	0.64	0.75
MERCURY (HG)	mg/L	-	0	0	-	0	-	0.75
MOLYBDENUM (MO)	mg/L	-	2	2	0.005	0.005	0.005	0.75
NICKEL (NI)	mg/L	0.004	6	6	0.004	0.02	0.01	0.007
NITRATE + NITRITE AS N	mg/L	-	6	6	0.01	0.45	0.18	0.18
pH - LAB	s.u.	8.3	11	11	7	8.3	7.62	0.50
PHOSPHORUS (P)	mg/L	-	2	2	0.149	0.151	0.15	0.50
POTASSIUM (K)	mg/L	15	11	11	13	72	28.00	17.62
SC (UMHOS/CM AT 25 C)	umhos/cm	6380	11	11	1220	7470	5,206.36	2,191.34
SELENIUM (SE)	mg/L	0.003	8	8	0.001	0.024	0.004	0.008
SODIUM (NA)	mg/L	914	11	11	144	1850	896.27	431.52
SODIUM ADSORPTION RATIO	unitless	8.4	11	11	3.21	9.36	7.77	1.64
SULFATE (SO4)	mg/L	3600	11	11	480	5000	3,260.91	1,478.10
TDS (MEASURED AT 180 C)	mg/L	6130	11	11	868	7570	5,213.45	2,266.14
TOTAL ALKALINITY AS CACO3	mg/L	600	11	11	87	600	313.09	166.58
TOTAL AMMONIA (NH3+NH4 AS N)	mg/L	-	1	1	0.1	0.1	0.10	166.58
TOTAL SUSPENDED SOLIDS	mg/L	16	11	11	16	592	164.91	204.70
TURBIDITY (NTU) - LAB	NTU	4.9	11	11	2.9	323	74.10	114.03
VANADIUM (V)	mg/L	-	0	0	-	0	-	114.03
ZINC (ZN)	mg/L	0.015	9	9	0.015	0.44	0.13	0.13

Otter Creek Coal, LLC
Q2 2014 Water Quality Monitoring
Summary of Validation

Prepared by
Hydrometrics, Inc.
5602 Hesper Road
Billings, MT 59106

July 2014

Otter Creek Coal, LLC
Q2 2014 Water Quality Monitoring
Summary of Validation

Well and Surface Water Sampling Summary

Samples collected by Hydrometrics, Inc., and analyzed at Energy Laboratories in Helena, Montana.

- Sample event dates: 5/5/2014 through 7/8/2014

- Total number of samples taken at existing wells: 89 site samples, 4 field duplicates, 37 field observations (which includes piezometer well observations), 5 DI and rinsate blanks, for a total of 142 samples.

- Frequency for field duplicates was 1 per 22.25 and 1 per 17.8 for field blanks. Overall, frequency was approximately 1 QC sample taken for every 9.8 samples collected.

Violations involving field quality control:

- Sample OCC-1406-445 and its duplicate OCC-1406-446 had an RPD of 42% for the analyte Total Dissolved Solids (Method A2540C); an RPD of 25% for the analyte Carbonate as CO3 (Method A2320B); an RPD of 40% for the analyte Aluminum, TRC (Method E200.7/8); an RPD of 20% for the analyte Iron, DIS (Method E200.8); and an RPD of 22% for the analyte Manganese, DIS (Method E200.8). A validation qualifier J was placed on associated samples for these analytes for an RPD exceedance.

- Sample OCC-1405-155 and its duplicate OCC-1405-156 had an RPD of 33% for the analyte Total Suspended Solids (Method A2540D). A validation qualifier J was placed on associated samples for this analyte for an RPD exceedance.

Violations involving laboratory quality control:

- For batches H14050154, H14050292, H14050297, H14050407, H14060425, and H14070191 the pH analysis was initiated outside of the 15-minute EPA recommended holding time. However, as a rule, holding times for laboratory pH measurements are frequently exceeded because measurements are typically not conducted "immediately", but rather as soon as practicable. However, for the above batches, an immediate pH field measurement was taken as well. No validation qualifier is necessary.
- Sample OCC-1405-169 was flagged with laboratory qualifier "H" for exceeding the holding time for the analyte Total Dissolved Solids. A validation qualifier "H" was placed on this sample for this analyte for hold time exceedance.

Frequency requirements of one field blank and one field duplicate taken per 20 samples, or one per day, for the quarterly monitoring were not met. Recommended precision, and completeness

goals, were evaluated and met for the entire data set. Precision is the evaluation of the field duplicate parameters within control limits and was calculated at 99%. The project completeness goal, acceptance of 100% of the results as valid, has been met, as no results were rejected as a result of this review.

Additional Comments:

- Per the analytical parameters listed in Table 3-1 Analytic Parameters Otter Creek Coal, LLC-Groundwater and Table 2-2 Analytic Parameters Otter Creek Coal, LLC-Surface Water, Mercury, Total Recoverable Metals and Dissolved Metals, the EPA Method suggested is 200.7/200.8 Low Level. However, Energy Laboratories uses EPA Method 245.1.
- H14060425 and H14070191 were analyzed for Mercury, TRC as opposed to Mercury, TOT.

Attachments to Summary Report

- Included with this report are the following attachments:
  - Analysis Summary Report
  - Table 1. Data Validation Codes and Definitions
  - Table 2. Summary of Blanks
  - Table 3. Summary of Duplicates
  - Table 4. Summary Of Flagged Data
  - Table 5. Summary of Statistics

DATA VALIDATION REPORT
Prepared by: Angela Roddy

ATTACHMENTS

SUMMARY ANALYSES REPORT

			sys_loc_code	A1			A1			A1		
			sys_sample_code	OCC-1405-200			OCC-1406-177			OCC-1407-105		
			lab_sample_id	H14050292-001			HYDRO201406-008			HYDRO201407-005		
			sample_date	5/12/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	8.65			8.6			8.58		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.88			8.15			6.68		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.8	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2260			2390			2690		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2370								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.1			13.5			14.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1490								
E200.7	CALCIUM (CA)	DIS	mg/L	42								
E200.7	MAGNESIUM (MG)	DIS	mg/L	69								
E200.7	SODIUM (NA)	DIS	mg/L	411								
E200.7	POTASSIUM (K)	DIS	mg/L	21								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	690								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	840								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	74								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	570								
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	9.09								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.8	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	1.26	D							
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.038								
E200.8	BARIUM (BA)	DIS	mg/L	0.016								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.40								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	0.011								
E200.8	COPPER (CU)	DIS	mg/L	< 0.001								
E200.8	IRON (FE)	DIS	mg/L	< 0.02								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.011								
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002								
E200.8	SELENIUM (SE)	DIS	mg/L	0.004								
E200.8	VANADIUM (V)	DIS	mg/L	0.27								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	A3		
			sys_sample_code	OCC-1405-219		
			lab_sample_id	H14050292-020		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	5.01		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.97		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3260		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3310		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2640		
E200.7	CALCIUM (CA)	DIS	mg/L	129		
E200.7	MAGNESIUM (MG)	DIS	mg/L	203		
E200.7	SODIUM (NA)	DIS	mg/L	424		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	590		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	720		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1500		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.42		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.004		
E200.8	BARIUM (BA)	DIS	mg/L	0.016		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.52		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	2.28		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.256		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	A4		
			sys_sample_code	OCC-1405-220		
			lab_sample_id	H14050292-021		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	6.14		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.08		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3080		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3100		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2440		
E200.7	CALCIUM (CA)	DIS	mg/L	126		
E200.7	MAGNESIUM (MG)	DIS	mg/L	210		
E200.7	SODIUM (NA)	DIS	mg/L	373		
E200.7	POTASSIUM (K)	DIS	mg/L	16		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	520		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	640		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	5		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1400		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	4.74		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.11		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.018		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.45		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.7	MANGANESE (MN)	DIS	mg/L	1.38		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.007		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	A5		
			sys_sample_code	OCC-1405-225		
			lab_sample_id	H14050292-026		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	5.8		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.86		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3250		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3320		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	8.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2690		
E200.7	CALCIUM (CA)	DIS	mg/L	157		
E200.7	MAGNESIUM (MG)	DIS	mg/L	182		
E200.7	SODIUM (NA)	DIS	mg/L	424		
E200.7	POTASSIUM (K)	DIS	mg/L	12		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	580		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	710		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1500		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.45		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.5		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.017		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.29		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.34		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.007		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	A6		
			sys_sample_code	OCC-1405-213		
			lab_sample_id	H14050292-014		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	8.06		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.07		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5420		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5470		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4560		
E200.7	CALCIUM (CA)	DIS	mg/L	168		
E200.7	MAGNESIUM (MG)	DIS	mg/L	301		
E200.7	SODIUM (NA)	DIS	mg/L	838		
E200.7	POTASSIUM (K)	DIS	mg/L	26		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	740		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	910		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	14		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2800	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	8.95		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.018		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.43		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.7	MANGANESE (MN)	DIS	mg/L	1.16		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.009		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	A7		
			sys_sample_code	OCC-1405-218		
			lab_sample_id	H14050292-019		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	8.26		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.18		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3770		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3800		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2920		
E200.7	CALCIUM (CA)	DIS	mg/L	135		
E200.7	MAGNESIUM (MG)	DIS	mg/L	214		
E200.7	SODIUM (NA)	DIS	mg/L	536		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	600		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	730		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	11		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.69		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.018		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.42		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	5.71		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.522		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	A8		
			sys_sample_code	OCC-1406-444		
			lab_sample_id	H14060425-005		
			sample_date	6/18/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	5.75		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.69		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2582		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3610		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2520		J
E200.7	CALCIUM (CA)	DIS	mg/L	115		
E200.7	CALCIUM (CA)	TRC	mg/L	120		
E200.7	MAGNESIUM (MG)	DIS	mg/L	185		
E200.7	MAGNESIUM (MG)	TRC	mg/L	193		
E200.7	SODIUM (NA)	DIS	mg/L	529		
E200.7	SODIUM (NA)	TRC	mg/L	520		
E200.7	POTASSIUM (K)	DIS	mg/L	29		
E200.7	POTASSIUM (K)	TRC	mg/L	28		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	610		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	740		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		J
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	5		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1400	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	7.11		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.096		J
E200.8	ARSENIC (AS)	DIS	mg/L	0.004		
E200.8	ARSENIC (AS)	TRC	mg/L	0.004		
E200.8	BARIUM (BA)	DIS	mg/L	0.018		
E200.8	BARIUM (BA)	TRC	mg/L	0.020		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.43		
E200.7	BORON (B)	TRC	mg/L	0.44		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	4.95		J
E200.7	IRON (FE)	TRC	mg/L	5.46		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.354		J
E200.8	MANGANESE (MN)	TRC	mg/L	0.362		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	0.008		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	A9		
			sys_sample_code	OCC-1407-001		
			lab_sample_id	H14070191-001		
			sample_date	7/8/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	14.52		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.61		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3179		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3560		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	10.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2520		
E200.7	CALCIUM (CA)	DIS	mg/L	105		
E200.7	CALCIUM (CA)	TRC	mg/L	105		
E200.7	MAGNESIUM (MG)	DIS	mg/L	180		
E200.7	MAGNESIUM (MG)	TRC	mg/L	172		
E200.7	SODIUM (NA)	DIS	mg/L	428		
E200.7	SODIUM (NA)	TRC	mg/L	475		
E200.7	POTASSIUM (K)	DIS	mg/L	19		
E200.7	POTASSIUM (K)	TRC	mg/L	22		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	590		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	720		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	11		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1300		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.89		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.0	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.011		
E200.8	ALUMINUM (AL)	TRC	mg/L	1.17		
E200.8	ARSENIC (AS)	DIS	mg/L	0.002		
E200.8	ARSENIC (AS)	TRC	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.043		
E200.8	BARIUM (BA)	TRC	mg/L	0.070		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.47		
E200.7	BORON (B)	TRC	mg/L	0.47		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00006		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.004		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.005		
E200.7	IRON (FE)	DIS	mg/L	2.39		
E200.7	IRON (FE)	TRC	mg/L	4.11		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0018		
E200.7	MANGANESE (MN)	DIS	mg/L	0.646		
E200.7	MANGANESE (MN)	TRC	mg/L	0.663		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	0.008		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.004		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	0.012		
E200.8	ZINC (ZN)	TRC	mg/L	0.016		

			sys_loc_code	AVF1-2		
			sys_sample_code	OCC-1405-037		
			lab_sample_id	H14050297-018		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	8.2		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.43		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1744		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1740		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	10.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1100	L	
E200.7	CALCIUM (CA)	DIS	mg/L	57		
E200.7	MAGNESIUM (MG)	DIS	mg/L	69		
E200.7	SODIUM (NA)	DIS	mg/L	252		
E200.7	POTASSIUM (K)	DIS	mg/L	17		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	470		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	560		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	8		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	510		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.28		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.022		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.58		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.006		
E200.7	IRON (FE)	DIS	mg/L	1.47		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.190		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.010		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	AVF2-2		
			sys_sample_code	OCC-1405-036		
			lab_sample_id	H14050297-017		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	4.62		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.64		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3401		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3400		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2390	L	
E200.7	CALCIUM (CA)	DIS	mg/L	114		
E200.7	MAGNESIUM (MG)	DIS	mg/L	194		
E200.7	SODIUM (NA)	DIS	mg/L	449		
E200.7	POTASSIUM (K)	DIS	mg/L	22		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	460		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	560		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	2		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1600		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.93		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.004		
E200.8	BARIUM (BA)	DIS	mg/L	0.021		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.54		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	4.67		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.788		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	AVF3-2			AVF3-2		
			sys_sample_code	OCC-1405-209			OCC-1407-107		
			lab_sample_id	H14050292-010			HYDRO201407-007		
			sample_date	5/13/2014			7/16/2014		
			sample_type_code	N			N		
			WATER_LEVEL_DEPTH	9.05			10.3		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.85			5.78		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H				
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4650			4670		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4820					
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13.4			15.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4110					
E200.7	CALCIUM (CA)	DIS	mg/L	197					
E200.7	MAGNESIUM (MG)	DIS	mg/L	317					
E200.7	SODIUM (NA)	DIS	mg/L	636					
E200.7	POTASSIUM (K)	DIS	mg/L	25					
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	680					
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	830					
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1					
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1					
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	17					
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2500	D				
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.53					
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D				
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01					
E200.8	ALUMINUM (AL)	DIS	mg/L	0.019					
E200.8	ARSENIC (AS)	DIS	mg/L	0.003					
E200.8	BARIUM (BA)	DIS	mg/L	0.022					
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008					
E200.7	BORON (B)	DIS	mg/L	0.38					
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003					
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001					
E200.8	COPPER (CU)	DIS	mg/L	< 0.001					
E200.8	IRON (FE)	DIS	mg/L	1.64					
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003					
E200.7	MANGANESE (MN)	DIS	mg/L	1.64					
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005					
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005					
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002					
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001					
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01					
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008					

			sys_loc_code	AVF3-4			AVF3-4			AVF3-4		
			sys_sample_code	OCC-1405-180			OCC-1406-174			OCC-1407-106		
			lab_sample_id	HYDRO201405-012			HYDRO201406-005			HYDRO201407-006		
			sample_date	5/13/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	6.24			6.58			7.01		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.35			7.88			6.46		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3910			4000			3880		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11			11.5			12		

			sys_loc_code	AVF3-P1			AVF3-P1			AVF3-P1		
			sys_sample_code	OCC-1405-178			OCC-1406-172			OCC-1407-110		
			lab_sample_id	HYDRO201405-001			HYDRO201406-003			HYDRO201407-010		
			sample_date	5/13/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	8.38			8.65			9.52		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.86			7.49			6.75		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5120			5670			5800		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	10.1			17.1			24.6		

			sys_loc_code	AVF3-P2			AVF3-P2			AVF3-P2		
			sys_sample_code	OCC-1405-207			OCC-1406-175			OCC-1407-109		
			lab_sample_id	H14050292-008			HYDRO201406-006			HYDRO201407-009		
			sample_date	5/12/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	3.6			4.33			5.46		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.3			7.5			7.45		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.3	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	11390			9600			8640		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	12200								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	8.4			11.2			15.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	13100								
E200.7	CALCIUM (CA)	DIS	mg/L	402								
E200.7	MAGNESIUM (MG)	DIS	mg/L	991								
E200.7	SODIUM (NA)	DIS	mg/L	1930								
E200.7	POTASSIUM (K)	DIS	mg/L	24								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	900								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1100								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	64	D							
E300.0	SULFATE (SO4)	NO MEAS	mg/L	7500	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	11.7								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.002								
E200.8	BARIUM (BA)	DIS	mg/L	0.016								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.60								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.002								
E200.8	IRON (FE)	DIS	mg/L	0.62								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	5.21								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.006								
E200.8	NICKEL (NI)	DIS	mg/L	0.018								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF3-P3			AVF3-P3			AVF3-P3		
			sys_sample_code	OCC-1405-208			OCC-1406-173			OCC-1407-108		
			lab_sample_id	H14050292-009			HYDRO201406-004			HYDRO201407-008		
			sample_date	5/12/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	4.77			5.32			6.01		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.45			7.57			7.55		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	6840			6290			6400		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	7230								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	6.9			12.4			18.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	6730								
E200.7	CALCIUM (CA)	DIS	mg/L	286								
E200.7	MAGNESIUM (MG)	DIS	mg/L	451								
E200.7	SODIUM (NA)	DIS	mg/L	1180								
E200.7	POTASSIUM (K)	DIS	mg/L	20								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	800								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	980								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	49								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3600	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	10.1								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.6	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.029								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.38								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.002								
E200.8	IRON (FE)	DIS	mg/L	0.10								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	1.44								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.007								
E200.8	NICKEL (NI)	DIS	mg/L	0.006								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF4-1			AVF4-1		
			sys_sample_code	OCC-1406-185			OCC-1407-113		
			lab_sample_id	HYDRO201406-016			HYDRO201407-013		
			sample_date	6/17/2014			7/16/2014		
			sample_type_code	N			N		
			WATER_LEVEL_DEPTH	5.83			6.19		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.45			7.49		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5750			6020		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	7.44			12.9		

			sys_loc_code	AVF4-2			AVF4-2		
			sys_sample_code	OCC-1406-183			OCC-1407-114		
			lab_sample_id	HYDRO201406-014			HYDRO201407-014		
			sample_date	6/17/2014			7/16/2014		
			sample_type_code	N			N		
			WATER_LEVEL_DEPTH	13.41			13.71		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.98			7.81		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4050			4230		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13			12.1		

			sys_loc_code	AVF4-3		
			sys_sample_code	OCC-1407-115		
			lab_sample_id	HYDRO201407-015		
			sample_date	7/16/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	10.07		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	6.4		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	6360		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12		

			sys_loc_code	AVF4-P1			AVF4-P1			AVF4-P1		
			sys_sample_code	OCC-1405-216			OCC-1406-181			OCC-1407-116		
			lab_sample_id	H14050292-017			HYDRO201406-012			HYDRO201407-016		
			sample_date	5/14/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	11.8			12			12.35		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.46			8.16			6.82		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.0	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5870			5900			6150		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	6070								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	8.8			15.2			15.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4860								
E200.7	CALCIUM (CA)	DIS	mg/L	46								
E200.7	MAGNESIUM (MG)	DIS	mg/L	261								
E200.7	SODIUM (NA)	DIS	mg/L	1190								
E200.7	POTASSIUM (K)	DIS	mg/L	25								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	830								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	3								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	33								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2800	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	15.0								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	3.00	D							
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.011								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	1.27								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.001								
E200.8	IRON (FE)	DIS	mg/L	< 0.02								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.8	MANGANESE (MN)	DIS	mg/L	0.020								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.023								
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002								
E200.8	SELENIUM (SE)	DIS	mg/L	0.005								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF4-P2			AVF4-P2			AVF4-P2		
			sys_sample_code	OCC-1405-217			OCC-1406-184			OCC-1407-117		
			lab_sample_id	H14050292-018			HYDRO201406-015			HYDRO201407-017		
			sample_date	5/14/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	5.94			6.29			6.64		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.18			7.67			7.81		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5950			5860			4230		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	6250								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	7.3			14.8			12.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	5730								
E200.7	CALCIUM (CA)	DIS	mg/L	201								
E200.7	MAGNESIUM (MG)	DIS	mg/L	422								
E200.7	SODIUM (NA)	DIS	mg/L	973								
E200.7	POTASSIUM (K)	DIS	mg/L	23								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	840								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	15								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3500	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	8.95								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.002								
E200.8	BARIUM (BA)	DIS	mg/L	0.017								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.52								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	< 0.001								
E200.8	IRON (FE)	DIS	mg/L	0.66								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	2.63								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.012								
E200.8	NICKEL (NI)	DIS	mg/L	0.010								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF4-P3			AVF4-P3		
			sys_sample_code	OCC-1406-182			OCC-1407-118		
			lab_sample_id	HYDRO201406-013			HYDRO201407-018		
			sample_date	6/17/2014			7/16/2014		
			sample_type_code	N			N		
			WATER_LEVEL_DEPTH	13.44			13.65		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.5			6.5		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4950			4830		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.5			21		

			sys_loc_code	AVF5-1		
			sys_sample_code	OCC-1405-038		
			lab_sample_id	H14050297-019		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	12.17		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.22		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1658		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1660		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1110	L	
E200.7	CALCIUM (CA)	DIS	mg/L	87		
E200.7	MAGNESIUM (MG)	DIS	mg/L	94		
E200.7	SODIUM (NA)	DIS	mg/L	172		
E200.7	POTASSIUM (K)	DIS	mg/L	14		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	440		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	530		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	520		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	3.05		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	1.38		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.025		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.69		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.034		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.002		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	AVF6-3		
			sys_sample_code	OCC-1405-202		
			lab_sample_id	H14050292-003		
			sample_date	5/12/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	12.43		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.63		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2970		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3020		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2120		
E200.7	CALCIUM (CA)	DIS	mg/L	105		
E200.7	MAGNESIUM (MG)	DIS	mg/L	145		
E200.7	SODIUM (NA)	DIS	mg/L	448		
E200.7	POTASSIUM (K)	DIS	mg/L	22		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	600		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	730		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	8		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1100		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.64		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.82		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.006		
E200.8	BARIUM (BA)	DIS	mg/L	0.021		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.52		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.185		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.003		
E200.8	VANADIUM (V)	DIS	mg/L	0.10		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	AVF7-P1			AVF7-P1			AVF7-P1		
			sys_sample_code	OCC-1405-204			OCC-1406-179			OCC-1407-101		
			lab_sample_id	H14050292-005			HYDRO201406-010			HYDRO201407-001		
			sample_date	5/12/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	11.08			11.33			11.71		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.64			7.84			7.05		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3490			3230			3140		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3270								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.1			12.2			12.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2340								
E200.7	CALCIUM (CA)	DIS	mg/L	74								
E200.7	MAGNESIUM (MG)	DIS	mg/L	150								
E200.7	SODIUM (NA)	DIS	mg/L	517								
E200.7	POTASSIUM (K)	DIS	mg/L	23								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	750								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	920								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	16								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1200								
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	7.92								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9								
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.60								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.019								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.57								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	0.003								
E200.8	COPPER (CU)	DIS	mg/L	0.001								
E200.8	IRON (FE)	DIS	mg/L	< 0.02								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.8	MANGANESE (MN)	DIS	mg/L	0.016								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005								
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002								
E200.8	SELENIUM (SE)	DIS	mg/L	0.004								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	0.020								

			sys_loc_code	AVF7-P2			AVF7-P2			AVF7-P2		
			sys_sample_code	OCC-1405-206			OCC-1406-180			OCC-1407-102		
			lab_sample_id	H14050292-007			HYDRO201406-011			HYDRO201407-002		
			sample_date	5/12/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	12.6			12.8			13.07		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.95			7.97			6.64		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.8	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3410			3440			3790		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3590								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.7			18.5			18.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2670								
E200.7	CALCIUM (CA)	DIS	mg/L	53								
E200.7	MAGNESIUM (MG)	DIS	mg/L	122								
E200.7	SODIUM (NA)	DIS	mg/L	675								
E200.7	POTASSIUM (K)	DIS	mg/L	24								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	800								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	970								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	19								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1300								
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	11.6								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.4	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	1.06								
E200.8	ALUMINUM (AL)	DIS	mg/L	0.011								
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.034								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.52								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.002								
E200.8	IRON (FE)	DIS	mg/L	< 0.02								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.8	MANGANESE (MN)	DIS	mg/L	0.087								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.017								
E200.8	NICKEL (NI)	DIS	mg/L	0.003								
E200.8	SELENIUM (SE)	DIS	mg/L	0.005								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF7-P3			AVF7-P3			AVF7-P3		
			sys_sample_code	OCC-1405-203			OCC-1406-176			OCC-1407-103		
			lab_sample_id	H14050292-004			HYDRO201406-007			HYDRO201407-003		
			sample_date	5/12/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	4.94			5.14			5.58		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.47			7.87			7.59		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	7870			8180			8610		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	8020								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	8.2			13.2			14.5		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	6880								
E200.7	CALCIUM (CA)	DIS	mg/L	146								
E200.7	MAGNESIUM (MG)	DIS	mg/L	410								
E200.7	SODIUM (NA)	DIS	mg/L	1390								
E200.7	POTASSIUM (K)	DIS	mg/L	24								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	800								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	980								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	19								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	4200	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	13.3								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.018								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.75								
E200.8	CADMIUM (CD)	DIS	mg/L	0.00026								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.002								
E200.8	IRON (FE)	DIS	mg/L	0.10								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	4.28								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008								
E200.8	NICKEL (NI)	DIS	mg/L	0.014								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	0.016								

			sys_loc_code	AVF7-P4			AVF7-P4			AVF7-P4		
			sys_sample_code	OCC-1405-201			OCC-1406-178			OCC-1407-104		
			lab_sample_id	H14050292-002			HYDRO201406-009			HYDRO201407-004		
			sample_date	5/12/2014			6/17/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	5.75			6.1			6.65		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.43			7.55			6.93		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.3	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	13290			13060			11750		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	14000								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	7.1			13.1			16.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	13900								
E200.7	CALCIUM (CA)	DIS	mg/L	325								
E200.7	MAGNESIUM (MG)	DIS	mg/L	950								
E200.7	SODIUM (NA)	DIS	mg/L	2750	D							
E200.7	POTASSIUM (K)	DIS	mg/L	28								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	920								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1100								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	25	D							
E300.0	SULFATE (SO4)	NO MEAS	mg/L	8400	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	17.4								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.05								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.003								
E200.8	BARIUM (BA)	DIS	mg/L	0.019								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	1.03								
E200.8	CADMIUM (CD)	DIS	mg/L	0.00005								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	0.003								
E200.7	IRON (FE)	DIS	mg/L	1.57								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	5.63								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.009								
E200.8	NICKEL (NI)	DIS	mg/L	0.023								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	0.013								

			sys_loc_code	AVF8-P3			AVF8-P3			AVF8-P3		
			sys_sample_code	OCC-1405-215			OCC-1406-171			OCC-1407-112		
			lab_sample_id	H14050292-016			HYDRO201406-002			HYDRO201407-012		
			sample_date	5/13/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	6.72			7.08			7.61		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.2			7.5			7.57		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4120			4440			4780		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4340								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	7			12.8			13.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3590								
E200.7	CALCIUM (CA)	DIS	mg/L	151								
E200.7	MAGNESIUM (MG)	DIS	mg/L	285								
E200.7	SODIUM (NA)	DIS	mg/L	591								
E200.7	POTASSIUM (K)	DIS	mg/L	21								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	600								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	730								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	13								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2100	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.53								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.019								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.48								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001								
E200.8	COPPER (CU)	DIS	mg/L	< 0.001								
E200.8	IRON (FE)	DIS	mg/L	0.04								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.7	MANGANESE (MN)	DIS	mg/L	2.50								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.008								
E200.8	NICKEL (NI)	DIS	mg/L	0.006								
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008								

			sys_loc_code	AVF8-P4			AVF8-P4			AVF8-P4		
			sys_sample_code	OCC-1405-214			OCC-1406-170			OCC-1407-111		
			lab_sample_id	H14050292-015			HYDRO201406-001			HYDRO201407-011		
			sample_date	5/13/2014			6/16/2014			7/16/2014		
			sample_type_code	N			N			N		
			WATER_LEVEL_DEPTH	8.01			8.22			8.58		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.24			7.5			5.85		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.7	H							
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	6040			6260			6200		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	6370								
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	8.8			12.6			15.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	5500								
E200.7	CALCIUM (CA)	DIS	mg/L	156								
E200.7	MAGNESIUM (MG)	DIS	mg/L	376								
E200.7	SODIUM (NA)	DIS	mg/L	1080								
E200.7	POTASSIUM (K)	DIS	mg/L	33								
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	790								
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	960								
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1								
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1								
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	19								
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3400	D							
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	10.6								
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D							
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.30								
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009								
E200.8	ARSENIC (AS)	DIS	mg/L	0.001								
E200.8	BARIUM (BA)	DIS	mg/L	0.019								
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008								
E200.7	BORON (B)	DIS	mg/L	0.73								
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003								
E200.8	CHROMIUM (CR)	DIS	mg/L	0.002								
E200.8	COPPER (CU)	DIS	mg/L	0.001								
E200.8	IRON (FE)	DIS	mg/L	< 0.02								
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003								
E200.8	MANGANESE (MN)	DIS	mg/L	0.072								
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005								
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.012								
E200.8	NICKEL (NI)	DIS	mg/L	0.002								
E200.8	SELENIUM (SE)	DIS	mg/L	0.002								
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01								
E200.8	ZINC (ZN)	DIS	mg/L	0.049								

			sys_loc_code	B10-KL		
			sys_sample_code	OCC-1405-029		
			lab_sample_id	H14050297-010		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	60.7		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.32		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1436		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1460		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	858	L	
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	355		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	770		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	870		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	33		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	28		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	45.3		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.8	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.074		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.138		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.09		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.06		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.012		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B10-KU		
			sys_sample_code	OCC-1405-027		
			lab_sample_id	H14050297-008		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	47.36		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.11		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5110		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5140		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3770	L	
E200.7	CALCIUM (CA)	DIS	mg/L	87		
E200.7	MAGNESIUM (MG)	DIS	mg/L	38		
E200.7	SODIUM (NA)	DIS	mg/L	1150		
E200.7	POTASSIUM (K)	DIS	mg/L	13		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	1100		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1400		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	25.9		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.4	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.014		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.28		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.60		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.041		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B10-O		
			sys_sample_code	OCC-1405-028		
			lab_sample_id	H14050297-009		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	28.76		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	5.58		
A4500-HB	pH - LAB	NO MEAS	s.u.	5.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3403		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3400		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3390	L	
E200.7	CALCIUM (CA)	DIS	mg/L	26		
E200.7	MAGNESIUM (MG)	DIS	mg/L	25		
E200.7	SODIUM (NA)	DIS	mg/L	767		
E200.8	POTASSIUM (K)	DIS	mg/L	6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	290		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	360		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
A2310B	TOTAL ACIDITY AS CACO3	NO MEAS	mg/L	230	D	
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	11		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1300		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.76	D	
E200.7	ALUMINUM (AL)	DIS	mg/L	3.89	D	
E200.8	ARSENIC (AS)	DIS	mg/L	0.182		
E200.8	BARIUM (BA)	DIS	mg/L	0.070		
E200.8	BERYLLIUM (BE)	DIS	mg/L	0.0013		
E200.7	BORON (B)	DIS	mg/L	0.33	D	
E200.8	CADMIUM (CD)	DIS	mg/L	0.00043	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	0.010		
E200.8	COPPER (CU)	DIS	mg/L	0.013		
E200.7	IRON (FE)	DIS	mg/L	26.7	D	
E200.8	LEAD (PB)	DIS	mg/L	0.0123		
E200.8	MANGANESE (MN)	DIS	mg/L	0.085		
E245.1	MERCURY (HG)	DIS	mg/L	0.000092		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.020		
E200.8	NICKEL (NI)	DIS	mg/L	0.027		
E200.8	SELENIUM (SE)	DIS	mg/L	0.003		
E200.8	VANADIUM (V)	DIS	mg/L	0.03		
E200.8	ZINC (ZN)	DIS	mg/L	0.047		

			sys_loc_code	B10-U		
			sys_sample_code	OCC-1405-026		
			lab_sample_id	H14050297-007		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	68.01		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.34		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1341		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1400		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.5		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	793	L	
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	324		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	670		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	760		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	26		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	66		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	43.5		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.4	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.134		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.16		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.06		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.033		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B11-K		
			sys_sample_code	OCC-1405-012		
			lab_sample_id	H14050154-012		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	190.66		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.23		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1127		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1090		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.5		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	657		
E200.7	CALCIUM (CA)	DIS	mg/L	1		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	275		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	600		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	710		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	12		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	52.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.041		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.110		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BORON (B)	DIS	mg/L	0.13		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.012		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B11-O		
			sys_sample_code	OCC-1405-013		
			lab_sample_id	H14050154-013		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	111.39		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.51		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	7560		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	7430		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	5710		
E200.7	CALCIUM (CA)	DIS	mg/L	72		
E200.7	MAGNESIUM (MG)	DIS	mg/L	40		
E200.7	SODIUM (NA)	DIS	mg/L	1770		
E200.7	POTASSIUM (K)	DIS	mg/L	11		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	690		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	840		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3200	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	41.4		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.67		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.029		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.032		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BORON (B)	DIS	mg/L	0.20		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.126		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.004		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	0.015		

			sys_loc_code	B11-U		
			sys_sample_code	OCC-1405-014		
			lab_sample_id	H14050154-014		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	175.93		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.69		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1003		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	963		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	567		
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	242		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	530		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	610		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	18		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	8		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	38.1		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.6	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.066		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BORON (B)	DIS	mg/L	0.11		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B12-CO		
			sys_sample_code	OCC-1406-442		
			lab_sample_id	H14060425-003		
			sample_date	6/17/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	29.35		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.89		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5440		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5570		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	21.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4460		
E200.7	CALCIUM (CA)	DIS	mg/L	200		
E200.7	CALCIUM (CA)	TRC	mg/L	219		
E200.7	MAGNESIUM (MG)	DIS	mg/L	448		
E200.7	MAGNESIUM (MG)	TRC	mg/L	455		
E200.7	SODIUM (NA)	DIS	mg/L	712		
E200.7	SODIUM (NA)	TRC	mg/L	705		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	25		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	520		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	630		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3000	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.40		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.58		
E200.7	ALUMINUM (AL)	TRC	mg/L	20.4	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	0.024		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.019		
E200.8	BARIUM (BA)	DIS	mg/L	0.021		
E200.8	BARIUM (BA)	TRC	mg/L	0.318		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0010		
E200.7	BORON (B)	DIS	mg/L	0.44		
E200.7	BORON (B)	TRC	mg/L	0.43		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00020	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.041		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.056		
E200.7	IRON (FE)	TRC	mg/L	32.3		
E200.8	IRON (FE)	DIS	mg/L	0.04		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0336		
E200.8	MANGANESE (MN)	DIS	mg/L	0.014		
E200.8	MANGANESE (MN)	TRC	mg/L	0.413		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	0.00022		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	0.007		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	NICKEL (NI)	TRC	mg/L	0.029		
E200.8	SELENIUM (SE)	DIS	mg/L	0.022		
E200.8	SELENIUM (SE)	TRC	mg/L	0.019		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	0.06		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.081		

			sys_loc_code	B12-LK		
			sys_sample_code	OCC-1406-440		
			lab_sample_id	H14060425-001		
			sample_date	6/16/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	103.38		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.45		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2255		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2590		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1700		
E200.7	CALCIUM (CA)	DIS	mg/L	36		
E200.7	CALCIUM (CA)	TRC	mg/L	45		
E200.7	MAGNESIUM (MG)	DIS	mg/L	52		
E200.7	MAGNESIUM (MG)	TRC	mg/L	61		
E200.7	SODIUM (NA)	DIS	mg/L	490		
E200.7	SODIUM (NA)	TRC	mg/L	502		
E200.7	POTASSIUM (K)	DIS	mg/L	3		
E200.7	POTASSIUM (K)	TRC	mg/L	5		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	350		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	430		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	3		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	880		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	12.2		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.7	ALUMINUM (AL)	TRC	mg/L	16.8	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	0.146		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.004		
E200.8	BARIUM (BA)	DIS	mg/L	0.030		
E200.8	BARIUM (BA)	TRC	mg/L	0.609		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0010		
E200.7	BORON (B)	DIS	mg/L	0.16		
E200.7	BORON (B)	TRC	mg/L	0.18		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00004	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.003		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.006		
E200.7	IRON (FE)	TRC	mg/L	6.14		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0122		
E200.8	MANGANESE (MN)	DIS	mg/L	0.061		
E200.8	MANGANESE (MN)	TRC	mg/L	0.104		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	0.0000096		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.018		

			sys_loc_code	B12-U		
			sys_sample_code	OCC-1406-441		
			lab_sample_id	H14060425-002		
			sample_date	6/17/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	105.82		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.28		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1630		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1600		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	956		
E200.7	CALCIUM (CA)	DIS	mg/L	4		
E200.7	CALCIUM (CA)	TRC	mg/L	6		
E200.7	MAGNESIUM (MG)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	TRC	mg/L	3		
E200.7	SODIUM (NA)	DIS	mg/L	335		
E200.7	SODIUM (NA)	TRC	mg/L	348		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
E200.7	POTASSIUM (K)	TRC	mg/L	3		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	320		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	370		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	8		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	8		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	450		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	34.5		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.0	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.7	ALUMINUM (AL)	DIS	mg/L	0.922		
E200.7	ALUMINUM (AL)	TRC	mg/L	7.14	D	
E200.8	ARSENIC (AS)	DIS	mg/L	0.006		
E200.8	ARSENIC (AS)	TRC	mg/L	0.007		
E200.8	BARIUM (BA)	DIS	mg/L	0.022		
E200.8	BARIUM (BA)	TRC	mg/L	0.183		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.10		
E200.7	BORON (B)	TRC	mg/L	0.11		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00004	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.003		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.004		
E200.7	IRON (FE)	TRC	mg/L	2.94		
E200.8	IRON (FE)	DIS	mg/L	0.23		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0051		
E200.8	MANGANESE (MN)	DIS	mg/L	0.011		
E200.8	MANGANESE (MN)	TRC	mg/L	0.045		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	0.0000087		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.015		

			sys_loc_code	B12-UK1			B12-UK1		
			sys_sample_code	OCC-1406-445			OCC-1406-446		
			lab_sample_id	H14060425-006			H14060425-007		
			sample_date	6/18/2014			6/18/2014		
			sample_type_code	N			D		
			WATER_LEVEL_DEPTH	81.16			81.16		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.4					
A4500-HB	pH - LAB	NO MEAS	s.u.	8.2	H		8.2	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3166					
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3520			3530		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	19.3					
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1450		J	2220		
E200.7	CALCIUM (CA)	TRC	mg/L				77		
E200.8	CALCIUM (CA)	DIS	mg/L	18			20		
E200.8	CALCIUM (CA)	TRC	mg/L	93					
E200.7	MAGNESIUM (MG)	TRC	mg/L				54		
E200.8	MAGNESIUM (MG)	DIS	mg/L	13			14		
E200.8	MAGNESIUM (MG)	TRC	mg/L	54					
E200.7	SODIUM (NA)	DIS	mg/L	771					
E200.7	SODIUM (NA)	TRC	mg/L				841		
E200.8	SODIUM (NA)	DIS	mg/L				743		
E200.8	SODIUM (NA)	TRC	mg/L	885					
E200.7	POTASSIUM (K)	TRC	mg/L				13		
E200.8	POTASSIUM (K)	DIS	mg/L	3			4		
E200.8	POTASSIUM (K)	TRC	mg/L	14					
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	630			600		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	740			700		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	14		J	18		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1			< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6			7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1200			1200		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	34.8			35.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	D		1.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03			0.03		
E200.7	ALUMINUM (AL)	TRC	mg/L				118	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	2.82			3.14		
E200.8	ALUMINUM (AL)	TRC	mg/L	79.1	D	J			
E200.8	ARSENIC (AS)	DIS	mg/L	0.004			0.004		
E200.8	ARSENIC (AS)	TRC	mg/L	0.028			0.024		
E200.7	BARIUM (BA)	TRC	mg/L				3.00		
E200.8	BARIUM (BA)	DIS	mg/L	0.051			0.058		
E200.8	BARIUM (BA)	TRC	mg/L	3.55					
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0087			0.0079		
E200.7	BORON (B)	TRC	mg/L				0.35		
E200.8	BORON (B)	DIS	mg/L	0.13			0.15		
E200.8	BORON (B)	TRC	mg/L	0.33					
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			0.00005		
E200.8	CADMIUM (CD)	TRC	mg/L	0.0004	D		0.0005	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	0.002			0.002		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.044			0.050		
E200.8	COPPER (CU)	DIS	mg/L	0.002			0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.059	D		0.050		
E200.7	IRON (FE)	TRC	mg/L				44.7		
E200.8	IRON (FE)	DIS	mg/L	0.81		J	0.99		
E200.8	IRON (FE)	TRC	mg/L	37.8					
E200.8	LEAD (PB)	DIS	mg/L	0.0010			0.0011		
E200.8	LEAD (PB)	TRC	mg/L	0.0788			0.0708		
E200.8	MANGANESE (MN)	DIS	mg/L	0.032		J	0.040		
E200.8	MANGANESE (MN)	TRC	mg/L	0.572			0.558		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	0.000074			0.000082		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.013			0.014		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	0.005			< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002			0.003		
E200.8	NICKEL (NI)	TRC	mg/L	0.040			0.035		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	0.002			0.002		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	0.03			0.04		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.152			0.127		

			sys_loc_code	B12-UK2		
			sys_sample_code	OCC-1406-443		
			lab_sample_id	H14060425-004		
			sample_date	6/17/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	42.73		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.81		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5630		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5520		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4660		
E200.7	CALCIUM (CA)	DIS	mg/L	199		
E200.7	CALCIUM (CA)	TRC	mg/L	219		
E200.7	MAGNESIUM (MG)	DIS	mg/L	443		
E200.7	MAGNESIUM (MG)	TRC	mg/L	473		
E200.7	SODIUM (NA)	DIS	mg/L	693		
E200.7	SODIUM (NA)	TRC	mg/L	680		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	22		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	470		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	570		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3000	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.26		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.6	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.36		
E200.7	ALUMINUM (AL)	TRC	mg/L	7.81	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.005		
E200.8	BARIUM (BA)	DIS	mg/L	0.022		
E200.8	BARIUM (BA)	TRC	mg/L	0.161		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.38		
E200.7	BORON (B)	TRC	mg/L	0.39		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00008	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.019		
E200.8	COPPER (CU)	DIS	mg/L	0.009		
E200.8	COPPER (CU)	TRC	mg/L	0.039		
E200.7	IRON (FE)	TRC	mg/L	10.9		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0106		
E200.8	MANGANESE (MN)	DIS	mg/L	0.082		
E200.8	MANGANESE (MN)	TRC	mg/L	0.182		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TRC	mg/L	0.000068		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	NICKEL (NI)	TRC	mg/L	0.010		
E200.8	SELENIUM (SE)	DIS	mg/L	0.016		
E200.8	SELENIUM (SE)	TRC	mg/L	0.013		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	0.02		
E200.8	ZINC (ZN)	DIS	mg/L	0.016		
E200.8	ZINC (ZN)	TRC	mg/L	0.045		

			sys_loc_code	B1-C		
			sys_sample_code	OCC-1405-040		
			lab_sample_id	H14050297-021		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	37.36		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.99		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1999		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2050		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1460	L	
E200.7	CALCIUM (CA)	DIS	mg/L	97		
E200.7	MAGNESIUM (MG)	DIS	mg/L	141		
E200.7	SODIUM (NA)	DIS	mg/L	186		
E200.7	POTASSIUM (K)	DIS	mg/L	17		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	440		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	510		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	14		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	800		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	2.83		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	1.57	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.010		
E200.8	BARIUM (BA)	DIS	mg/L	0.075		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.45		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.007		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.004		
E200.8	VANADIUM (V)	DIS	mg/L	0.05		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B1-U		
			sys_sample_code	OCC-1405-039		
			lab_sample_id	H14050297-020		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	37.44		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.46		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1549		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1510		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1040	L	
E200.7	CALCIUM (CA)	DIS	mg/L	74		
E200.7	MAGNESIUM (MG)	DIS	mg/L	113		
E200.7	SODIUM (NA)	DIS	mg/L	109		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	290		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	340		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	4		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	590		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	1.85		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.59		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.036		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	1.19		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.16		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.024		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.018		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.002		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B2-K		
			sys_sample_code	OCC-1405-024		
			lab_sample_id	H14050297-005		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	234.3		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.69		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4769		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4770		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3220	L	
E200.7	CALCIUM (CA)	DIS	mg/L	21		
E200.7	MAGNESIUM (MG)	DIS	mg/L	8		
E200.7	SODIUM (NA)	DIS	mg/L	1160		
E200.7	POTASSIUM (K)	DIS	mg/L	5		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	1200		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	200		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1300	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	54.2		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.1	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.015		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.17		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.19		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.027		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B2-U		
			sys_sample_code	OCC-1405-025		
			lab_sample_id	H14050297-006		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	281.85		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.46		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1189		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1190		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	684	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	288		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	590		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	670		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	24		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	35		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	46.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.070		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.14		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.07		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.017		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B3-K		
			sys_sample_code	OCC-1405-033		
			lab_sample_id	H14050297-014		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	194.25		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	6.43		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	6800		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	6760		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	5210	L	
E200.7	CALCIUM (CA)	DIS	mg/L	168		
E200.7	MAGNESIUM (MG)	DIS	mg/L	75		
E200.7	SODIUM (NA)	DIS	mg/L	1450		
E200.7	POTASSIUM (K)	DIS	mg/L	10		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	860		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	990		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	25		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	33		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3000	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	23.4		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.2		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.05		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.063		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.017		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.56		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	0.96		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.126		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B3-U		
			sys_sample_code	OCC-1405-034		
			lab_sample_id	H14050297-015		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	194.93		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.43		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1172		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1170		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	711	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	290		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	620		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	710		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	27		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	13		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	41.6		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.0	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.508		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.050		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.15		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.21		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.014		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B4-K		
			sys_sample_code	OCC-1405-030		
			lab_sample_id	H14050297-011		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	150.04		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.17		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5160		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5140		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3710	L	
E200.7	CALCIUM (CA)	DIS	mg/L	77		
E200.7	MAGNESIUM (MG)	DIS	mg/L	40		
E200.7	SODIUM (NA)	DIS	mg/L	1160		
E200.7	POTASSIUM (K)	DIS	mg/L	8		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	760		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	890		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	18		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	2000	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	26.7		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.4	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.009		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.20		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.32		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.043		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B4-O		
			sys_sample_code	OCC-1405-032		
			lab_sample_id	H14050297-013		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	121.77		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	6.68		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.2	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4254		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4310		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12.2		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3420	L	
E200.7	CALCIUM (CA)	DIS	mg/L	157		
E200.7	MAGNESIUM (MG)	DIS	mg/L	413		
E200.7	SODIUM (NA)	DIS	mg/L	429		
E200.7	POTASSIUM (K)	DIS	mg/L	10		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	1000		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1300		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	11		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1800	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	4.08		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.010		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.16		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.30		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.041		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B4-U		
			sys_sample_code	OCC-1405-031		
			lab_sample_id	H14050297-012		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	182.16		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.08		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2232		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2230		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1380	L	
E200.7	CALCIUM (CA)	DIS	mg/L	7		
E200.7	MAGNESIUM (MG)	DIS	mg/L	2		
E200.7	SODIUM (NA)	DIS	mg/L	535		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	640		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	730		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	25		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	17		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	520		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	45.9		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.1	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.328		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.015		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.13		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.11		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.015		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B5-K		
			sys_sample_code	OCC-1405-007		
			lab_sample_id	H14050154-007		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	188.99		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.1		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1378		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1340		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	829		
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	333		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	750		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	900		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	9		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	53.1		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.8	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.074		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.094		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.16		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.010		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B5-O		
			sys_sample_code	OCC-1405-006		
			lab_sample_id	H14050154-006		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	147.83		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.53		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2525		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2490		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1660		
E200.7	CALCIUM (CA)	DIS	mg/L	8		
E200.7	MAGNESIUM (MG)	DIS	mg/L	3		
E200.7	SODIUM (NA)	DIS	mg/L	612		
E200.7	POTASSIUM (K)	DIS	mg/L	3		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	950		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1200		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	49		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	390		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	47.2		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	3.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.13		
E200.7	ALUMINUM (AL)	DIS	mg/L	0.434		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.034		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.19		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.16		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.112		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.004		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B5-U			B5-U		
			sys_sample_code	OCC-1405-004			OCC-1405-005		
			lab_sample_id	H14050154-004			H14050154-005		
			sample_date	5/5/2014			5/5/2014		
			sample_type_code	N			D		
			WATER_LEVEL_DEPTH	159.88			159.88		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.69					
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H		8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1105					
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1060			1060		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.1					
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	641			642		
E200.7	CALCIUM (CA)	DIS	mg/L	2			2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1			< 1		
E200.7	SODIUM (NA)	DIS	mg/L	264			259		
E200.8	POTASSIUM (K)	DIS	mg/L	2			2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	550			550		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	640			640		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	15			16		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1			< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	26			26		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1			< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	46.4			46.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.1	D		2.1	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01			< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009			< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001			< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.076			0.077		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.16			0.16		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001			< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001			< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02			< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003			< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.009			0.009		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005			< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002			< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008		

			sys_loc_code	B6-K		
			sys_sample_code	OCC-1405-003		
			lab_sample_id	H14050154-003		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	128.56		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.05		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1507		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1500		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	946		
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	1		
E200.7	SODIUM (NA)	DIS	mg/L	379		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	830		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	990		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	12		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	21		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	48.6		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.012		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.104		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.13		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B6-O		
			sys_sample_code	OCC-1405-001		
			lab_sample_id	H14050154-001		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	95.61		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.15		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5550		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5500		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	4140		
E200.7	CALCIUM (CA)	DIS	mg/L	27		
E200.7	MAGNESIUM (MG)	DIS	mg/L	14		
E200.7	SODIUM (NA)	DIS	mg/L	1290		
E200.7	POTASSIUM (K)	DIS	mg/L	6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	1300		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1100		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	240		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	11		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	50.2		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.7	ALUMINUM (AL)	DIS	mg/L	0.262		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.012		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.22		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	0.10		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.056		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.004		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	0.009		

			sys_loc_code	B6-U		
			sys_sample_code	OCC-1405-002		
			lab_sample_id	H14050154-002		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	150.67		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.64		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	993		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	964		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	588		
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	238		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	530		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	610		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	15		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	9		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	43.9		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.0	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03		
E200.7	ALUMINUM (AL)	DIS	mg/L	0.383		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.023		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.12		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.07		
E200.8	LEAD (PB)	DIS	mg/L	0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B7-KL		
			sys_sample_code	OCC-1405-011		
			lab_sample_id	H14050154-011		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	206.91		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.61		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1574		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1510		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	955		
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	334		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	320		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	380		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	9		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	440		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	43.8		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.7	ALUMINUM (AL)	DIS	mg/L	0.309		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.013		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BORON (B)	DIS	mg/L	0.10		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.04		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.009		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B7-KU		
			sys_sample_code	OCC-1405-010		
			lab_sample_id	H14050154-010		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	193.96		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.13		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1613		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1570		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	972		
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	1		
E200.7	SODIUM (NA)	DIS	mg/L	387		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	810		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	960		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	15		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	70		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	47.8		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.018		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.068		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.11		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.014		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B7-O		
			sys_sample_code	OCC-1405-009		
			lab_sample_id	H14050154-009		
			sample_date	5/6/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	173.41		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.77		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.2	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5110		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4880		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3490		
E200.7	CALCIUM (CA)	DIS	mg/L	21		
E200.7	MAGNESIUM (MG)	DIS	mg/L	10		
E200.7	SODIUM (NA)	DIS	mg/L	1170		
E200.7	POTASSIUM (K)	DIS	mg/L	6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	880		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1100		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	9		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	53.1		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.0	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.011		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.013		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.15		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.10		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.040		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B7-U		
			sys_sample_code	OCC-1405-017		
			lab_sample_id	H14050297-023		
			sample_date	5/12/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	213.71		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.77		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	922		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	940		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	572	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	235		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	480		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	530		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	24		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	9		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	8		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	42.4		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.091		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.069		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.10		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.04		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.013		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B8-KL		
			sys_sample_code	OCC-1405-019		
			lab_sample_id	H14050297-025		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	175.35		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.47		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1742		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1660		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1040	L	
E200.7	CALCIUM (CA)	DIS	mg/L	5		
E200.7	MAGNESIUM (MG)	DIS	mg/L	2		
E200.7	SODIUM (NA)	DIS	mg/L	393		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	490		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	560		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	20		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	22		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	350		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	36.9		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.023		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.12		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.009		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B8-KU		
			sys_sample_code	OCC-1405-021		
			lab_sample_id	H14050297-002		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	76.32		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	6.9		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3376		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3310		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2510	L	
E200.7	CALCIUM (CA)	DIS	mg/L	164		
E200.7	MAGNESIUM (MG)	DIS	mg/L	171		
E200.7	SODIUM (NA)	DIS	mg/L	429		
E200.7	POTASSIUM (K)	DIS	mg/L	8		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	550		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	670		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1400		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.59		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.3	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.015		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.42		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	1.40		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.086		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B8-O		
			sys_sample_code	OCC-1405-022		
			lab_sample_id	H14050297-003		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	74.76		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.18		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.8	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2647		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2650		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12.5		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2020	L	
E200.7	CALCIUM (CA)	DIS	mg/L	88		
E200.7	MAGNESIUM (MG)	DIS	mg/L	208		
E200.7	SODIUM (NA)	DIS	mg/L	276		
E200.7	POTASSIUM (K)	DIS	mg/L	6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	410		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	500		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	8		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1200		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	3.66		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.004		
E200.8	BARIUM (BA)	DIS	mg/L	0.012		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.28		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.13		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.070		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B8-U		
			sys_sample_code	OCC-1405-020		
			lab_sample_id	H14050297-001		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	149.34		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.63		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1205		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1160		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	16.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	659	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	280		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	570		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	650		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	21		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	40		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	44.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.087		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.13		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.011		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B9-K		
			sys_sample_code	OCC-1405-023		
			lab_sample_id	H14050297-004		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	99.74		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.12		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1631		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1650		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	990	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	1		
E200.7	SODIUM (NA)	DIS	mg/L	418		
E200.7	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	890		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	35		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	22		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	57.3		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.9	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.113		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.12		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.19		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.044		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	B9-U		
			sys_sample_code	OCC-1405-018		
			lab_sample_id	H14050297-024		
			sample_date	5/12/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.63		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1067		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3320		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	595	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	255		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	520		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	590		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	20		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	18		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	41.8		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.102		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.054		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.12		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.04		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.013		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	C-2		
			sys_sample_code	OCC-1405-205		
			lab_sample_id	H14050292-006		
			sample_date	5/12/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	41.16		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.52		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2930		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3020		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.8		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2180		
E200.7	CALCIUM (CA)	DIS	mg/L	75		
E200.7	MAGNESIUM (MG)	DIS	mg/L	122		
E200.7	SODIUM (NA)	DIS	mg/L	515		
E200.7	POTASSIUM (K)	DIS	mg/L	23		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	640		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	780		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	20		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1000		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	8.52		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	3.02	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.043		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.44		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.12		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.044		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.015		
E200.8	VANADIUM (V)	DIS	mg/L	0.05		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	C-3		
			sys_sample_code	OCC-1405-008		
			lab_sample_id	H14050154-008		
			sample_date	5/5/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	104.01		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.53		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.8	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3580		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3430		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2650		
E200.7	CALCIUM (CA)	DIS	mg/L	109		
E200.7	MAGNESIUM (MG)	DIS	mg/L	179		
E200.7	SODIUM (NA)	DIS	mg/L	472		
E200.7	POTASSIUM (K)	DIS	mg/L	23		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	600		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	730		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1500		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.46		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.8		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.016		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.51		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	3.27		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.490		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	C-4		
			sys_sample_code	OCC-1405-211		
			lab_sample_id	H14050292-012		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	70.38		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.95		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4090		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4180		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3340		
E200.7	CALCIUM (CA)	DIS	mg/L	146		
E200.7	MAGNESIUM (MG)	DIS	mg/L	229		
E200.7	SODIUM (NA)	DIS	mg/L	596		
E200.7	POTASSIUM (K)	DIS	mg/L	21		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	680		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	820		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	13		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1900	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	7.17		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.024		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.39		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	1.35		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.353		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	COAL CREEK		
			sys_sample_code	OCC-1406-169		
			lab_sample_id	HYDRO201405-003		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.39		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	5890		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13.7		

			sys_loc_code	FORTUNE SPRING		
			sys_sample_code	OCC-1405-150		
			lab_sample_id	H14050407-001		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	0.003496		
FIELD	PH - FLD	NO MEAS	s.u.	7.21		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	8110		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	8330		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	9.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	8260		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	< 4		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	0.2		
E200.7	CALCIUM (CA)	DIS	mg/L	307		
E200.7	CALCIUM (CA)	TRC	mg/L	287		
E200.7	MAGNESIUM (MG)	DIS	mg/L	613		
E200.7	MAGNESIUM (MG)	TRC	mg/L	593		
E200.7	SODIUM (NA)	DIS	mg/L	1260		
E200.7	SODIUM (NA)	TRC	mg/L	1260		
E200.7	POTASSIUM (K)	DIS	mg/L	25		
E200.7	POTASSIUM (K)	TRC	mg/L	25		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	740		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	900		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	13		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	4800	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	9.53		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.6	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	6.2	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.012		
E200.8	BARIUM (BA)	TRC	mg/L	0.012		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.83		
E200.7	BORON (B)	TRC	mg/L	0.83		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00005		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.002		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E200.8	MANGANESE (MN)	TRC	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	0.028		
E200.8	SELENIUM (SE)	TRC	mg/L	0.028		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	K-1		
			sys_sample_code	OCC-1405-212		
			lab_sample_id	H14050292-013		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	72.8		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.77		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1517		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1490		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	925		
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	1		
E200.7	SODIUM (NA)	DIS	mg/L	366		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	790		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	920		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	23		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	9		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	38		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	44.3		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.4	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.140		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.09		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.7	IRON (FE)	DIS	mg/L	0.03		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	K-2		
			sys_sample_code	OCC-1405-035		
			lab_sample_id	H14050297-016		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	60.84		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.56		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1108		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1120		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	650	L	
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	277		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	580		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	640		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	29		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	11		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	41.6		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.4	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.024		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.103		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.10		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.007		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	K-3		
			sys_sample_code	OCC-1405-221		
			lab_sample_id	H14050292-022		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	57.49		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	7.43		
A4500-HB	pH - LAB	NO MEAS	s.u.	6.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1970		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2000		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.4		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1450		
E200.7	CALCIUM (CA)	DIS	mg/L	143		
E200.7	MAGNESIUM (MG)	DIS	mg/L	99		
E200.7	SODIUM (NA)	DIS	mg/L	209		
E200.7	POTASSIUM (K)	DIS	mg/L	5		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	570		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	700		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	650		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	3.29		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.6		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.025		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.33		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.70		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.076		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	K-4		
			sys_sample_code	OCC-1405-222		
			lab_sample_id	H14050292-023		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	51.84		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.86		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.7	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1061		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1050		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	666		
E200.7	CALCIUM (CA)	DIS	mg/L	2		
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1		
E200.7	SODIUM (NA)	DIS	mg/L	249		
E200.8	POTASSIUM (K)	DIS	mg/L	1		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	420		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	480		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	16		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	130		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	41.0		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.6	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.270		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.020		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.11		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.09		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.014		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	K-5		
			sys_sample_code	OCC-1405-210		
			lab_sample_id	H14050292-011		
			sample_date	5/13/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH	104.3		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.25		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1291		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1280		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	793		
E200.7	CALCIUM (CA)	DIS	mg/L	3		
E200.7	MAGNESIUM (MG)	DIS	mg/L	1		
E200.7	SODIUM (NA)	DIS	mg/L	331		
E200.8	POTASSIUM (K)	DIS	mg/L	2		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	720		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	860		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	7		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	8		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	42.3		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.5	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.122		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.16		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.15		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.013		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	K-6			K-6		
			sys_sample_code	OCC-1405-223			OCC-1405-224		
			lab_sample_id	H14050292-024			H14050292-025		
			sample_date	5/14/2014			5/14/2014		
			sample_type_code	N			D		
			WATER_LEVEL_DEPTH	72.09			72.09		
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	PH - FLD	NO MEAS	s.u.	8.05					
A4500-HB	pH - LAB	NO MEAS	s.u.	7.3	H		7.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	2930					
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2920			2910		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	12.9					
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2080			2080		
E200.7	CALCIUM (CA)	DIS	mg/L	62			62		
E200.7	MAGNESIUM (MG)	DIS	mg/L	61			61		
E200.7	SODIUM (NA)	DIS	mg/L	575			568		
E200.7	POTASSIUM (K)	DIS	mg/L	6			6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	840			830		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000			1000		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1			< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1			< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12			12		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	750			760		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	12.4			12.3		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9			0.9		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01			< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009			< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001			< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.016			0.016		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.22			0.22		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001			< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001			< 0.001		
E200.7	IRON (FE)	DIS	mg/L				0.78		
E200.8	IRON (FE)	DIS	mg/L	0.76					
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003			< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.063			0.064		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005			< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002			< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008		

			sys_loc_code	P1		
			sys_sample_code	OCC-1405-168		
			lab_sample_id	H14050407-019		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.08		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	721		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1050		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	20		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	724		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	10		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	13.8		
E200.7	CALCIUM (CA)	DIS	mg/L	28		
E200.7	CALCIUM (CA)	TRC	mg/L	29		
E200.7	MAGNESIUM (MG)	DIS	mg/L	19		
E200.7	MAGNESIUM (MG)	TRC	mg/L	18		
E200.7	SODIUM (NA)	DIS	mg/L	184		
E200.7	SODIUM (NA)	TRC	mg/L	182		
E200.7	POTASSIUM (K)	DIS	mg/L	7		
E200.7	POTASSIUM (K)	TRC	mg/L	7		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	240		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	290		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	1		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	320		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.62		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.3		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.088		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.773		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.012		
E200.8	BARIUM (BA)	TRC	mg/L	0.022		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.02		
E200.7	BORON (B)	TRC	mg/L	0.02		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00004		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.003		
E200.7	IRON (FE)	TRC	mg/L	1.33		
E200.8	IRON (FE)	DIS	mg/L	0.18		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0011		
E200.8	MANGANESE (MN)	DIS	mg/L	0.046		
E200.8	MANGANESE (MN)	TRC	mg/L	0.079		
E245.1	MERCURY (HG)	DIS	mg/L	0.000009		
E245.1	MERCURY (HG)	TOT	mg/L	0.000006		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.004		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.008		

			sys_loc_code	P2		
			sys_sample_code	OCC-1405-170		
			lab_sample_id	HYDRO201405-004		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	P3		
			sys_sample_code	OCC-1405-166		
			lab_sample_id	H14050407-017		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.33		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.2	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	275.9		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	446		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	20.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	580		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	17900		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	9950	D	
E200.7	CALCIUM (CA)	DIS	mg/L	48		
E200.7	CALCIUM (CA)	TRC	mg/L	124		
E200.7	MAGNESIUM (MG)	DIS	mg/L	19		
E200.7	MAGNESIUM (MG)	TRC	mg/L	64		
E200.7	SODIUM (NA)	DIS	mg/L	27		
E200.7	SODIUM (NA)	TRC	mg/L	27		
E200.7	POTASSIUM (K)	DIS	mg/L	21		
E200.7	POTASSIUM (K)	TRC	mg/L	49		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	310		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	370		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	3		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	33		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.49		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.2		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.09		
E200.7	ALUMINUM (AL)	DIS	mg/L	8.20		
E200.7	ALUMINUM (AL)	TRC	mg/L	56.0	D	
E200.8	ARSENIC (AS)	DIS	mg/L	0.008		
E200.8	ARSENIC (AS)	TRC	mg/L	0.033		
E200.8	BARIUM (BA)	DIS	mg/L	0.284		
E200.8	BARIUM (BA)	TRC	mg/L	1.26	D	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0044		
E200.8	BORON (B)	DIS	mg/L	0.06		
E200.8	BORON (B)	TRC	mg/L	0.10		
E200.8	CADMIUM (CD)	DIS	mg/L	0.00021		
E200.8	CADMIUM (CD)	TRC	mg/L	0.0019	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	0.014		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.105		
E200.8	COPPER (CU)	DIS	mg/L	0.015		
E200.8	COPPER (CU)	TRC	mg/L	0.146	D	
E200.7	IRON (FE)	DIS	mg/L	15.2		
E200.7	IRON (FE)	TRC	mg/L	99.9	D	
E200.8	LEAD (PB)	DIS	mg/L	0.0101		
E200.8	LEAD (PB)	TRC	mg/L	0.0813		
E200.7	MANGANESE (MN)	DIS	mg/L	1.15		
E200.7	MANGANESE (MN)	TRC	mg/L	2.60	D	
E245.1	MERCURY (HG)	DIS	mg/L	0.000013		
E245.1	MERCURY (HG)	TOT	mg/L	0.00013		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.021		
E200.8	NICKEL (NI)	TRC	mg/L	0.133	D	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	0.002	D	
E200.8	VANADIUM (V)	DIS	mg/L	0.02		
E200.8	VANADIUM (V)	TRC	mg/L	0.16		
E200.8	ZINC (ZN)	DIS	mg/L	0.054		
E200.8	ZINC (ZN)	TRC	mg/L	0.52	D	

			sys_loc_code	P4		
			sys_sample_code	OCC-1405-163		
			lab_sample_id	H14050407-014		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.61		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	463.2		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	472		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	315		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	292		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	57.9		
E200.7	CALCIUM (CA)	DIS	mg/L	30		
E200.7	CALCIUM (CA)	TRC	mg/L	32		
E200.7	MAGNESIUM (MG)	DIS	mg/L	16		
E200.7	MAGNESIUM (MG)	TRC	mg/L	16		
E200.7	SODIUM (NA)	DIS	mg/L	39		
E200.7	SODIUM (NA)	TRC	mg/L	39		
E200.7	POTASSIUM (K)	DIS	mg/L	8		
E200.7	POTASSIUM (K)	TRC	mg/L	8		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	100		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	120		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	1		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	130		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	1.44		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	< 0.1		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.026		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.278		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.052		
E200.8	BARIUM (BA)	TRC	mg/L	0.058		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.04		
E200.7	BORON (B)	TRC	mg/L	0.04		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00011		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	0.39		
E200.8	IRON (FE)	TRC	mg/L	0.83		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0004		
E200.8	MANGANESE (MN)	DIS	mg/L	0.060		
E200.8	MANGANESE (MN)	TRC	mg/L	0.085		
E245.1	MERCURY (HG)	DIS	mg/L	0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	0.000007		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.014		

			sys_loc_code	P5		
			sys_sample_code	OCC-1405-160		
			lab_sample_id	H14050407-011		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	9.09		
A4500-HB	pH - LAB	NO MEAS	s.u.	9.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1192		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1250		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.2		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	867		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	171		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	52.4		
E200.7	CALCIUM (CA)	DIS	mg/L	33		
E200.7	CALCIUM (CA)	TRC	mg/L	33		
E200.7	MAGNESIUM (MG)	DIS	mg/L	32		
E200.7	MAGNESIUM (MG)	TRC	mg/L	32		
E200.7	SODIUM (NA)	DIS	mg/L	195		
E200.7	SODIUM (NA)	TRC	mg/L	202		
E200.7	POTASSIUM (K)	DIS	mg/L	7		
E200.7	POTASSIUM (K)	TRC	mg/L	8		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	140		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	150		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	5		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	2		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	530		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.83		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	< 0.1		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.391		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.016		
E200.8	BARIUM (BA)	TRC	mg/L	0.073		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.04		
E200.7	BORON (B)	TRC	mg/L	0.03		
E200.8	CADMIUM (CD)	DIS	mg/L	0.00004		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00014		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	IRON (FE)	TRC	mg/L	0.78		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0007		
E200.8	MANGANESE (MN)	DIS	mg/L	0.012		
E200.8	MANGANESE (MN)	TRC	mg/L	0.043		
E245.1	MERCURY (HG)	DIS	mg/L	0.000006		
E245.1	MERCURY (HG)	TOT	mg/L	0.000008		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.009		

			sys_loc_code	P6		
			sys_sample_code	OCC-1405-157		
			lab_sample_id	H14050407-008		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.3		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3036		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3150		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2530		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	4		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	1.5		
E200.7	CALCIUM (CA)	DIS	mg/L	102		
E200.7	CALCIUM (CA)	TRC	mg/L	102		
E200.7	MAGNESIUM (MG)	DIS	mg/L	215		
E200.7	MAGNESIUM (MG)	TRC	mg/L	213		
E200.7	SODIUM (NA)	DIS	mg/L	387		
E200.7	SODIUM (NA)	TRC	mg/L	411		
E200.7	POTASSIUM (K)	DIS	mg/L	14		
E200.7	POTASSIUM (K)	TRC	mg/L	15		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	510		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	610		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	7		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	5		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1400		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	4.99		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.6		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.012		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.012		
E200.8	BARIUM (BA)	TRC	mg/L	0.013		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.46		
E200.7	BORON (B)	TRC	mg/L	0.48		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	0.06		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.017		
E200.8	MANGANESE (MN)	TRC	mg/L	0.027		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.7	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-10		
			sys_sample_code	OCC-1405-161		
			lab_sample_id	H14050407-012		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.01		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	348		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	299		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C			
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	202		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	34		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	21.6		
E200.7	CALCIUM (CA)	DIS	mg/L	38		
E200.7	MAGNESIUM (MG)	DIS	mg/L	7		
E200.7	SODIUM (NA)	DIS	mg/L	4		
E200.7	POTASSIUM (K)	DIS	mg/L	12		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	98		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	120		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	4		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	34		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.17		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.1		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.017		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.087		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.02		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.056		
E245.1	MERCURY (HG)	DIS	mg/L	0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	0.021		

			sys_loc_code	SW-11		
			sys_sample_code	OCC-1405-250		
			lab_sample_id	H14050292-028		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.18		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3220		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3250		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	11.6		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2670		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	19		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	16.7		
E200.7	CALCIUM (CA)	DIS	mg/L	157		
E200.7	CALCIUM (CA)	TRC	mg/L	157		
E200.7	MAGNESIUM (MG)	DIS	mg/L	187		
E200.7	MAGNESIUM (MG)	TRC	mg/L	190		
E200.7	SODIUM (NA)	DIS	mg/L	408		
E200.7	SODIUM (NA)	TRC	mg/L	413		
E200.7	POTASSIUM (K)	DIS	mg/L	15		
E200.7	POTASSIUM (K)	TRC	mg/L	16		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	560		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	660		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	9		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1500		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.22		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.5		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.7	ALUMINUM (AL)	TRC	mg/L	0.228		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.030		
E200.8	BARIUM (BA)	TRC	mg/L	0.034		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.34		
E200.7	BORON (B)	TRC	mg/L	0.33		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.7	IRON (FE)	TRC	mg/L	0.88		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.7	MANGANESE (MN)	TRC	mg/L	0.221		
E200.8	MANGANESE (MN)	DIS	mg/L	0.191		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	0.002		
E200.8	SELENIUM (SE)	TRC	mg/L	0.002		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-12		
			sys_sample_code	OCC-1405-179		
			lab_sample_id	HYDRO201405-002		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-13		
			sys_sample_code	OCC-1405-177		
			lab_sample_id	HYDRO201405-011		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-14		
			sys_sample_code	OCC-1405-172		
			lab_sample_id	HYDRO201405-006		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-15		
			sys_sample_code	OCC-1405-173		
			lab_sample_id	HYDRO201405-007		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-16		
			sys_sample_code	OCC-1405-153		
			lab_sample_id	H14050407-004		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	7.739		
FIELD	PH - FLD	NO MEAS	s.u.	8.26		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3794		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3960		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	17.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3310		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	28		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	16.7		
E200.7	CALCIUM (CA)	DIS	mg/L	133		
E200.7	CALCIUM (CA)	TRC	mg/L	129		
E200.7	MAGNESIUM (MG)	DIS	mg/L	269		
E200.7	MAGNESIUM (MG)	TRC	mg/L	265		
E200.7	SODIUM (NA)	DIS	mg/L	527		
E200.7	SODIUM (NA)	TRC	mg/L	529		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	570		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	680		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	5		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1800	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.05		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.314		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.042		
E200.8	BARIUM (BA)	TRC	mg/L	0.047		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.43		
E200.7	BORON (B)	TRC	mg/L	0.43		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	0.68		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0006		
E200.8	MANGANESE (MN)	DIS	mg/L	0.172		
E200.8	MANGANESE (MN)	TRC	mg/L	0.222		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-17		
			sys_sample_code	OCC-1405-171		
			lab_sample_id	HYDRO201405-005		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-19		
			sys_sample_code	OCC-1405-158		
			lab_sample_id	H14050407-009		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.08		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.9	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	512		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	396		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.9		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	253		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	509		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	576		
E200.7	CALCIUM (CA)	DIS	mg/L	37		
E200.7	MAGNESIUM (MG)	DIS	mg/L	15		
E200.7	SODIUM (NA)	DIS	mg/L	18		
E200.7	POTASSIUM (K)	DIS	mg/L	9		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	130		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	160		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	3		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	67		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.62		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.1		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.017		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.060		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.02		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.001		
E200.8	IRON (FE)	DIS	mg/L	0.03		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	SW-1A		
			sys_sample_code	OCC-1405-159		
			lab_sample_id	H14050407-010		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	0.1045		
FIELD	PH - FLD	NO MEAS	s.u.	7.76		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.0	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3453		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3580		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.2		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2780		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	24		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	2.9		
E200.7	CALCIUM (CA)	DIS	mg/L	96		
E200.7	CALCIUM (CA)	TRC	mg/L	94		
E200.7	MAGNESIUM (MG)	DIS	mg/L	196		
E200.7	MAGNESIUM (MG)	TRC	mg/L	198		
E200.7	SODIUM (NA)	DIS	mg/L	527		
E200.7	SODIUM (NA)	TRC	mg/L	535		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	21		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	710		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	870		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	7		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1500		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	7.08		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.2	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.02		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.017		
E200.8	ARSENIC (AS)	DIS	mg/L	0.003		
E200.8	ARSENIC (AS)	TRC	mg/L	0.003		
E200.8	BARIUM (BA)	DIS	mg/L	0.029		
E200.8	BARIUM (BA)	TRC	mg/L	0.028		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.74		
E200.7	BORON (B)	TRC	mg/L	0.76		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	0.10		
E200.8	IRON (FE)	TRC	mg/L	0.30		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.176		
E200.8	MANGANESE (MN)	TRC	mg/L	0.157		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-2		
			sys_sample_code	OCC-1405-152		
			lab_sample_id	H14050407-003		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	6.77		
FIELD	PH - FLD	NO MEAS	s.u.	8.28		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.3	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3820		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	4010		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3270		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	28		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	25.4		
E200.7	CALCIUM (CA)	DIS	mg/L	134		
E200.7	CALCIUM (CA)	TRC	mg/L	130		
E200.7	MAGNESIUM (MG)	DIS	mg/L	270		
E200.7	MAGNESIUM (MG)	TRC	mg/L	263		
E200.7	SODIUM (NA)	DIS	mg/L	510		
E200.7	SODIUM (NA)	TRC	mg/L	527		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	580		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	700		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	3		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1800	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.83		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.585		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.042		
E200.8	BARIUM (BA)	TRC	mg/L	0.050		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.42		
E200.7	BORON (B)	TRC	mg/L	0.43		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00010		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.002		
E200.7	IRON (FE)	TRC	mg/L	0.95		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0008		
E200.8	MANGANESE (MN)	DIS	mg/L	0.118		
E200.8	MANGANESE (MN)	TRC	mg/L	0.194		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.011		

			sys_loc_code	SW-20		
			sys_sample_code	OCC-1405-175		
			lab_sample_id	HYDRO201405-009		
			sample_date	5/14/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.5		
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	272		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	15.8		

			sys_loc_code	SW-21		
			sys_sample_code	OCC-1405-174		
			lab_sample_id	HYDRO201405-008		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-22		
			sys_sample_code	OCC-1405-154		
			lab_sample_id	H14050407-005		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	5.82		
FIELD	PH - FLD	NO MEAS	s.u.	8.44		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3417		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3820		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3220		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	4		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	6.4		
E200.7	CALCIUM (CA)	DIS	mg/L	132		
E200.7	CALCIUM (CA)	TRC	mg/L	127		
E200.7	MAGNESIUM (MG)	DIS	mg/L	267		
E200.7	MAGNESIUM (MG)	TRC	mg/L	260		
E200.7	SODIUM (NA)	DIS	mg/L	491		
E200.7	SODIUM (NA)	TRC	mg/L	498		
E200.7	POTASSIUM (K)	DIS	mg/L	19		
E200.7	POTASSIUM (K)	TRC	mg/L	19		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	550		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	630		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	20		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.64		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.116		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.034		
E200.8	BARIUM (BA)	TRC	mg/L	0.036		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.39		
E200.7	BORON (B)	TRC	mg/L	0.40		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	0.36		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.099		
E200.8	MANGANESE (MN)	TRC	mg/L	0.123		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-23			SW-23		
			sys_sample_code	OCC-1405-155			OCC-1405-156		
			lab_sample_id	H14050407-006			H14050407-007		
			sample_date	5/21/2014			5/21/2014		
			sample_type_code	N			D		
			WATER_LEVEL_DEPTH						
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	0.1286					
FIELD	PH - FLD	NO MEAS	s.u.	7.92					
A4500-HB	pH - LAB	NO MEAS	s.u.	8.0	H		8.0	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3719					
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3870			3870		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.9					
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3180			3140		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	20		J	28		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	26.1			26.1		
E200.7	CALCIUM (CA)	DIS	mg/L	133			132		
E200.7	CALCIUM (CA)	TRC	mg/L	126			129		
E200.7	MAGNESIUM (MG)	DIS	mg/L	242			239		
E200.7	MAGNESIUM (MG)	TRC	mg/L	232			237		
E200.7	SODIUM (NA)	DIS	mg/L	509			514		
E200.7	SODIUM (NA)	TRC	mg/L	517			530		
E200.7	POTASSIUM (K)	DIS	mg/L	20			20		
E200.7	POTASSIUM (K)	TRC	mg/L	20			20		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	640			630		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	780			770		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1			< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6			6		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	D		1700	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.08			6.17		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D		0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01			< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009			< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.620			0.680		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001			0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002			0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.044			0.044		
E200.8	BARIUM (BA)	TRC	mg/L	0.050			0.052		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008			< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.57			0.58		
E200.7	BORON (B)	TRC	mg/L	0.56			0.57		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.00003			0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001			< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001			0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001			< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.001			0.002		
E200.7	IRON (FE)	TRC	mg/L	1.26			1.36		
E200.8	IRON (FE)	DIS	mg/L	0.06			0.06		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003			< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0007			0.0007		
E200.8	MANGANESE (MN)	DIS	mg/L	0.662			0.672		
E200.8	MANGANESE (MN)	TRC	mg/L	0.673			0.690		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005			< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005			< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005			< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002			0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003			0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001			< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01			< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.009			< 0.008		

			sys_loc_code	SW-25		
			sys_sample_code	OCC-1405-151		
			lab_sample_id	H14050407-002		
			sample_date	5/21/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	7.425		
FIELD	PH - FLD	NO MEAS	s.u.	8.35		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.4	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	3824		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3990		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3360		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	40		J
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	29.0		
E200.7	CALCIUM (CA)	DIS	mg/L	131		
E200.7	CALCIUM (CA)	TRC	mg/L	127		
E200.7	MAGNESIUM (MG)	DIS	mg/L	269		
E200.7	MAGNESIUM (MG)	TRC	mg/L	264		
E200.7	SODIUM (NA)	DIS	mg/L	519		
E200.7	SODIUM (NA)	TRC	mg/L	538		
E200.7	POTASSIUM (K)	DIS	mg/L	20		
E200.7	POTASSIUM (K)	TRC	mg/L	21		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	570		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	670		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	12		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1900	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	5.96		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	D	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.655		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.002		
E200.8	BARIUM (BA)	DIS	mg/L	0.041		
E200.8	BARIUM (BA)	TRC	mg/L	0.052		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.43		
E200.7	BORON (B)	TRC	mg/L	0.44		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	0.001		
E200.7	IRON (FE)	TRC	mg/L	1.01		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0008		
E200.8	MANGANESE (MN)	DIS	mg/L	0.079		
E200.8	MANGANESE (MN)	TRC	mg/L	0.150		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	NICKEL (NI)	TRC	mg/L	0.003		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-4		
			sys_sample_code	OCC-1405-167		
			lab_sample_id	H14050407-018		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.72		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	258.3		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	273		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	23		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	176		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	61		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	33.4		
E200.7	CALCIUM (CA)	DIS	mg/L	32		
E200.7	CALCIUM (CA)	TRC	mg/L	81		
E200.7	MAGNESIUM (MG)	DIS	mg/L	7		
E200.7	MAGNESIUM (MG)	TRC	mg/L	32		
E200.7	SODIUM (NA)	DIS	mg/L	8		
E200.7	SODIUM (NA)	TRC	mg/L	9		
E200.7	POTASSIUM (K)	DIS	mg/L	6		
E200.7	POTASSIUM (K)	TRC	mg/L	16		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	170		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	210		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	3		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	11		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.33		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.3		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.22		
E200.7	ALUMINUM (AL)	TRC	mg/L	31.9	D	
E200.8	ALUMINUM (AL)	DIS	mg/L	0.023		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.018		
E200.8	BARIUM (BA)	DIS	mg/L	0.089		
E200.8	BARIUM (BA)	TRC	mg/L	0.658	D	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0029		
E200.7	BORON (B)	DIS	mg/L	0.02		
E200.8	BORON (B)	TRC	mg/L	0.04		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	0.0018	D	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	0.072		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.073	D	
E200.7	IRON (FE)	TRC	mg/L	59.9	D	
E200.8	IRON (FE)	DIS	mg/L	0.07		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0399		
E200.7	MANGANESE (MN)	TRC	mg/L	1.35	D	
E200.8	MANGANESE (MN)	DIS	mg/L	0.038		
E245.1	MERCURY (HG)	DIS	mg/L	0.000006		
E245.1	MERCURY (HG)	TOT	mg/L	0.00011		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.003		
E200.8	NICKEL (NI)	TRC	mg/L	0.066	D	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.002	D	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	0.09		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	0.40	D	

			sys_loc_code	SW-5		
			sys_sample_code	OCC-1405-176		
			lab_sample_id	HYDRO201405-010		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		

			sys_loc_code	SW-6		
			sys_sample_code	OCC-1405-164		
			lab_sample_id	H14050407-015		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.67		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.6	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	366.7		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	295		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.1		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	181		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	95		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	50.7		
E200.7	CALCIUM (CA)	DIS	mg/L	30		
E200.7	MAGNESIUM (MG)	DIS	mg/L	9		
E200.7	SODIUM (NA)	DIS	mg/L	10		
E200.7	POTASSIUM (K)	DIS	mg/L	13		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	120		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	150		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	2		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	18		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.41		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.1		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.019		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.087		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.02		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.001		
E200.8	IRON (FE)	DIS	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.013		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	SW-7		
			sys_sample_code	OCC-1405-165		
			lab_sample_id	H14050407-016		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	7.89		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.5	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	214.3		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	182		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	18.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	117		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	14		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	10.7		
E200.7	CALCIUM (CA)	DIS	mg/L	23		
E200.7	MAGNESIUM (MG)	DIS	mg/L	4		
E200.7	SODIUM (NA)	DIS	mg/L	< 1		
E200.7	POTASSIUM (K)	DIS	mg/L	11		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	80		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	97		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	1		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	4		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.03		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	< 0.1		
E200.8	ALUMINUM (AL)	DIS	mg/L	0.011		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.056		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.03		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	0.07		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		

			sys_loc_code	SW-8		
			sys_sample_code	OCC-1405-251		
			lab_sample_id	H14050292-029		
			sample_date	5/15/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.11		
A4500-HB	pH - LAB	NO MEAS	s.u.	7.8	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	1650		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1610		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	13.2		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1150		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	< 4		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	0.7		
E200.7	CALCIUM (CA)	DIS	mg/L	100		
E200.7	CALCIUM (CA)	TRC	mg/L	96		
E200.7	MAGNESIUM (MG)	DIS	mg/L	68		
E200.7	MAGNESIUM (MG)	TRC	mg/L	64		
E200.7	SODIUM (NA)	DIS	mg/L	185		
E200.7	SODIUM (NA)	TRC	mg/L	188		
E200.7	POTASSIUM (K)	DIS	mg/L	6		
E200.7	POTASSIUM (K)	TRC	mg/L	6		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	400		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	480		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	2		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	3		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	560		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	3.48		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.3		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	< 0.009		
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	< 0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.024		
E200.8	BARIUM (BA)	TRC	mg/L	0.024		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.07		
E200.7	BORON (B)	TRC	mg/L	0.07		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	< 0.001		
E200.8	COPPER (CU)	TRC	mg/L	< 0.001		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	0.05		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	< 0.0003		
E200.8	MANGANESE (MN)	DIS	mg/L	0.011		
E200.8	MANGANESE (MN)	TRC	mg/L	0.010		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L	< 0.002		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

			sys_loc_code	SW-9		
			sys_sample_code	OCC-1405-162		
			lab_sample_id	H14050407-013		
			sample_date	5/22/2014		
			sample_type_code	N		
			WATER_LEVEL_DEPTH			
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q
FIELD	FLOW	NO MEAS	cfs	no meas		
FIELD	PH - FLD	NO MEAS	s.u.	8.08		
A4500-HB	pH - LAB	NO MEAS	s.u.	8.1	H	
FIELD	SC (UMHOS/CM AT 25 C) (FLD)	NO MEAS	umhos/cm	4989		
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	5640		
FIELD	WATER TEMPERATURE (FLD)	NO MEAS	C	14.7		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	5230		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	12		
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	5.7		
E200.7	CALCIUM (CA)	DIS	mg/L	248		
E200.7	CALCIUM (CA)	TRC	mg/L	239		
E200.7	MAGNESIUM (MG)	DIS	mg/L	331		
E200.7	MAGNESIUM (MG)	TRC	mg/L	329		
E200.7	SODIUM (NA)	DIS	mg/L	823		
E200.7	SODIUM (NA)	TRC	mg/L	849		
E200.7	POTASSIUM (K)	DIS	mg/L	13		
E200.7	POTASSIUM (K)	TRC	mg/L	13		
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	580		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	710		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	10		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	3100	D	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	8.04		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.5		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L	0.191		
E200.8	ARSENIC (AS)	DIS	mg/L	0.001		
E200.8	ARSENIC (AS)	TRC	mg/L	0.001		
E200.8	BARIUM (BA)	DIS	mg/L	0.042		
E200.8	BARIUM (BA)	TRC	mg/L	0.045		
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008		
E200.7	BORON (B)	DIS	mg/L	0.31		
E200.7	BORON (B)	TRC	mg/L	0.32		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L	< 0.00003		
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001		
E200.8	COPPER (CU)	DIS	mg/L	0.002		
E200.8	COPPER (CU)	TRC	mg/L	0.003		
E200.8	IRON (FE)	DIS	mg/L	< 0.02		
E200.8	IRON (FE)	TRC	mg/L	0.36		
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L	0.0004		
E200.8	MANGANESE (MN)	DIS	mg/L	0.047		
E200.8	MANGANESE (MN)	TRC	mg/L	0.074		
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L	0.000006		
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005		
E200.8	NICKEL (NI)	DIS	mg/L	0.005		
E200.8	NICKEL (NI)	TRC	mg/L	0.006		
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001		
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01		
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L	< 0.008		

Table 1: Data Validation Codes and Definitions:	
Code	***Definition***
A	Anomalous data. No apparent explanation for discrepancy in data
E	Estimated
H	Holding time not met. Indicates Low Bias
J	The associated numerical value is an estimated quantity because quality control criteria were not met
U	Blank exceedance. Indicates possible high bias and/or false positive
R	Quality control indicates that the data are unusable (compound may or may not be present). Resampling and/or reanalysis is necessary for verification.

TABLE 2: SUMMARY OF BLANKS									
			sys_loc_code						
			sys_sample_code	OCC-1405-015			OCC-1405-016		
			lab_sample_id	H14050154-015			H14050154-016		
			sample_date	5/6/2014			5/6/2014		
			sample_type_code	B			B		
			WATER_LEVEL_DEPTH						
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q	VAL Q
A4500-HB	pH - LAB	NO MEAS	s.u.	6.0	H		6.0	H	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2			2		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	< 4			< 4		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L						
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU						
E200.7	CALCIUM (CA)	DIS	mg/L	< 1			< 1		
E200.7	CALCIUM (CA)	TRC	mg/L						
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1			< 1		
E200.7	MAGNESIUM (MG)	TRC	mg/L						
E200.7	SODIUM (NA)	DIS	mg/L	< 1			< 1		
E200.7	SODIUM (NA)	TRC	mg/L						
E200.7	POTASSIUM (K)	DIS	mg/L						
E200.8	POTASSIUM (K)	DIS	mg/L	< 1			< 1		
E200.8	POTASSIUM (K)	TRC	mg/L						
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	2			2		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	2			2		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1			< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1			< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	< 1			< 1		
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1			< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.10			0.07		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	< 0.1			< 0.1		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01			< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009			< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L						
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001			< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L						
E200.8	BARIUM (BA)	DIS	mg/L	< 0.003			< 0.003		
E200.8	BARIUM (BA)	TRC	mg/L						
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L						
E200.7	BORON (B)	DIS	mg/L						
E200.7	BORON (B)	TRC	mg/L						
E200.8	BORON (B)	DIS	mg/L	< 0.01			< 0.01		
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L						
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001			< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L						
E200.8	COPPER (CU)	DIS	mg/L	< 0.001			< 0.001		
E200.8	COPPER (CU)	TRC	mg/L						
E200.8	IRON (FE)	DIS	mg/L	< 0.02			< 0.02		
E200.8	IRON (FE)	TRC	mg/L						
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003			< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L						
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005			< 0.005		
E200.8	MANGANESE (MN)	TRC	mg/L						
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L						
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005			< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L						
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002			< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L						
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L						
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L						
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L						

TABLE 2: SUMMARY OF BLANKS								
			sys_loc_code					
			sys_sample_code	OCC-1405-041			OCC-1405-169	
			lab_sample_id	H14050297-022			H14050407-020	
			sample_date	5/15/2014			5/22/2014	
			sample_type_code	B			B	
			WATER_LEVEL_DEPTH					
METHOD	chemical_name	fraction	UNIT	RESULT	LAB Q	VAL Q	RESULT	LAB Q
A4500-HB	pH - LAB	NO MEAS	s.u.	6.1	H		6.4	H
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2			3	
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	< 10	L		< 10	H
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L				< 4	
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU				< 0.1	
E200.7	CALCIUM (CA)	DIS	mg/L	< 1			< 1	
E200.7	CALCIUM (CA)	TRC	mg/L				< 1	
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1			< 1	
E200.7	MAGNESIUM (MG)	TRC	mg/L				< 1	
E200.7	SODIUM (NA)	DIS	mg/L	< 1			< 1	
E200.7	SODIUM (NA)	TRC	mg/L				< 1	
E200.7	POTASSIUM (K)	DIS	mg/L	< 1				
E200.8	POTASSIUM (K)	DIS	mg/L				< 1	
E200.8	POTASSIUM (K)	TRC	mg/L				< 1	
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	3			3	
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	3			3	
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1			< 1	
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1				
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	< 1			< 1	
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1			< 1	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	0.04			0.14	
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	< 0.1			< 0.1	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01			< 0.01	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009			< 0.009	
E200.8	ALUMINUM (AL)	TRC	mg/L				< 0.009	
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001			< 0.001	
E200.8	ARSENIC (AS)	TRC	mg/L				< 0.001	
E200.8	BARIUM (BA)	DIS	mg/L	< 0.003			< 0.003	
E200.8	BARIUM (BA)	TRC	mg/L				< 0.003	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008			< 0.0008	
E200.8	BERYLLIUM (BE)	TRC	mg/L				< 0.0008	
E200.7	BORON (B)	DIS	mg/L	< 0.01			< 0.01	
E200.7	BORON (B)	TRC	mg/L				< 0.01	
E200.8	BORON (B)	DIS	mg/L					
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003			< 0.00003	
E200.8	CADMIUM (CD)	TRC	mg/L				< 0.00003	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001			< 0.001	
E200.8	CHROMIUM (CR)	TRC	mg/L				< 0.001	
E200.8	COPPER (CU)	DIS	mg/L	< 0.001			< 0.001	
E200.8	COPPER (CU)	TRC	mg/L				< 0.001	
E200.8	IRON (FE)	DIS	mg/L	< 0.02			< 0.02	
E200.8	IRON (FE)	TRC	mg/L				< 0.02	
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003			< 0.0003	
E200.8	LEAD (PB)	TRC	mg/L				< 0.0003	
E200.8	MANGANESE (MN)	DIS	mg/L	< 0.005			< 0.005	
E200.8	MANGANESE (MN)	TRC	mg/L				< 0.005	
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005			< 0.000005	
E245.1	MERCURY (HG)	TOT	mg/L				< 0.000005	
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005			< 0.005	
E200.8	MOLYBDENUM (MO)	TRC	mg/L				< 0.005	
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002			< 0.002	
E200.8	NICKEL (NI)	TRC	mg/L				< 0.002	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001			< 0.001	
E200.8	SELENIUM (SE)	TRC	mg/L				< 0.001	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01			< 0.01	
E200.8	VANADIUM (V)	TRC	mg/L				< 0.01	
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008			< 0.008	
E200.8	ZINC (ZN)	TRC	mg/L				< 0.008	

TABLE 2: SUMMARY OF BLANKS							
			sys_loc_code				
			sys_sample_code		OCC-1405-226		
			lab_sample_id		H14050292-027		
			sample_date		5/15/2014		
			sample_type_code		B		
			WATER_LEVEL_DEPTH				
METHOD	chemical_name	fraction	UNIT	VAL Q	RESULT	LAB Q	VAL Q
A4500-HB	pH - LAB	NO MEAS	s.u.		6.0	H	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm		3		
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	H	< 4		
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L				
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU				
E200.7	CALCIUM (CA)	DIS	mg/L		< 1		
E200.7	CALCIUM (CA)	TRC	mg/L				
E200.7	MAGNESIUM (MG)	DIS	mg/L		< 1		
E200.7	MAGNESIUM (MG)	TRC	mg/L				
E200.7	SODIUM (NA)	DIS	mg/L		< 1		
E200.7	SODIUM (NA)	TRC	mg/L				
E200.7	POTASSIUM (K)	DIS	mg/L		< 1		
E200.8	POTASSIUM (K)	DIS	mg/L				
E200.8	POTASSIUM (K)	TRC	mg/L				
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L		3		
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L		3		
A2320B	CARBONATE AS CO3	NO MEAS	mg/L		< 1		
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L		< 1		
E300.0	CHLORIDE (CL)	NO MEAS	mg/L		< 1		
E300.0	SULFATE (SO4)	NO MEAS	mg/L		< 1		
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless		0.07		
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L		< 0.1		
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L		< 0.01		
E200.8	ALUMINUM (AL)	DIS	mg/L		< 0.009		
E200.8	ALUMINUM (AL)	TRC	mg/L				
E200.8	ARSENIC (AS)	DIS	mg/L		< 0.001		
E200.8	ARSENIC (AS)	TRC	mg/L				
E200.8	BARIUM (BA)	DIS	mg/L		< 0.003		
E200.8	BARIUM (BA)	TRC	mg/L				
E200.8	BERYLLIUM (BE)	DIS	mg/L		< 0.0008		
E200.8	BERYLLIUM (BE)	TRC	mg/L				
E200.7	BORON (B)	DIS	mg/L		< 0.01		
E200.7	BORON (B)	TRC	mg/L				
E200.8	BORON (B)	DIS	mg/L				
E200.8	CADMIUM (CD)	DIS	mg/L		< 0.00003		
E200.8	CADMIUM (CD)	TRC	mg/L				
E200.8	CHROMIUM (CR)	DIS	mg/L		< 0.001		
E200.8	CHROMIUM (CR)	TRC	mg/L				
E200.8	COPPER (CU)	DIS	mg/L		< 0.001		
E200.8	COPPER (CU)	TRC	mg/L				
E200.8	IRON (FE)	DIS	mg/L		< 0.02		
E200.8	IRON (FE)	TRC	mg/L				
E200.8	LEAD (PB)	DIS	mg/L		< 0.0003		
E200.8	LEAD (PB)	TRC	mg/L				
E200.8	MANGANESE (MN)	DIS	mg/L		< 0.005		
E200.8	MANGANESE (MN)	TRC	mg/L				
E245.1	MERCURY (HG)	DIS	mg/L		< 0.000005		
E245.1	MERCURY (HG)	TOT	mg/L				
E200.8	MOLYBDENUM (MO)	DIS	mg/L		< 0.005		
E200.8	MOLYBDENUM (MO)	TRC	mg/L				
E200.8	NICKEL (NI)	DIS	mg/L		< 0.002		
E200.8	NICKEL (NI)	TRC	mg/L				
E200.8	SELENIUM (SE)	DIS	mg/L		< 0.001		
E200.8	SELENIUM (SE)	TRC	mg/L				
E200.8	VANADIUM (V)	DIS	mg/L		< 0.01		
E200.8	VANADIUM (V)	TRC	mg/L				
E200.8	ZINC (ZN)	DIS	mg/L		< 0.008		
E200.8	ZINC (ZN)	TRC	mg/L				

TABLE 3 SUMMARY OF DUPLICATES

			sys_loc_code	B12-UK1	B12-UK1		
			sys_sample_code	OCC-1406-445	OCC-1406-446		
			lab_sample_id	H14060425-006	H14060425-007		
			sample_date	6/18/2014	6/18/2014		
			sample_type_code	N	D		
			WATER_LEVEL_DEPTH	81.16	81.16		
METHOD	chemical_name	fraction	UNIT	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	NO MEAS	s.u.	8.2	8.2	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3520	3530	0.3	
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	1450	2220	42.0	SEE RPD
E200.7/8	CALCIUM (CA)	TRC	mg/L	93	77	18.8	
E200.8	CALCIUM (CA)	DIS	mg/L	18	20	10.5	
E200.7/8	MAGNESIUM (MG)	TRC	mg/L	54	54	0.0	
E200.8	MAGNESIUM (MG)	DIS	mg/L	13	14	7.4	
E200.7/8	SODIUM (NA)	TRC	mg/L	885	841	5.1	
E200.7/8	SODIUM (NA)	DIS	mg/L	771	743	3.7	
E200.7/8	POTASSIUM (K)	TRC	mg/L	14	13	7.4	
E200.8	POTASSIUM (K)	DIS	mg/L	3	4	28.6	PRDL
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	630	600	4.9	
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	740	700	5.6	
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	14	18	25.0	SEE RPD
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6	7	15.4	
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1200	1200	0.0	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	34.8	35.0	0.6	
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	1.3	1.3	0.0	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	0.03	0.03	0.0	
E200.7/8	ALUMINUM (AL)	TRC	mg/L	79.1	118	39.5	SEE RPD
E200.8	ALUMINUM (AL)	DIS	mg/L	2.82	3.14	10.7	
E200.8	ARSENIC (AS)	DIS	mg/L	0.004	0.004	0.0	
E200.8	ARSENIC (AS)	TRC	mg/L	0.028	0.024	15.4	
E200.7/8	BARIUM (BA)	TRC	mg/L	3.55	3.00	16.8	
E200.8	BARIUM (BA)	DIS	mg/L	0.051	0.058	12.8	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008	< 0.0008	UDL	
E200.8	BERYLLIUM (BE)	TRC	mg/L	0.0087	0.0079	9.6	
E200.7/8	BORON (B)	TRC	mg/L	0.33	0.35	5.9	
E200.8	BORON (B)	DIS	mg/L	0.13	0.15	14.3	
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003	0.00005	UDL	
E200.8	CADMIUM (CD)	TRC	mg/L	0.0004	0.0005	22.2	PRDL
E200.8	CHROMIUM (CR)	DIS	mg/L	0.002	0.002	0.0	
E200.8	CHROMIUM (CR)	TRC	mg/L	0.044	0.050	12.8	
E200.8	COPPER (CU)	DIS	mg/L	0.002	0.002	0.0	
E200.8	COPPER (CU)	TRC	mg/L	0.059	0.050	16.5	
E200.7/8	IRON (FE)	TRC	mg/L	37.8	44.7	16.7	
E200.8	IRON (FE)	DIS	mg/L	0.81	0.99	20.0	SEE RPD
E200.8	LEAD (PB)	DIS	mg/L	0.0010	0.0011	9.5	
E200.8	LEAD (PB)	TRC	mg/L	0.0788	0.0708	10.7	
E200.8	MANGANESE (MN)	DIS	mg/L	0.032	0.040	22.2	SEE RPD
E200.8	MANGANESE (MN)	TRC	mg/L	0.572	0.558	2.5	
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005	< 0.000005	UDL	
E245.1	MERCURY (HG)	TRC	mg/L	0.000074	0.000082	10.3	
E200.8	MOLYBDENUM (MO)	DIS	mg/L	0.013	0.014	7.4	
E200.8	MOLYBDENUM (MO)	TRC	mg/L	0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	DIS	mg/L	0.002	0.003	40.0	PRDL
E200.8	NICKEL (NI)	TRC	mg/L	0.040	0.035	13.3	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	SELENIUM (SE)	TRC	mg/L	0.002	0.002	0.0	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01	< 0.01	UDL	
E200.8	VANADIUM (V)	TRC	mg/L	0.03	0.04	28.6	PRDL
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008	< 0.008	UDL	
E200.8	ZINC (ZN)	TRC	mg/L	0.152	0.127	17.9	

TABLE 3 SUMMARY OF DUPLICATES

			sys_loc_code	B5-U	B5-U		
			sys_sample_code	OCC-1405-004	OCC-1405-005		
			lab_sample_id	H14050154-004	H14050154-005		
			sample_date	5/5/2014	5/5/2014		
			sample_type_code	N	D		
			WATER_LEVEL_DEPTH	159.88	159.88		
METHOD	chemical_name	fraction	UNIT	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	NO MEAS	s.u.	8.6	8.6	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	1060	1060	0.0	
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	641	642	0.2	
E200.7	CALCIUM (CA)	DIS	mg/L	2	2	0.0	
E200.7	MAGNESIUM (MG)	DIS	mg/L	< 1	< 1	UDL	
E200.7	SODIUM (NA)	DIS	mg/L	264	259	1.9	
E200.8	POTASSIUM (K)	DIS	mg/L	2	2	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	550	550	0.0	
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	640	640	0.0	
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	15	16	6.5	
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	26	26	0.0	
E300.0	SULFATE (SO4)	NO MEAS	mg/L	< 1	< 1	UDL	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	46.4	46.0	0.9	
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	2.1	2.1	0.0	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01	< 0.01	UDL	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009	< 0.009	UDL	
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	BARIUM (BA)	DIS	mg/L	0.076	0.077	1.3	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008	< 0.0008	UDL	
E200.7	BORON (B)	DIS	mg/L	0.16	0.16	0.0	
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003	< 0.00003	UDL	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	COPPER (CU)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	IRON (FE)	DIS	mg/L	< 0.02	< 0.02	UDL	
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003	< 0.0003	UDL	
E200.8	MANGANESE (MN)	DIS	mg/L	0.009	0.009	0.0	
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005	< 0.000005	UDL	
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002	< 0.002	UDL	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008	< 0.008	UDL	

TABLE 3 SUMMARY OF DUPLICATES

			sys_loc_code	K-6	K-6		
			sys_sample_code	OCC-1405-223	OCC-1405-224		
			lab_sample_id	H14050292-024	H14050292-025		
			sample_date	5/14/2014	5/14/2014		
			sample_type_code	N	D		
			WATER_LEVEL_DEPTH	72.09	72.09		
METHOD	chemical_name	fraction	UNIT	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	NO MEAS	s.u.	7.3	7.3	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	2920	2910	0.3	
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	2080	2080	0.0	
E200.7	CALCIUM (CA)	DIS	mg/L	62	62	0.0	
E200.7	MAGNESIUM (MG)	DIS	mg/L	61	61	0.0	
E200.7	SODIUM (NA)	DIS	mg/L	575	568	1.2	
E200.7	POTASSIUM (K)	DIS	mg/L	6	6	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	840	830	1.2	
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	1000	1000	0.0	
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1	< 1	UDL	
A2320B	HYDROXIDE (OH)	NO MEAS	mg/L	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	12	12	0.0	
E300.0	SULFATE (SO4)	NO MEAS	mg/L	750	760	1.3	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	12.4	12.3	0.8	
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.9	0.9	0.0	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01	< 0.01	UDL	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009	< 0.009	UDL	
E200.8	ARSENIC (AS)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	BARIUM (BA)	DIS	mg/L	0.016	0.016	0.0	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008	< 0.0008	UDL	
E200.7	BORON (B)	DIS	mg/L	0.22	0.22	0.0	
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003	< 0.00003	UDL	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	COPPER (CU)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.7/8	IRON (FE)	DIS	mg/L	0.76	0.78	2.6	
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003	< 0.0003	UDL	
E200.8	MANGANESE (MN)	DIS	mg/L	0.063	0.064	1.6	
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005	< 0.000005	UDL	
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	DIS	mg/L	< 0.002	< 0.002	UDL	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008	< 0.008	UDL	

TABLE 3 SUMMARY OF DUPLICATES

			sys_loc_code	SW-23	SW-23		
			sys_sample_code	OCC-1405-155	OCC-1405-156		
			lab_sample_id	H14050407-006	H14050407-007		
			sample_date	5/21/2014	5/21/2014		
			sample_type_code	N	D		
			WATER_LEVEL_DEPTH				
METHOD	chemical_name	fraction	UNIT	RESULT	RESULT	RPD	REMARK
A4500-HB	pH - LAB	NO MEAS	s.u.	8.0	8.0	0.0	
A2510B	SC (UMHOS/CM AT 25 C)	NO MEAS	umhos/cm	3870	3870	0.0	
A2540C	TDS (MEASURED AT 180 C)	NO MEAS	mg/L	3180	3140	1.3	
A2540D	TOTAL SUSPENDED SOLIDS	NO MEAS	mg/L	20	28	33.3	SEE RPD
A2130B	TURBIDITY (NTU) - LAB	NO MEAS	NTU	26.1	26.1	0.0	
E200.7	CALCIUM (CA)	DIS	mg/L	133	132	0.8	
E200.7	CALCIUM (CA)	TRC	mg/L	126	129	2.4	
E200.7	MAGNESIUM (MG)	DIS	mg/L	242	239	1.2	
E200.7	MAGNESIUM (MG)	TRC	mg/L	232	237	2.1	
E200.7	SODIUM (NA)	DIS	mg/L	509	514	1.0	
E200.7	SODIUM (NA)	TRC	mg/L	517	530	2.5	
E200.7	POTASSIUM (K)	DIS	mg/L	20	20	0.0	
E200.7	POTASSIUM (K)	TRC	mg/L	20	20	0.0	
A2320B	TOTAL ALKALINITY AS CACO3	NO MEAS	mg/L	640	630	1.6	
A2320B	BICARBONATE ALKALINITY AS HCO3	NO MEAS	mg/L	780	770	1.3	
A2320B	CARBONATE AS CO3	NO MEAS	mg/L	< 1	< 1	UDL	
E300.0	CHLORIDE (CL)	NO MEAS	mg/L	6	6	0.0	
E300.0	SULFATE (SO4)	NO MEAS	mg/L	1700	1700	0.0	
CALCULATION	SODIUM ADSORPTION RATIO	NO MEAS	unitless	6.08	6.17	1.5	
A4500-FC	FLUORIDE (F)	NO MEAS	mg/L	0.7	0.7	0.0	
E353.2	NITRATE + NITRITE AS N	NO MEAS	mg/L	< 0.01	< 0.01	UDL	
E200.8	ALUMINUM (AL)	DIS	mg/L	< 0.009	< 0.009	UDL	
E200.8	ALUMINUM (AL)	TRC	mg/L	0.620	0.680	9.2	
E200.8	ARSENIC (AS)	DIS	mg/L	0.001	0.001	0.0	
E200.8	ARSENIC (AS)	TRC	mg/L	0.002	0.002	0.0	
E200.8	BARIUM (BA)	DIS	mg/L	0.044	0.044	0.0	
E200.8	BARIUM (BA)	TRC	mg/L	0.050	0.052	3.9	
E200.8	BERYLLIUM (BE)	DIS	mg/L	< 0.0008	< 0.0008	UDL	
E200.8	BERYLLIUM (BE)	TRC	mg/L	< 0.0008	< 0.0008	UDL	
E200.7	BORON (B)	DIS	mg/L	0.57	0.58	1.7	
E200.7	BORON (B)	TRC	mg/L	0.56	0.57	1.8	
E200.8	CADMIUM (CD)	DIS	mg/L	< 0.00003	< 0.00003	UDL	
E200.8	CADMIUM (CD)	TRC	mg/L	0.00003	0.00003	0.0	
E200.8	CHROMIUM (CR)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	CHROMIUM (CR)	TRC	mg/L	< 0.001	0.001	UDL	
E200.8	COPPER (CU)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	COPPER (CU)	TRC	mg/L	0.001	0.002	66.7	PRDL
E200.7	IRON (FE)	TRC	mg/L	1.26	1.36	7.6	
E200.8	IRON (FE)	DIS	mg/L	0.06	0.06	0.0	
E200.8	LEAD (PB)	DIS	mg/L	< 0.0003	< 0.0003	UDL	
E200.8	LEAD (PB)	TRC	mg/L	0.0007	0.0007	0.0	
E200.8	MANGANESE (MN)	DIS	mg/L	0.662	0.672	1.5	
E200.8	MANGANESE (MN)	TRC	mg/L	0.673	0.690	2.5	
E245.1	MERCURY (HG)	DIS	mg/L	< 0.000005	< 0.000005	UDL	
E245.1	MERCURY (HG)	TOT	mg/L	< 0.000005	< 0.000005	UDL	
E200.8	MOLYBDENUM (MO)	DIS	mg/L	< 0.005	< 0.005	UDL	
E200.8	MOLYBDENUM (MO)	TRC	mg/L	< 0.005	< 0.005	UDL	
E200.8	NICKEL (NI)	DIS	mg/L	0.002	0.002	0.0	
E200.8	NICKEL (NI)	TRC	mg/L	0.003	0.003	0.0	
E200.8	SELENIUM (SE)	DIS	mg/L	< 0.001	< 0.001	UDL	
E200.8	SELENIUM (SE)	TRC	mg/L	< 0.001	< 0.001	UDL	
E200.8	VANADIUM (V)	DIS	mg/L	< 0.01	< 0.01	UDL	
E200.8	VANADIUM (V)	TRC	mg/L	< 0.01	< 0.01	UDL	
E200.8	ZINC (ZN)	DIS	mg/L	< 0.008	< 0.008	UDL	
E200.8	ZINC (ZN)	TRC	mg/L	0.009	< 0.008	UDL	

TABLE 4: SUMMARY OF FLAGGED DATA

SITE CODE	SAMPLE CODE	DATE	LAB ID	METHOD	FRACTION	chemical_name	RESULT	UNIT	FLAG	COMMENT
FORTUNE SPRING	OCC-1405-150	5/21/2014	H14050407-001	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	< 4	mg/L	J	RPD 33%
SW-25	OCC-1405-151	5/21/2014	H14050407-002	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	40	mg/L	J	RPD 33%
SW-2	OCC-1405-152	5/21/2014	H14050407-003	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	28	mg/L	J	RPD 33%
SW-16	OCC-1405-153	5/21/2014	H14050407-004	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	28	mg/L	J	RPD 33%
SW-22	OCC-1405-154	5/21/2014	H14050407-005	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	4	mg/L	J	RPD 33%
SW-23	OCC-1405-155	5/21/2014	H14050407-006	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	20	mg/L	J	RPD 33%
P6	OCC-1405-157	5/21/2014	H14050407-008	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	4	mg/L	J	RPD 33%
SW-19	OCC-1405-158	5/21/2014	H14050407-009	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	509	mg/L	J	RPD 33%
SW-1A	OCC-1405-159	5/21/2014	H14050407-010	A2540D	NO MEAS	TOTAL SUSPENDED SOLIDS	24	mg/L	J	RPD 33%
A8	OCC-1406-444	6/18/2014	H14060425-005	E200.8	TRC	ALUMINUM (AL)	0.096	mg/L	J	RPD 40%
B12-UK1	OCC-1406-445	6/18/2014	H14060425-006	E200.8	TRC	ALUMINUM (AL)	79.1	mg/L	J	RPD 40%
A8	OCC-1406-444	6/18/2014	H14060425-005	A2320B	NO MEAS	CARBONATE AS CO3	< 1	mg/L	J	RPD 25%
B12-UK1	OCC-1406-445	6/18/2014	H14060425-006	A2320B	NO MEAS	CARBONATE AS CO3	14	mg/L	J	RPD 25%
A8	OCC-1406-444	6/18/2014	H14060425-005	E200.7	DIS	IRON (FE)	4.95	mg/L	J	RPD 20%
B12-UK1	OCC-1406-445	6/18/2014	H14060425-006	E200.8	DIS	IRON (FE)	0.81	mg/L	J	RPD 20%
A8	OCC-1406-444	6/18/2014	H14060425-005	E200.8	DIS	MANGANESE (MN)	0.354	mg/L	J	RPD 22%
B12-UK1	OCC-1406-445	6/18/2014	H14060425-006	E200.8	DIS	MANGANESE (MN)	0.032	mg/L	J	RPD 22%
A8	OCC-1406-444	6/18/2014	H14060425-005	A2540C	NO MEAS	TDS (MEASURED AT 180 C)	2520	mg/L	J	RPD 42%
B12-UK1	OCC-1406-445	6/18/2014	H14060425-006	A2540C	NO MEAS	TDS (MEASURED AT 180 C)	1450	mg/L	J	RPD 42%
NA	OCC-1405-169	5/22/2014	H14050407-020	A2540C	NO MEAS	TDS (MEASURED AT 180 C)	< 10	mg/L	H	HOLD TIME

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
A1										
Mean	0.08	0.04	0.02	0.0010	810.83	0.40	0.00007	49.17	10.00	65.83
UCL	0.08	0.04	0.02	0.0010	840.86	0.42	0.00007	55.81	14.88	72.30
Median	0.08	0.04	0.02	0.0010	840.00	0.40	0.00007	43.50	5.00	71.00
Standard Deviation	0.000000000000000014	0.005	0.006	0.000000000000000011	57.91	0.03	0.000000000000000014	12.81	9.42	12.47
Coefficient of Variation	0.000000000000000019	0.14	0.29	0.000000000000000012	0.07	0.08	0.000000000000000021	0.26	0.94	0.19
Skewness	-1.15	-0.44	1.45	1.15	-0.56	-0.16	1.15	1.82	0.62	-1.14
Minimum	0.08	0.03	0.02	0.0010	710.00	0.35	0.00007	39.00	2.00	41.00
Maximum	0.08	0.05	0.04	0.0010	880.00	0.45	0.00007	82.00	27.00	77.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	34	-46	0	39	-35	0	-49	9	37
80% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
95% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.138	-0.0001	0.0000	-0.023	0.0000	0.027
A2										
Mean	0.15	0.0030	0.02	0.0010	740.00	0.32	0.00008	71.50	4.00	7.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.15	0.0030	0.02	0.0010	740.00	0.32	0.00008	71.50	4.00	7.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.15	0.0030	0.02	0.0010	740.00	0.32	0.00008	71.50	4.00	7.00
Maximum	0.15	0.0030	0.02	0.0010	740.00	0.32	0.00008	71.50	4.00	7.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
A3										
Mean	0.08	0.005	0.01	0.0010	748.33	0.51	0.00007	127.42	3.25	6.92
UCL	0.08	0.005	0.02	0.0010	765.43	0.52	0.00007	130.16	5.25	7.56
Median	0.08	0.005	0.01	0.0010	755.00	0.51	0.00007	125.50	1.60	7.00
Standard Deviation	0.000000000000000014	0.0005	0.0011	0.000000000000000011	32.98	0.03	0.000000000000000014	5.28	3.86	1.24
Coefficient of Variation	0.000000000000000019	0.12	0.08	0.000000000000000012	0.04	0.05	0.000000000000000021	0.04	1.19	0.18
Skewness	-1.15	0.000000000000000031	1.95	1.15	-1.96	0.55	1.15	0.67	2.07	-0.16
Minimum	0.08	0.004	0.01	0.0010	660.00	0.47	0.00007	120.00	1.60	5.00
Maximum	0.08	0.005	0.02	0.0010	780.00	0.55	0.00007	138.00	12.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	16	7	0	5	29	0	-18	-3	-1
80% confidence	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.005	0.0000	0.0000
A4										
Mean	0.14	0.0025	0.02	0.0010	651.67	0.44	0.00007	117.92	3.25	6.92
UCL	0.24	0.0025	0.02	0.0010	665.97	0.45	0.00007	121.24	5.28	7.63
Median	0.08	0.0025	0.02	0.0010	655.00	0.44	0.00007	117.00	1.60	7.00
Standard Deviation	0.21	0.000000000000000005	0.004	0.000000000000000011	27.58	0.02	0.000000000000000014	6.42	3.91	1.38
Coefficient of Variation	1.54	0.000000000000000018	0.25	0.000000000000000012	0.04	0.05	0.000000000000000021	0.05	1.20	0.20
Skewness	3.46	1.15	3.25	1.15	-1.61	0.90	1.15	0.58	2.18	-0.32
Minimum	0.08	0.0025	0.02	0.0010	580.00	0.42	0.00007	108.00	1.60	5.00
Maximum	0.80	0.0025	0.03	0.0010	680.00	0.48	0.00007	131.00	13.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	0	20	0	14	14	0	19	-5	4
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.017	0.0000	0.0000	0.007	0.0000	0.0000
A5										
Mean	0.08	0.0025	0.02	0.0010	779.00	0.31	0.00007	171.58	4.25	11.67
UCL	0.08	0.0025	0.02	0.0010	802.34	0.33	0.00007	182.70	8.62	13.02
Median	0.08	0.0025	0.02	0.0010	780.00	0.31	0.00007	172.00	1.82	11.50
Standard Deviation	0.000000000000000014	0.000000000000000005	0.004	0.000000000000000011	45.02	0.03	0.000000000000000014	21.44	8.42	2.61
Coefficient of Variation	0.000000000000000019	0.000000000000000018	0.17	0.000000000000000012	0.06	0.10	0.000000000000000021	0.12	1.98	0.22
Skewness	-1.15	1.15	1.34	1.15	-0.48	-0.06	1.15	0.48	3.46	0.85
Minimum	0.08	0.0025	0.02	0.0010	700.00	0.26	0.00007	143.00	1.82	7.00
Maximum	0.08	0.0025	0.03	0.0010	830.00	0.36	0.00007	208.00	31.00	18.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	-39	0	-3	-19	0	-39	-1	-30
80% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.007	0.0000	0.0000	-0.052	0.0000	-0.003
A6										
Mean	0.10	0.0025	0.02	0.0010	922.50	0.41	0.00007	171.92	1.50	19.67

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
A1										
Mean	0.01	0.0010	2.68	1.82	0.04	0.0005	78.79	0.005	0.00004	0.01
UCL	0.01	0.0010	2.85	1.82	0.04	0.0005	89.11	0.005	0.00004	0.01
Median	0.01	0.0010	2.75	1.82	0.04	0.0005	70.00	0.005	0.00004	0.01
Standard Deviation	0.0008	0.00000000000000000023	0.34	0.00	0.00000000000000000014	0.00000000000000000006	19.90	0.0006	0.000006	0.0010
Coefficient of Variation	0.08	0.00000000000000000023	0.13	0.00	0.00000000000000003	0.00000000000000000013	0.25	0.11	0.16	0.09
Skewness	0.35	-1.15	-1.39	--	1.15	1.15	1.83	3.46	-3.46	0.71
Minimum	0.01	0.0010	2.00	1.82	0.04	0.0005	64.00	0.005	0.000020	0.01
Maximum	0.01	0.0010	3.00	1.82	0.04	0.0005	129.50	0.007	0.00004	0.01
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-15	0	14	0	0	0	-47	-11	-7	-28
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	-0.035	0.0000	0.0000	0.0000
A2										
Mean	0.0010	0.0015	0.60	--	0.14	0.0005	159.50	0.005	0.00005	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.0015	0.60	--	0.14	0.0005	159.50	0.005	0.00005	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0015	0.60	--	0.14	0.0005	159.50	0.005	0.00005	0.005
Maximum	0.0010	0.0015	0.60	--	0.14	0.0005	159.50	0.005	0.00005	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
A3										
Mean	0.0010	0.0010	0.63	1.30	2.40	0.0005	194.33	0.26	0.00004	0.005
UCL	0.0010	0.0010	0.65	1.30	2.46	0.0005	198.27	0.26	0.00004	0.005
Median	0.0010	0.0010	0.60	1.30	2.40	0.0005	193.50	0.26	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.05	0.00000000000000000023	0.13	0.00000000000000000006	7.58	0.01	0.00	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.07	0.00000000000000000018	0.05	0.00000000000000000013	0.04	0.04	0.00	0.00000000000000000018
Skewness	-1.15	-1.15	1.33	-1.19	2.02	1.15	0.14	0.52	--	1.15
Minimum	0.0010	0.0010	0.60	1.30	2.28	0.0005	181.00	0.24	0.00004	0.005
Maximum	0.0010	0.0010	0.70	1.30	2.75	0.0005	208.00	0.28	0.00004	0.005
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	0	0	3	0	-27	0	-5	-3	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	-0.003	0.0000	0.0000	0.0000
A4										
Mean	0.0010	0.0012	0.79	1.30	0.12	0.0005	190.08	1.32	0.00005	0.007
UCL	0.0010	0.0013	0.82	1.30	0.12	0.0005	194.62	1.35	0.00005	0.007
Median	0.0010	0.0011	0.80	1.30	0.12	0.0005	188.00	1.32	0.00005	0.007
Standard Deviation	0.000013	0.00026	0.05	0.00000000000000000023	0.00000000000000000029	0.00	8.74	0.05	0.00	0.00000000000000000018
Coefficient of Variation	0.01	0.23	0.07	0.00000000000000000018	0.00000000000000000023	0.00	0.05	0.04	0.00	0.00000000000000000026
Skewness	-3.46	3.39	-0.21	-1.19	-1.15	--	1.04	0.79	--	-1.15
Minimum	0.0010	0.0010	0.70	1.30	0.12	0.0005	178.00	1.26	0.00005	0.007
Maximum	0.0010	0.0020	0.90	1.30	0.12	0.0005	210.00	1.42	0.00005	0.007
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	-7	-5	7	0	0	0	42	38	0	0
80% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.017	0.0001	0.0000	0.0000
A5										
Mean	0.0010	0.0013	0.48	1.82	0.30	0.0005	198.79	0.008	0.00004	0.005
UCL	0.0010	0.0016	0.50	1.82	0.47	0.0005	209.31	0.010	0.00004	0.005
Median	0.0010	0.0010	0.50	1.82	0.22	0.0005	190.50	0.008	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.0006	0.05	0.00	0.34	0.00000000000000000006	20.28	0.0032	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.50	0.10	0.00	1.15	0.00000000000000000013	0.10	0.38	0.00000000000000000018	0.00000000000000000018
Skewness	-1.15	2.56	-1.33	--	2.84	1.15	1.17	0.52	1.15	1.15
Minimum	0.0010	0.0010	0.40	1.82	0.05	0.0005	180.00	0.005	0.00004	0.005
Maximum	0.0010	0.0030	0.50	1.82	1.32	0.0005	238.00	0.01	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-13	-5	0	8	0	-40	15	0	0
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	-0.040	0.0000	0.0000	0.0000
A6										
Mean	0.0010	0.0014	0.63	1.30	0.08	0.0005	311.08	1.13	0.00004	0.009

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
A1											
Mean	0.008	1.20	7.92	0.05	23.00	2,474.17	0.005	423.29	8.83	663.33	--
UCL	0.008	1.26	8.02	--	24.19	2,554.56	0.005	435.42	9.10	766.02	--
Median	0.008	1.24	7.80	0.05	22.50	2,410.00	0.005	415.00	9.09	575.00	--
Standard Deviation	0.0000000000000000018	0.13	0.20	--	2.30	155.06	0.0006	23.39	0.51	198.05	--
Coefficient of Variation	0.0000000000000000023	0.11	0.03	--	0.10	0.06	0.11	0.06	0.06	0.30	--
Skewness	-1.15	-0.73	1.28	--	1.03	1.20	0.06	1.85	-1.02	1.27	--
Minimum	0.008	0.96	7.70	0.05	21.00	2,320.00	0.004	402.00	7.81	490.00	--
Maximum	0.008	1.35	8.30	0.05	28.00	2,800.00	0.006	482.50	9.33	1,100.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	37	-19	--	-45	-27	-1	-48	48	-43	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	Positive Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	--
95% confidence	No Trend	Positive Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	--
99% confidence	No Trend	Positive Trend	No Trend	--	Negative Trend	No Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	--
Sen Slope	0.0000	0.0004	-0.0002	--	-0.006	-0.234	0.0000	-0.031	0.001	-0.510	--
A2											
Mean	0.01	1.03	8.20	0.02	15.00	3,050.00	0.0025	481.00	7.17	1,200.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.01	1.03	8.20	0.02	15.00	3,050.00	0.0025	481.00	7.17	1,200.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	1.03	8.20	0.02	15.00	3,050.00	0.0025	481.00	7.17	1,200.00	--
Maximum	0.01	1.03	8.20	0.02	15.00	3,050.00	0.0025	481.00	7.17	1,200.00	--
Count (n)	1	1	1	1	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
A3											
Mean	0.008	0.01	7.58	0.05	20.00	3,273.33	0.0010	415.25	5.41	1,433.33	--
UCL	0.008	0.01	7.69	--	20.22	3,387.14	0.0010	421.24	5.50	1,467.10	--
Median	0.008	0.01	7.50	0.05	20.00	3,355.00	0.0010	417.50	5.42	1,400.00	--
Standard Deviation	0.0000000000000000018	0.0029	0.21	--	0.43	219.52	0.0000000000000000023	11.55	0.17	65.13	--
Coefficient of Variation	0.0000000000000000023	0.27	0.03	--	0.02	0.07	0.0000000000000000023	0.03	0.03	0.05	--
Skewness	-1.15	3.46	1.42	--	0.00	-1.64	-1.15	0.04	0.18	-0.44	--
Minimum	0.008	0.01	7.40	0.05	19.00	2,760.00	0.0010	398.00	5.19	1,300.00	--
Maximum	0.008	0.02	8.10	0.05	21.00	3,460.00	0.0010	433.00	5.70	1,500.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	11	-28	--	3	7	0	36	38	23	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	Positive Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0003	--	0.0000	0.065	0.0000	0.024	0.0004	0.0000	--
A4											
Mean	0.008	0.07	7.62	0.05	15.42	3,028.33	0.0010	360.92	4.79	1,350.00	--
UCL	0.008	0.08	7.70	--	15.76	3,120.86	0.0010	366.12	4.85	1,391.36	--
Median	0.008	0.06	7.55	0.05	15.50	3,100.00	0.0010	364.50	4.79	1,350.00	--
Standard Deviation	0.00	0.03	0.17	--	0.67	178.47	0.0000000000000000023	10.03	0.11	79.77	--
Coefficient of Variation	0.00	0.47	0.02	--	0.04	0.06	0.0000000000000000023	0.03	0.02	0.06	--
Skewness	--	0.12	1.03	--	-0.74	-1.66	-1.15	-0.38	0.005	0.00	--
Minimum	0.008	0.01	7.40	0.05	14.00	2,600.00	0.0010	343.00	4.64	1,200.00	--
Maximum	0.008	0.12	8.00	0.05	16.00	3,180.00	0.0010	374.00	4.95	1,500.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	-13	-15	--	27	22	0	27	8	38	--
80% confidence	No Trend	Negative Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0005	0.130	0.0000	0.021	0.0000	0.169	--
A5											
Mean	0.008	0.12	7.42	0.007	14.25	3,545.83	0.0018	471.04	5.80	1,625.83	--
UCL	0.008	0.19	7.54	--	15.08	3,636.54	0.0027	484.59	5.97	1,735.27	--
Median	0.008	0.06	7.40	0.007	14.00	3,500.00	0.0010	477.75	5.85	1,600.00	--
Standard Deviation	0.0000000000000000018	0.14	0.23	--	1.60	174.95	0.0017	26.13	0.32	211.08	--
Coefficient of Variation	0.0000000000000000023	1.18	0.03	--	0.11	0.05	0.95	0.06	0.05	0.13	--
Skewness	-1.15	1.64	1.11	--	0.15	1.06	2.01	0.52	-0.22	0.28	--
Minimum	0.008	0.01	7.00	0.007	12.00	3,320.00	0.0010	424.00	5.28	1,300.00	--
Maximum	0.008	0.41	8.00	0.007	17.00	3,940.00	0.006	530.00	6.31	2,010.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	-22	1	--	-35	-10	-30	-30	4	-27	--
80% confidence	No Trend	Negative Trend	No Trend	--	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	--
90% confidence	No Trend	Negative Trend	No Trend	--	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	-0.0001	0.0000	--	-0.004	-0.130	0.0000	-0.039	0.0001	-0.349	--
A6											
Mean	0.008	0.29	7.66	0.03	26.46	5,597.50	0.0010	883.25	9.31	2,883.33	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
A1								
Mean	1,650.00	--	679.17	0.05	--	--	0.27	0.010
UCL	1,768.74	--	705.09	--	--	--	0.29	0.010
Median	1,570.00	--	690.00	0.05	--	--	0.29	0.010
Standard Deviation	229.03	--	49.99	--	--	--	0.04	0.00000000000000000018
Coefficient of Variation	0.14	--	0.07	--	--	--	0.16	0.00000000000000000019
Skewness	1.36	--	-0.81	--	--	--	-0.91	1.15
Minimum	1,420.00	--	580.00	0.05	--	--	0.20	0.010
Maximum	2,180.00	--	730.00	0.05	--	--	0.30	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-37	--	33	--	--	--	6	0
80% confidence	Negative Trend	--	Positive Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	Positive Trend	--	--	--	No Trend	No Trend
95% confidence	Negative Trend	--	Positive Trend	--	--	--	No Trend	No Trend
99% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.451	--	0.111	--	--	--	0.0000	0.0000
A2								
Mean	2,380.00	--	610.00	0.05	--	--	0.10	0.01
UCL	--	--	--	--	--	--	--	--
Median	2,380.00	--	610.00	0.05	--	--	0.10	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	2,380.00	--	610.00	0.05	--	--	0.10	0.01
Maximum	2,380.00	--	610.00	0.05	--	--	0.10	0.01
Count (n)	1	--	1	1	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
A3								
Mean	2,519.17	--	616.67	0.10	--	--	0.08	0.010
UCL	2,589.86	--	628.43	--	--	--	0.08	0.010
Median	2,540.00	--	625.00	0.10	--	--	0.08	0.010
Standard Deviation	136.35	--	22.70	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	-1.13	--	-1.69	--	--	--	--	1.15
Minimum	2,200.00	--	560.00	0.10	--	--	0.08	0.010
Maximum	2,660.00	--	640.00	0.10	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	11	--	-1	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.099	--	0.0000	--	--	--	0.0000	0.0000
A4								
Mean	2,340.00	--	535.83	0.05	--	--	0.08	0.010
UCL	2,400.06	--	545.83	--	--	--	0.08	0.010
Median	2,355.00	--	540.00	0.05	--	--	0.08	0.010
Standard Deviation	115.84	--	19.29	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	-1.14	--	-1.20	--	--	--	--	1.15
Minimum	2,060.00	--	490.00	0.05	--	--	0.08	0.010
Maximum	2,510.00	--	560.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	21	--	11	--	--	--	0	0
80% confidence	Positive Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	Positive Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.143	--	0.006	--	--	--	0.0000	0.0000
A5								
Mean	2,875.00	--	641.58	0.05	--	--	0.08	0.010
UCL	3,032.56	--	661.29	--	--	--	0.08	0.010
Median	2,745.00	--	645.00	0.05	--	--	0.08	0.010
Standard Deviation	303.90	--	38.01	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.11	--	0.06	--	--	--	0.00	0.00000000000000000019
Skewness	0.97	--	-0.81	--	--	--	--	1.15
Minimum	2,530.00	--	570.00	0.05	--	--	0.08	0.010
Maximum	3,390.00	--	680.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-42	--	-2	--	--	--	0	0
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.640	--	0.0000	--	--	--	0.0000	0.0000
A6								
Mean	4,708.33	--	755.00	0.05	--	--	0.08	0.010

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
UCL	0.15	0.0025	0.02	0.0010	938.46	0.42	0.00007	183.70	1.50	22.74
Median	0.08	0.0025	0.02	0.0010	925.00	0.41	0.00007	165.50	1.50	21.00
Standard Deviation	0.09	0.000000000000000005	0.003	0.000000000000000011	30.79	0.02	0.000012	22.73	0.00	5.93
Coefficient of Variation	0.92	0.000000000000000018	0.17	0.000000000000000012	0.03	0.06	0.17	0.13	0.00	0.30
Skewness	3.46	1.15	1.84	1.15	-1.78	-0.35	-3.46	1.73	--	-0.23
Minimum	0.08	0.0025	0.02	0.0010	840.00	0.37	0.000030	143.00	1.50	9.00
Maximum	0.40	0.0025	0.03	0.0010	960.00	0.44	0.00007	228.00	1.50	28.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	0	-31	0	7	26	-9	-3	0	-22
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.003	0.0000	-0.007
A7										
Mean	0.09	0.0030	0.02	0.0010	747.50	0.41	0.00007	132.17	3.17	14.58
UCL	0.10	0.0030	0.02	0.0010	762.99	0.42	0.00007	134.91	5.11	15.76
Median	0.08	0.0030	0.02	0.0010	750.00	0.41	0.00007	129.50	1.60	16.00
Standard Deviation	0.04	0.000000000000000005	0.0007	0.000000000000000011	29.89	0.02	0.000000000000000014	5.29	3.76	2.27
Coefficient of Variation	0.42	0.000000000000000015	0.04	0.000000000000000012	0.04	0.06	0.000000000000000021	0.04	1.19	0.16
Skewness	3.46	1.15	0.000000000000025	1.15	-1.62	0.19	1.15	0.95	2.29	-0.66
Minimum	0.08	0.0030	0.02	0.0010	670.00	0.37	0.00007	125.00	1.60	11.00
Maximum	0.20	0.0030	0.02	0.0010	780.00	0.45	0.00007	144.00	13.00	17.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	1	0	7	0	3	33	0	13	-5	8
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.003	0.0000	0.0000
A8										
Mean	0.05	0.004	0.02	0.0008	740.00	0.44	0.000030	117.50	1.00	5.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.05	0.004	0.02	0.0008	740.00	0.44	0.000030	117.50	1.00	5.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.05	0.004	0.02	0.0008	740.00	0.44	0.000030	117.50	1.00	5.00
Maximum	0.05	0.004	0.02	0.0008	740.00	0.44	0.000030	117.50	1.00	5.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
A9										
Mean	0.59	0.0025	0.06	0.0008	720.00	0.47	0.00005	105.00	1.00	11.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.59	0.0025	0.06	0.0008	720.00	0.47	0.00005	105.00	1.00	11.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.59	0.0025	0.06	0.0008	720.00	0.47	0.00005	105.00	1.00	11.00
Maximum	0.59	0.0025	0.06	0.0008	720.00	0.47	0.00005	105.00	1.00	11.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF1-2										
Mean	0.08	0.0030	0.02	0.0009	600.00	0.58	0.00007	55.13	4.58	7.67
UCL	0.08	0.0030	0.02	0.0009	617.96	0.60	0.00007	56.37	6.37	8.18
Median	0.08	0.0030	0.02	0.0009	615.00	0.58	0.00007	55.50	3.00	7.50
Standard Deviation	0.007	0.000000000000000005	0.0009	0.000000000000000011	34.64	0.03	0.000000000000000014	2.39	3.45	0.98
Coefficient of Variation	0.09	0.000000000000000015	0.04	0.000000000000000012	0.06	0.06	0.000000000000000021	0.04	0.75	0.13
Skewness	3.46	1.15	1.18	-1.17	-0.98	0.75	1.15	-0.39	1.46	0.13
Minimum	0.08	0.0030	0.02	0.0009	540.00	0.54	0.00007	51.00	2.00	6.00
Maximum	0.10	0.0030	0.02	0.0009	640.00	0.65	0.00007	59.00	13.00	9.00
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	5	0	2	0	-2	5	0	13	9	10
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.002	0.0000	0.0000
AVF2-2										
Mean	0.08	0.004	0.02	0.0009	589.09	0.52	0.00007	109.64	2.36	7.91
UCL	0.08	0.004	0.02	0.0009	603.64	0.54	0.00007	112.63	3.64	9.07
Median	0.08	0.004	0.02	0.0009	600.00	0.52	0.00007	109.00	1.38	9.00
Standard Deviation	0.000000000000000015	0.0005	0.0022	0.000000000000000011	26.63	0.03	0.000000000000000014	5.48	2.34	2.12
Coefficient of Variation	0.000000000000000019	0.14	0.10	0.000000000000000012	0.05	0.06	0.000000000000000021	0.05	0.99	0.27
Skewness	-1.17	-0.43	2.79	-1.17	-1.12	-0.20	-1.17	-0.12	2.76	-1.17
Minimum	0.08	0.0030	0.02	0.0009	530.00	0.46	0.00007	100.00	1.38	3.00
Maximum	0.08	0.004	0.03	0.0009	620.00	0.57	0.00007	118.00	9.00	11.00

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
UCL	0.0010	0.0016	0.68	1.30	0.08	0.0005	332.92	1.17	0.00005	0.010
Median	0.0010	0.0013	0.65	1.30	0.08	0.0005	300.00	1.15	0.00005	0.009
Standard Deviation	0.00000000000000000023	0.0004	0.11	0.00000000000000023	0.00000000000000014	0.00	42.13	0.07	0.000008	0.0006
Coefficient of Variation	0.00000000000000000023	0.29	0.18	0.00000000000000018	0.00000000000000019	0.00	0.14	0.06	0.17	0.07
Skewness	-1.15	0.88	-2.36	-1.19	-1.15	--	2.40	0.14	-3.46	-0.17
Minimum	0.0010	0.0010	0.30	1.30	0.08	0.0005	262.00	1.04	0.000020	0.008
Maximum	0.0010	0.0020	0.70	1.30	0.08	0.0005	432.00	1.26	0.00005	0.01
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	0	-11	13	0	0	0	-10	-4	-7	27
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.018	0.0000	0.0000	0.0000
A7										
Mean	0.0010	0.0010	0.88	1.30	5.14	0.0005	203.63	0.53	0.00004	0.005
UCL	0.0010	0.0010	0.90	1.30	5.36	0.0005	207.08	0.54	0.00004	0.005
Median	0.0010	0.0010	0.90	1.30	5.23	0.0005	202.25	0.53	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.04	0.00000000000000023	0.42	0.00000000000000000006	6.66	0.02	0.000006	0.00029
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.04	0.00000000000000018	0.08	0.00000000000000013	0.03	0.04	0.16	0.06
Skewness	-1.15	-1.15	-2.06	-1.19	-1.22	1.15	0.15	0.25	-3.46	3.46
Minimum	0.0010	0.0010	0.80	1.30	4.23	0.0005	193.00	0.50	0.000020	0.005
Maximum	0.0010	0.0010	0.90	1.30	5.71	0.0005	214.00	0.56	0.00004	0.006
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	0	0	6	0	-2	0	31	3	-7	9
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.012	0.0000	0.0000	0.0000
A8										
Mean	0.0010	0.0010	0.90	1.00	5.21	0.00030	189.00	0.36	0.000005	0.008
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.0010	0.90	1.00	5.21	0.00030	189.00	0.36	0.000005	0.008
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	0.90	1.00	5.21	0.00030	189.00	0.36	0.000005	0.008
Maximum	0.0010	0.0010	0.90	1.00	5.21	0.00030	189.00	0.36	0.000005	0.008
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
A9										
Mean	0.0025	0.0030	1.00	1.00	3.25	0.0011	176.00	0.65	0.000005	0.008
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0025	0.0030	1.00	1.00	3.25	0.0011	176.00	0.65	0.000005	0.008
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0025	0.0030	1.00	1.00	3.25	0.0011	176.00	0.65	0.000005	0.008
Maximum	0.0025	0.0030	1.00	1.00	3.25	0.0011	176.00	0.65	0.000005	0.008
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF1-2										
Mean	0.0013	0.0014	1.43	1.30	1.56	0.0005	66.42	0.19	0.00004	0.010
UCL	0.0017	0.0022	1.47	1.30	1.64	0.0005	67.26	0.19	0.00005	0.01
Median	0.0010	0.0010	1.40	1.30	1.56	0.0005	66.00	0.19	0.00005	0.01
Standard Deviation	0.0009	0.0014	0.09	0.00000000000000023	0.15	0.00000000000000000006	1.62	0.006	0.000010	0.0004
Coefficient of Variation	0.69	1.02	0.06	0.00000000000000018	0.09	0.00000000000000013	0.02	0.03	0.24	0.04
Skewness	3.46	3.46	0.44	-1.19	-0.05	1.15	0.41	-0.16	-3.46	-2.06
Minimum	0.0010	0.0010	1.30	1.30	1.32	0.0005	64.00	0.18	0.000010	0.009
Maximum	0.004	0.006	1.60	1.30	1.77	0.0005	69.00	0.20	0.00005	0.01
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	-5	11	-3	0	-29	0	26	5	-7	6
80% confidence	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.002	0.0000	0.0000	0.0000
AVF2-2										
Mean	0.0010	0.0010	0.77	1.30	4.52	0.0004	178.41	0.77	0.00004	0.009
UCL	0.0010	0.0010	0.81	1.30	4.66	0.0004	184.04	0.80	0.00005	0.009
Median	0.0010	0.0010	0.80	1.30	4.53	0.0004	183.00	0.76	0.00004	0.009
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.06	0.00000000000000023	0.25	0.00000000000000000006	10.30	0.05	0.000019	0.0005
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.08	0.00000000000000018	0.06	0.00000000000000013	0.06	0.07	0.45	0.06
Skewness	-1.17	-1.17	0.29	-1.19	-0.11	1.17	-0.30	0.88	3.32	-0.000000000000006
Minimum	0.0010	0.0010	0.70	1.30	4.16	0.0004	162.00	0.71	0.00004	0.008
Maximum	0.0010	0.0010	0.90	1.30	4.89	0.0004	194.00	0.88	0.00010	0.009

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
UCL	0.010	0.65	7.78	--	27.59	5,817.75	0.0010	925.58	9.55	3,090.52	--
Median	0.01	0.03	7.55	0.03	26.00	5,580.00	0.0010	855.50	9.25	2,800.00	--
Standard Deviation	0.003	0.69	0.23	--	2.19	424.82	0.00000000000000000023	81.65	0.45	399.62	--
Coefficient of Variation	0.41	2.39	0.03	--	0.08	0.08	0.00000000000000000023	0.09	0.05	0.14	--
Skewness	-1.35	3.03	1.56	--	0.75	0.91	-1.15	1.95	2.37	1.75	--
Minimum	0.0020	0.01	7.50	0.03	22.50	4,810.00	0.0010	821.00	8.85	2,400.00	--
Maximum	0.01	2.39	8.20	0.03	31.00	6,650.00	0.0010	1,070.00	10.60	3,900.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-25	-36	-14	--	-15	-7	0	-16	-30	-16	--
80% confidence	Negative Trend	Negative Trend	Negative Trend	--	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	--
95% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	--
99% confidence	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	-0.0001	0.0000	--	0.0000	-0.100	0.0000	-0.045	-0.0004	-0.221	--
A7											
Mean	0.008	0.10	7.64	0.02	19.92	3,761.67	0.0010	529.42	6.69	1,716.67	--
UCL	0.008	0.25	7.74	--	20.18	3,906.07	0.0010	538.42	6.82	1,759.95	--
Median	0.008	0.01	7.60	0.02	20.00	3,830.00	0.0010	534.00	6.62	1,700.00	--
Standard Deviation	0.00000000000000000018	0.30	0.19	--	0.51	278.53	0.00000000000000000023	17.36	0.25	83.48	--
Coefficient of Variation	0.00000000000000000023	3.02	0.03	--	0.03	0.07	0.00000000000000000023	0.03	0.04	0.05	--
Skewness	-1.15	3.46	2.48	--	-0.21	-0.99	-1.15	0.02	0.79	-0.35	--
Minimum	0.008	0.01	7.50	0.02	19.00	3,200.00	0.0010	504.00	6.41	1,600.00	--
Maximum	0.008	1.05	8.20	0.02	21.00	4,200.00	0.0010	558.00	7.22	1,800.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	14	-19	--	11	21	0	10	-1	33	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	0.377	0.0000	0.008	0.0000	0.165	--
A8											
Mean	0.0020	0.02	7.60	--	28.50	3,610.00	0.0010	524.50	7.11	1,400.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.0020	0.02	7.60	--	28.50	3,610.00	0.0010	524.50	7.11	1,400.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	0.02	7.60	--	28.50	3,610.00	0.0010	524.50	7.11	1,400.00	--
Maximum	0.0020	0.02	7.60	--	28.50	3,610.00	0.0010	524.50	7.11	1,400.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
A9											
Mean	0.0030	0.01	7.70	--	20.50	3,560.00	0.0010	451.50	5.89	1,300.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.0030	0.01	7.70	--	20.50	3,560.00	0.0010	451.50	5.89	1,300.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0030	0.01	7.70	--	20.50	3,560.00	0.0010	451.50	5.89	1,300.00	--
Maximum	0.0030	0.01	7.70	--	20.50	3,560.00	0.0010	451.50	5.89	1,300.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF1-2											
Mean	0.008	0.02	7.73	0.03	16.13	1,709.17	0.0010	245.46	5.27	469.17	--
UCL	0.008	0.03	7.85	--	16.54	1,751.14	0.0010	248.35	5.31	491.32	--
Median	0.008	0.01	7.65	0.03	16.00	1,735.00	0.0010	245.50	5.27	470.00	--
Standard Deviation	0.00	0.02	0.23	--	0.80	80.96	0.00000000000000000023	5.58	0.08	42.74	--
Coefficient of Variation	0.00	1.25	0.03	--	0.05	0.05	0.00000000000000000023	0.02	0.02	0.09	--
Skewness	--	3.30	2.54	--	-0.65	-1.10	-1.15	0.0014	-0.16	-0.39	--
Minimum	0.008	0.01	7.60	0.03	14.50	1,530.00	0.0010	236.00	5.13	390.00	--
Maximum	0.008	0.09	8.40	0.03	17.00	1,820.00	0.0010	254.00	5.38	540.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	11	-32	--	21	19	0	42	33	36	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	0.0000	0.078	0.0000	0.012	0.0002	0.091	--
AVF2-2											
Mean	0.008	0.04	7.59	0.02	21.59	3,317.27	0.0010	441.18	6.04	1,490.91	--
UCL	0.008	0.10	7.70	--	22.20	3,384.06	0.0010	450.28	6.12	1,536.32	--
Median	0.008	0.01	7.50	0.02	22.00	3,340.00	0.0010	447.00	6.02	1,500.00	--
Standard Deviation	0.00	0.10	0.21	--	1.11	122.24	0.00000000000000000023	16.65	0.13	83.12	--
Coefficient of Variation	0.00	2.37	0.03	--	0.05	0.04	0.00000000000000000023	0.04	0.02	0.06	--
Skewness	--	3.30	3.03	--	-0.68	-1.34	-1.17	-0.90	0.02	0.19	--
Minimum	0.008	0.01	7.50	0.02	19.50	3,060.00	0.0010	410.00	5.83	1,400.00	--
Maximum	0.008	0.34	8.20	0.02	23.00	3,440.00	0.0010	460.00	6.23	1,600.00	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
UCL	5,044.03	--	767.60	--	--	--	0.08	0.010
Median	4,560.00	--	755.00	0.05	--	--	0.08	0.010
Standard Deviation	647.48	--	24.31	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.14	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	1.73	--	-1.80	--	--	--	--	1.15
Minimum	3,930.00	--	690.00	0.05	--	--	0.08	0.010
Maximum	6,380.00	--	780.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-9	--	8	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.349	--	0.0000	--	--	--	0.0000	0.0000
A7								
Mean	2,894.17	--	615.00	0.61	--	--	0.08	0.010
UCL	2,962.29	--	626.16	--	--	--	0.08	0.010
Median	2,905.00	--	620.00	0.61	--	--	0.08	0.010
Standard Deviation	131.39	--	21.53	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	-0.42	--	-1.57	--	--	--	--	1.15
Minimum	2,640.00	--	560.00	0.61	--	--	0.08	0.010
Maximum	3,110.00	--	640.00	0.61	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	8	--	7	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.028	--	0.0000	--	--	--	0.0000	0.0000
A8								
Mean	2,520.00	--	610.00	--	--	--	0.01	0.008
UCL	--	--	--	--	--	--	--	--
Median	2,520.00	--	610.00	--	--	--	0.01	0.008
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	2,520.00	--	610.00	--	--	--	0.01	0.008
Maximum	2,520.00	--	610.00	--	--	--	0.01	0.008
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
A9								
Mean	2,520.00	--	590.00	--	--	--	0.01	0.01
UCL	--	--	--	--	--	--	--	--
Median	2,520.00	--	590.00	--	--	--	0.01	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	2,520.00	--	590.00	--	--	--	0.01	0.01
Maximum	2,520.00	--	590.00	--	--	--	0.01	0.01
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF1-2								
Mean	1,133.33	--	497.50	0.13	--	--	0.08	0.010
UCL	1,150.93	--	510.41	--	--	--	0.08	0.010
Median	1,130.00	--	505.00	0.13	--	--	0.08	0.010
Standard Deviation	33.93	--	24.91	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.03	--	0.05	--	--	--	0.00	0.00000000000000000019
Skewness	0.04	--	-0.93	--	--	--	--	1.15
Minimum	1,080.00	--	450.00	0.13	--	--	0.08	0.010
Maximum	1,190.00	--	520.00	0.13	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-8	--	-6	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.028	--	0.0000	--	--	--	0.0000	0.0000
AVF2-2								
Mean	2,490.91	--	485.45	0.16	--	--	0.08	0.009
UCL	2,597.73	--	495.64	--	--	--	0.08	0.009
Median	2,530.00	--	490.00	0.16	--	--	0.08	0.009
Standard Deviation	195.52	--	18.64	--	--	--	0.00000000000000000015	0.00000000000000000018
Coefficient of Variation	0.08	--	0.04	--	--	--	0.00000000000000000019	0.00000000000000000019
Skewness	-1.21	--	-0.77	--	--	--	1.17	-1.17
Minimum	2,020.00	--	450.00	0.16	--	--	0.08	0.009
Maximum	2,750.00	--	510.00	0.16	--	--	0.08	0.009

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Count (n)	11	11	11	11	11	11	11	11	11	11
Mann-Kendall S	0	14	5	0	-2	19	0	26	1	2
80% confidence	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.010	0.0000	0.0000
AVF3-2										
Mean	0.08	0.0030	0.02	0.0010	850.00	0.36	0.00007	195.17	1.50	21.33
UCL	0.09	0.0030	0.02	0.0010	863.63	0.37	0.00007	200.07	1.50	23.43
Median	0.08	0.0030	0.02	0.0010	850.00	0.35	0.00007	196.00	1.50	21.50
Standard Deviation	0.02	0.0000000000000000005	0.0013	0.00000000000000000011	26.29	0.02	0.00000000000000000014	9.47	0.00	4.05
Coefficient of Variation	0.25	0.00000000000000015	0.06	0.00000000000000012	0.03	0.06	0.00000000000000021	0.05	0.00	0.19
Skewness	-2.95	1.15	0.94	1.15	-1.80	1.63	1.15	-0.82	--	0.02
Minimum	0.02	0.0030	0.02	0.0010	780.00	0.34	0.00007	174.00	1.50	15.00
Maximum	0.10	0.0030	0.02	0.0010	880.00	0.41	0.00007	209.00	1.50	28.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-21	0	-5	0	-5	24	0	12	0	-3
80% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.005	0.0000	-0.002
AVF3-P1										
Mean	0.03	0.005	0.06	0.0008	1,100.00	0.48	0.000030	304.00	1.00	69.50
UCL	--	--	--	--	--	--	--	487.11	--	116.86
Median	0.03	0.005	0.06	0.0008	1,100.00	0.48	0.000030	304.00	1.00	69.50
Standard Deviation	--	--	--	--	--	--	--	41.01	--	10.61
Coefficient of Variation	--	--	--	--	--	--	--	0.13	--	0.15
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.03	0.005	0.06	0.0008	1,100.00	0.48	0.000030	275.00	1.00	62.00
Maximum	0.03	0.005	0.06	0.0008	1,100.00	0.48	0.000030	333.00	1.00	77.00
Count (n)	1	1	1	1	1	1	1	2	1	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF3-P2										
Mean	0.01	0.0020	0.02	0.0008	1,050.00	0.57	0.000030	366.75	1.00	77.25
UCL	0.02	0.0020	0.03	0.0008	1,365.70	0.79	0.000030	419.59	1.00	91.92
Median	0.01	0.0020	0.02	0.0008	1,050.00	0.57	0.000030	370.00	1.00	75.50
Standard Deviation	0.0028	0.00	0.0028	0.00	70.71	0.05	0.00	44.91	0.00	12.47
Coefficient of Variation	0.26	0.00	0.16	0.00	0.07	0.09	0.00	0.12	0.00	0.16
Skewness	--	--	--	--	--	--	--	-0.14	--	0.80
Minimum	0.009	0.0020	0.02	0.0008	1,000.00	0.53	0.000030	319.00	1.00	64.00
Maximum	0.01	0.0020	0.02	0.0008	1,100.00	0.60	0.000030	408.00	1.00	94.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	2	--	-2
80% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF3-P3										
Mean	0.02	0.0015	0.03	0.0008	1,040.00	0.42	0.000030	248.50	1.00	55.00
UCL	0.10	0.005	0.03	0.0008	1,418.84	0.67	0.000030	312.98	1.00	72.29
Median	0.02	0.0015	0.03	0.0008	1,040.00	0.42	0.000030	249.00	1.00	48.00
Standard Deviation	0.02	0.0007	0.0014	0.00	84.85	0.06	0.00	54.81	0.00	14.70
Coefficient of Variation	0.84	0.47	0.05	0.00	0.08	0.13	0.00	0.22	0.00	0.27
Skewness	--	--	--	--	--	--	--	-0.02	--	1.98
Minimum	0.009	0.0010	0.03	0.0008	980.00	0.38	0.000030	192.00	1.00	47.00
Maximum	0.04	0.0020	0.03	0.0008	1,100.00	0.46	0.000030	304.00	1.00	77.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	2	--	3
80% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-1										
Mean	0.08	0.005	0.02	0.0009	960.00	0.48	0.00006	213.00	2.50	27.50
UCL	0.08	0.008	0.05	0.0009	1,149.42	0.63	0.00006	225.63	2.50	43.29
Median	0.08	0.005	0.02	0.0009	960.00	0.48	0.00006	213.00	2.50	27.50
Standard Deviation	0.00	0.0007	0.005	0.00	42.43	0.04	0.00	2.83	0.00	3.54
Coefficient of Variation	0.00	0.16	0.20	0.00	0.04	0.07	0.00	0.01	0.00	0.13
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.08	0.004	0.02	0.0009	930.00	0.45	0.00006	211.00	2.50	25.00
Maximum	0.08	0.005	0.03	0.0009	990.00	0.50	0.00006	215.00	2.50	30.00
Count (n)	2	2	2	2	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Count (n)	11	11	11	10	11	11	11	11	11	11
Mann-Kendall S	0	0	2	0	11	0	27	-3	-10	5
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000	0.021	0.0000	0.0000	0.0000
AVF3-2										
Mean	0.0010	0.0010	0.62	1.30	1.77	0.0005	311.79	1.63	0.00004	0.005
UCL	0.0010	0.0010	0.64	1.30	1.84	0.0005	316.80	1.65	0.00004	0.005
Median	0.0010	0.0010	0.60	1.30	1.75	0.0005	315.50	1.64	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.04	0.00000000000000023	0.13	0.00000000000000000006	9.66	0.04	0.00	0.00029
Coefficient of Variation	0.0000000000000023	0.0000000000000023	0.06	0.00000000000000018	0.07	0.00000000000000013	0.03	0.02	0.00	0.06
Skewness	-1.15	-1.15	2.06	-1.19	1.82	1.15	-0.77	-0.21	--	3.46
Minimum	0.0010	0.0010	0.60	1.30	1.62	0.0005	295.00	1.58	0.00004	0.005
Maximum	0.0010	0.0010	0.70	1.30	2.12	0.0005	324.00	1.69	0.00004	0.006
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	0	0	14	0	-33	0	29	8	0	3
80% confidence	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.015	0.0000	0.0000	0.0000
AVF3-P1										
Mean	0.0010	0.0010	0.60	1.00	3.52	0.00030	254.50	9.75	0.000030	0.01
UCL	--	--	--	--	--	--	371.31	--	--	--
Median	0.0010	0.0010	0.60	1.00	3.52	0.00030	254.50	9.75	0.000030	0.01
Standard Deviation	--	--	--	--	--	--	26.16	--	--	--
Coefficient of Variation	--	--	--	--	--	--	0.10	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	0.60	1.00	3.52	0.00030	236.00	9.75	0.000030	0.01
Maximum	0.0010	0.0010	0.60	1.00	3.52	0.00030	273.00	9.75	0.000030	0.01
Count (n)	1	1	1	1	1	1	2	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF3-P2										
Mean	0.0010	0.0015	0.75	1.00	0.87	0.00030	842.75	5.00	0.000013	0.007
UCL	0.0010	0.005	1.07	1.00	2.45	0.00030	1,064.54	6.33	0.00006	0.010
Median	0.0010	0.0015	0.75	1.00	0.87	0.00030	841.00	5.00	0.000013	0.007
Standard Deviation	0.00	0.0007	0.07	0.00	0.35	0.00	188.51	0.30	0.000011	0.0007
Coefficient of Variation	0.00	0.47	0.09	0.00	0.41	0.00	0.22	0.06	0.85	0.11
Skewness	--	--	--	--	--	--	0.009	--	--	--
Minimum	0.0010	0.0010	0.70	1.00	0.62	0.00030	669.00	4.79	0.000005	0.006
Maximum	0.0010	0.0020	0.80	1.00	1.12	0.00030	1,020.00	5.21	0.000020	0.007
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	2	--	--	--
80% confidence	--	--	--	--	--	--	No Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF3-P3										
Mean	0.0010	0.0015	0.55	1.00	0.23	0.00030	385.75	1.06	0.000013	0.008
UCL	0.0010	0.005	0.87	1.00	1.05	0.00030	496.66	3.45	0.00006	0.01
Median	0.0010	0.0015	0.55	1.00	0.23	0.00030	381.50	1.06	0.000013	0.008
Standard Deviation	0.00	0.0007	0.07	0.00	0.18	0.00	94.27	0.54	0.000011	0.0014
Coefficient of Variation	0.00	0.47	0.13	0.00	0.80	0.00	0.24	0.50	0.85	0.18
Skewness	--	--	--	--	--	--	0.07	--	--	--
Minimum	0.0010	0.0010	0.50	1.00	0.10	0.00030	298.00	0.68	0.000005	0.007
Maximum	0.0010	0.0020	0.60	1.00	0.36	0.00030	482.00	1.44	0.000020	0.009
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	2	--	--	--
80% confidence	--	--	--	--	--	--	No Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-1										
Mean	0.0010	0.0010	0.80	1.00	6.61	0.0004	412.25	2.33	0.00004	0.008
UCL	0.0010	0.0010	0.80	--	12.67	0.0004	536.95	2.55	0.00004	0.008
Median	0.0010	0.0010	0.80	1.00	6.61	0.0004	412.25	2.33	0.00004	0.008
Standard Deviation	0.00	0.00	0.00	--	1.36	0.00	27.93	0.05	0.00	0.00
Coefficient of Variation	0.00	0.00	0.00	--	0.21	0.00	0.07	0.02	0.00	0.00
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	0.80	1.00	5.65	0.0004	392.50	2.29	0.00004	0.008
Maximum	0.0010	0.0010	0.80	1.00	7.57	0.0004	432.00	2.36	0.00004	0.008
Count (n)	2	2	2	1	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Count (n)	11	11	11	1	11	11	11	11	11	11	--
Mann-Kendall S	0	9	-23	--	27	34	0	26	10	24	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.002	0.183	0.0000	0.025	0.0001	0.162	--
AVF3-2											
Mean	0.008	0.01	7.55	0.03	24.13	4,775.83	0.0010	624.21	6.46	2,408.33	--
UCL	0.008	0.02	7.71	--	24.54	4,926.75	0.0010	632.94	6.55	2,464.51	--
Median	0.008	0.01	7.45	0.03	24.00	4,870.00	0.0010	619.00	6.49	2,450.00	--
Standard Deviation	0.0000000000000000018	0.01	0.31	--	0.80	291.09	0.00000000000000000023	16.83	0.18	108.36	--
Coefficient of Variation	0.00000000000000023	1.02	0.04	--	0.03	0.06	0.00000000000000000023	0.03	0.03	0.04	--
Skewness	-1.15	3.46	3.02	--	-0.65	-1.41	-1.15	0.44	0.51	-0.71	--
Minimum	0.008	0.01	7.40	0.03	22.50	4,110.00	0.0010	602.00	6.20	2,200.00	--
Maximum	0.008	0.06	8.50	0.03	25.00	5,080.00	0.0010	654.00	6.83	2,500.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	3	-23	--	23	15	0	16	1	41	--
80% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0003	0.327	0.0000	0.015	0.0000	0.261	--
AVF3-P1											
Mean	0.02	0.08	7.50	--	17.50	5,530.00	0.0010	716.50	7.36	2,700.00	--
UCL	--	0.23	8.13	--	45.91	6,729.66	--	770.17	8.71	3,331.40	--
Median	0.02	0.08	7.50	--	17.50	5,530.00	0.0010	716.50	7.36	2,700.00	--
Standard Deviation	--	0.04	0.14	--	6.36	268.70	--	12.02	0.30	141.42	--
Coefficient of Variation	--	0.47	0.02	--	0.36	0.05	--	0.02	0.04	0.05	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.05	7.40	--	13.00	5,340.00	0.0010	708.00	7.14	2,600.00	--
Maximum	0.02	0.10	7.60	--	22.00	5,720.00	0.0010	725.00	7.57	2,800.00	--
Count (n)	1	2	2	--	2	2	1	2	2	2	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF3-P2											
Mean	0.02	0.01	7.33	--	25.25	11,020.00	0.0010	1,667.50	10.91	6,975.00	--
UCL	0.03	0.02	7.38	--	26.73	12,696.31	0.0010	2,074.87	12.28	8,785.88	--
Median	0.02	0.01	7.30	--	25.00	11,060.00	0.0010	1,670.00	10.90	6,750.00	--
Standard Deviation	0.0028	0.005	0.05	--	1.26	1,424.83	0.00	346.25	1.16	1,539.21	--
Coefficient of Variation	0.18	0.40	0.007	--	0.05	0.13	0.00	0.21	0.11	0.22	--
Skewness	--	2.00	2.00	--	1.13	-0.02	--	-0.01	0.02	0.57	--
Minimum	0.01	0.01	7.30	--	24.00	9,660.00	0.0010	1,330.00	9.74	5,500.00	--
Maximum	0.02	0.02	7.40	--	27.00	12,300.00	0.0010	2,000.00	12.10	8,900.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	1	1	--	-5	2	--	2	2	2	--
80% confidence	--	No Trend	No Trend	--	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF3-P3											
Mean	0.006	0.01	7.45	--	19.75	6,682.50	0.0010	1,006.50	9.31	3,400.00	--
UCL	0.006	0.01	7.52	--	21.23	7,649.59	0.0010	1,223.75	10.06	4,301.13	--
Median	0.006	0.01	7.45	--	20.00	6,630.00	0.0010	1,012.00	9.23	3,200.00	--
Standard Deviation	0.00	0.00	0.06	--	1.26	822.00	0.00	184.65	0.65	765.94	--
Coefficient of Variation	0.00	0.00	0.008	--	0.06	0.12	0.00	0.18	0.07	0.23	--
Skewness	--	--	0.00	--	-1.13	0.11	--	-0.05	0.47	0.85	--
Minimum	0.006	0.01	7.40	--	18.00	5,930.00	0.0010	822.00	8.66	2,800.00	--
Maximum	0.006	0.01	7.50	--	21.00	7,540.00	0.0010	1,180.00	10.10	4,400.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	0	4	--	1	2	--	4	4	3	--
80% confidence	--	No Trend	Positive Trend	--	No Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF4-1											
Mean	0.006	0.01	7.70	0.02	26.50	5,520.00	0.0010	863.75	7.98	2,950.00	--
UCL	0.03	0.01	9.59	--	29.66	9,308.40	0.0010	1,559.87	13.37	3,897.10	--
Median	0.006	0.01	7.70	0.02	26.50	5,520.00	0.0010	863.75	7.98	2,950.00	--
Standard Deviation	0.006	0.00	0.42	--	0.71	848.53	0.00	155.92	1.21	212.13	--
Coefficient of Variation	0.94	0.00	0.06	--	0.03	0.15	0.00	0.18	0.15	0.07	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	0.01	7.40	0.02	26.00	4,920.00	0.0010	753.50	7.12	2,800.00	--
Maximum	0.01	0.01	8.00	0.02	27.00	6,120.00	0.0010	974.00	8.83	3,100.00	--
Count (n)	2	2	2	1	2	2	2	2	2	2	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Count (n)	11	--	11	1	--	--	11	11
Mann-Kendall S	1	--	-7	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	-0.020	--	--	--	0.0000	0.0000
AVF3-2								
Mean	4,047.50	--	698.33	0.18	--	--	0.08	0.010
UCL	4,151.57	--	710.00	--	--	--	0.08	0.010
Median	4,115.00	--	700.00	0.18	--	--	0.08	0.010
Standard Deviation	200.73	--	22.50	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	-0.77	--	-1.65	--	--	--	--	1.15
Minimum	3,700.00	--	640.00	0.18	--	--	0.08	0.010
Maximum	4,270.00	--	720.00	0.18	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	2	--	-4	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	0.0000	--	--	--	0.0000	0.0000
AVF3-P1								
Mean	4,860.00	--	920.00	--	--	--	0.01	0.008
UCL	5,365.12	--	--	--	--	--	--	--
Median	4,860.00	--	920.00	--	--	--	0.01	0.008
Standard Deviation	113.14	--	--	--	--	--	--	--
Coefficient of Variation	0.02	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	4,780.00	--	920.00	--	--	--	0.01	0.008
Maximum	4,940.00	--	920.00	--	--	--	0.01	0.008
Count (n)	2	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF3-P2								
Mean	10,885.00	--	880.00	--	--	--	0.01	0.008
UCL	14,213.61	--	1,006.28	--	--	--	0.01	0.008
Median	11,060.00	--	880.00	--	--	--	0.01	0.008
Standard Deviation	2,829.25	--	28.28	--	--	--	0.00	0.00
Coefficient of Variation	0.26	--	0.03	--	--	--	0.00	0.00
Skewness	-0.11	--	--	--	--	--	--	--
Minimum	7,920.00	--	860.00	--	--	--	0.01	0.008
Maximum	13,500.00	--	900.00	--	--	--	0.01	0.008
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	4	--	--	--	--	--	--	--
80% confidence	Positive Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF3-P3								
Mean	5,642.50	--	845.00	--	--	--	0.01	0.01
UCL	7,344.36	--	1,129.13	--	--	--	0.01	0.04
Median	5,735.00	--	845.00	--	--	--	0.01	0.01
Standard Deviation	1,446.54	--	63.64	--	--	--	0.00	0.007
Coefficient of Variation	0.26	--	0.08	--	--	--	0.00	0.54
Skewness	-0.14	--	--	--	--	--	--	--
Minimum	4,090.00	--	800.00	--	--	--	0.01	0.008
Maximum	7,010.00	--	890.00	--	--	--	0.01	0.02
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	4	--	--	--	--	--	--	--
80% confidence	Positive Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF4-1								
Mean	4,995.00	--	785.00	0.69	--	--	0.06	0.009
UCL	5,721.11	--	942.85	--	--	--	0.06	0.009
Median	4,995.00	--	785.00	0.69	--	--	0.06	0.009
Standard Deviation	162.63	--	35.36	--	--	--	0.00	0.00
Coefficient of Variation	0.03	--	0.05	--	--	--	0.00	0.00
Skewness	--	--	--	--	--	--	--	--
Minimum	4,880.00	--	760.00	0.69	--	--	0.06	0.009
Maximum	5,110.00	--	810.00	0.69	--	--	0.06	0.009
Count (n)	2	--	2	1	--	--	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
AVF4-P1										
Mean	0.02	0.0010	0.01	0.0008	1,050.00	1.32	0.000030	42.00	2.00	40.50
UCL	0.12	0.0010	0.01	0.0008	1,365.70	1.64	0.000030	45.84	8.31	46.91
Median	0.02	0.0010	0.01	0.0008	1,050.00	1.32	0.000030	42.00	2.00	41.50
Standard Deviation	0.02	0.00	0.00	0.00	70.71	0.07	0.00	3.27	1.41	5.45
Coefficient of Variation	0.87	0.00	0.00	0.00	0.07	0.05	0.00	0.08	0.71	0.13
Skewness	--	--	--	--	--	--	--	0.00	--	-1.04
Minimum	0.009	0.0010	0.01	0.0008	1,000.00	1.27	0.000030	38.00	1.00	33.00
Maximum	0.04	0.0010	0.01	0.0008	1,100.00	1.37	0.000030	46.00	3.00	46.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	1	--	0
80% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-P2										
Mean	0.009	0.0020	0.02	0.0008	1,000.00	0.52	0.000030	205.50	1.00	26.25
UCL	0.009	0.0020	0.05	0.0008	1,000.00	0.52	0.000030	222.04	1.00	35.68
Median	0.009	0.0020	0.02	0.0008	1,000.00	0.52	0.000030	207.00	1.00	29.00
Standard Deviation	0.00	0.00	0.006	0.00	0.00	0.00	0.00	14.06	0.00	8.02
Coefficient of Variation	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.07	0.00	0.31
Skewness	--	--	--	--	--	--	--	-0.47	--	-1.35
Minimum	0.009	0.0020	0.02	0.0008	1,000.00	0.52	0.000030	188.00	1.00	15.00
Maximum	0.009	0.0020	0.03	0.0008	1,000.00	0.52	0.000030	220.00	1.00	32.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	-2	--	-5
80% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-P3										
Mean	--	--	--	--	--	--	--	269.00	--	8.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	--	--	--	--	--	--	--	269.00	--	8.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	--	--	--	--	--	--	--	269.00	--	8.00
Maximum	--	--	--	--	--	--	--	269.00	--	8.00
Count (n)	--	--	--	--	--	--	--	1	--	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF5-1										
Mean	0.19	0.0025	0.03	0.0009	537.50	0.63	0.00014	77.83	1.92	7.17
UCL	0.24	0.0025	0.03	0.0009	550.03	0.65	0.00027	80.39	2.58	7.82
Median	0.16	0.0025	0.02	0.0009	535.00	0.63	0.00007	76.00	1.55	7.00
Standard Deviation	0.10	0.0000000000000000005	0.006	0.00000000000000000011	24.17	0.03	0.00025	4.93	1.29	1.27
Coefficient of Variation	0.51	0.00000000000000018	0.23	0.00000000000000012	0.04	0.05	1.81	0.06	0.67	0.18
Skewness	3.46	1.15	3.20	-1.17	0.03	0.34	3.46	0.73	3.46	0.60
Minimum	0.16	0.0025	0.02	0.0009	490.00	0.59	0.00007	72.00	1.55	6.00
Maximum	0.50	0.0025	0.04	0.0009	580.00	0.69	0.0009	87.00	6.00	9.00
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-3	0	8	0	25	48	-7	41	3	26
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Negative Trend	Positive Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.039	0.0001	0.0000	0.012	0.0000	0.002
AVF6-3										
Mean	0.08	0.006	0.02	0.0010	729.17	0.45	0.00007	102.46	9.67	10.33
UCL	0.08	0.007	0.02	0.0010	749.24	0.47	0.00007	104.49	17.52	11.92
Median	0.08	0.006	0.02	0.0010	740.00	0.45	0.00007	102.50	1.86	10.50
Standard Deviation	0.00000000000000014	0.0007	0.0010	0.00000000000000000011	38.72	0.03	0.00000000000000000014	3.93	15.14	3.06
Coefficient of Variation	0.00000000000000019	0.11	0.05	0.00000000000000012	0.05	0.07	0.00000000000000021	0.04	1.57	0.30
Skewness	-1.15	0.82	0.59	1.15	-0.95	0.57	1.15	-0.10	2.66	0.45
Minimum	0.08	0.006	0.02	0.0010	650.00	0.40	0.00007	95.00	1.86	5.00
Maximum	0.08	0.008	0.02	0.0010	780.00	0.52	0.00007	109.00	54.00	17.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	19	17	0	6	29	0	7	-1	-4
80% confidence	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.002	0.0000	-0.0005
AVF7-P1										
Mean	0.01	0.0010	0.02	0.0008	1,010.00	0.55	0.000030	93.00	1.00	32.00
UCL	0.02	0.0010	0.04	0.0008	1,578.26	0.68	0.000030	109.80	1.00	45.31
Median	0.01	0.0010	0.02	0.0008	1,010.00	0.55	0.000030	97.00	1.00	36.00
Standard Deviation	0.0014	0.00	0.004	0.00	127.28	0.03	0.00	14.28	0.00	11.31
Coefficient of Variation	0.14	0.00	0.16	0.00	0.13	0.05	0.00	0.15	0.00	0.35
Skewness	--	--	--	--	--	--	--	-0.97	--	-1.41

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
AVF4-P1										
Mean	0.0010	0.0010	1.30	1.00	0.02	0.00030	233.75	0.03	0.000013	0.03
UCL	0.0010	0.0010	1.30	1.00	0.02	0.00030	256.35	0.09	0.00006	0.04
Median	0.0010	0.0010	1.30	1.00	0.02	0.00030	228.00	0.03	0.000013	0.03
Standard Deviation	0.00	0.00	0.00	0.00	0.00	0.00	19.21	0.01	0.000011	0.0028
Coefficient of Variation	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.44	0.85	0.11
Skewness	--	--	--	--	--	--	1.42	--	--	--
Minimum	0.0010	0.0010	1.30	1.00	0.02	0.00030	218.00	0.02	0.000005	0.02
Maximum	0.0010	0.0010	1.30	1.00	0.02	0.00030	261.00	0.04	0.000020	0.03
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	2	--	--	--
80% confidence	--	--	--	--	--	--	No Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-P2										
Mean	0.0010	0.0010	0.85	1.00	0.79	0.00030	426.00	2.77	0.000013	0.01
UCL	0.0010	0.0010	1.17	1.00	1.57	0.00030	444.65	3.65	0.00006	0.03
Median	0.0010	0.0010	0.85	1.00	0.79	0.00030	427.50	2.77	0.000013	0.01
Standard Deviation	0.00	0.00	0.07	0.00	0.18	0.00	15.85	0.20	0.000011	0.0028
Coefficient of Variation	0.00	0.00	0.08	0.00	0.23	0.00	0.04	0.07	0.85	0.20
Skewness	--	--	--	--	--	--	-0.47	--	--	--
Minimum	0.0010	0.0010	0.80	1.00	0.66	0.00030	406.00	2.63	0.000005	0.01
Maximum	0.0010	0.0010	0.90	1.00	0.91	0.00030	443.00	2.91	0.000020	0.02
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	-2	--	--	--
80% confidence	--	--	--	--	--	--	No Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF4-P3										
Mean	--	--	--	--	--	--	355.00	--	--	--
UCL	--	--	--	--	--	--	--	--	--	--
Median	--	--	--	--	--	--	355.00	--	--	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	--	--	--	--	--	--	355.00	--	--	--
Maximum	--	--	--	--	--	--	355.00	--	--	--
Count (n)	--	--	--	--	--	--	1	--	--	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF5-1										
Mean	0.0011	0.0014	1.53	1.60	0.22	0.0006	81.63	0.05	0.00004	0.008
UCL	0.0011	0.0019	1.61	1.60	0.50	0.0006	84.77	0.06	0.00005	0.008
Median	0.0011	0.0010	1.50	1.60	0.04	0.0006	81.50	0.05	0.00005	0.008
Standard Deviation	0.00004	0.0010	0.16	0.00000000000000023	0.54	0.00	6.06	0.01	0.000008	0.0005
Coefficient of Variation	0.03	0.75	0.11	0.00000000000000015	2.47	0.00	0.07	0.22	0.17	0.06
Skewness	-3.46	3.06	2.69	1.19	3.40	--	0.49	0.98	-3.46	-0.81
Minimum	0.0010	0.0010	1.40	1.60	0.04	0.0006	74.00	0.03	0.000020	0.007
Maximum	0.0011	0.005	2.00	1.60	1.94	0.0006	94.00	0.08	0.00005	0.008
Count (n)	12	12	12	10	12	12	12	12	12	12
Mann-Kendall S	5	-17	-14	0	-30	0	43	-25	-7	18
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	Positive Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend
95% confidence	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.016	0.0000	0.0000	0.0000
AVF6-3										
Mean	0.0015	0.0010	0.75	1.55	0.04	0.0005	134.17	0.17	0.00004	0.005
UCL	0.0024	0.0011	0.78	1.55	0.04	0.0005	136.88	0.17	0.00004	0.005
Median	0.0010	0.0010	0.75	1.55	0.04	0.0005	134.50	0.17	0.00004	0.005
Standard Deviation	0.0017	0.00014	0.05	0.00	0.00000000000000007	0.00000000000000000006	5.24	0.008	0.00	0.00000000000000000009
Coefficient of Variation	1.15	0.14	0.07	0.00	0.00000000000000017	0.00000000000000013	0.04	0.04	0.00	0.00000000000000018
Skewness	3.46	3.46	0.00	--	-1.15	1.15	0.51	0.65	--	1.15
Minimum	0.0010	0.0010	0.70	1.55	0.04	0.0005	126.00	0.16	0.00004	0.005
Maximum	0.007	0.0015	0.80	1.55	0.04	0.0005	145.00	0.19	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-5	-11	-2	0	0	0	3	10	0	0
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AVF7-P1										
Mean	0.0020	0.0010	0.85	1.00	0.02	0.00030	194.00	0.06	0.000013	0.005
UCL	0.008	0.0010	1.17	1.00	0.02	0.00030	236.96	0.30	0.00006	0.005
Median	0.0020	0.0010	0.85	1.00	0.02	0.00030	200.00	0.06	0.000013	0.005
Standard Deviation	0.0014	0.00	0.07	0.00	0.00	0.00	36.51	0.06	0.000011	0.00
Coefficient of Variation	0.71	0.00	0.08	0.00	0.00	0.00	0.19	1.00	0.85	0.00
Skewness	--	--	--	--	--	--	-0.47	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
AVF4-P1											
Mean	0.0020	2.65	8.00	--	24.75	6,165.00	0.0030	1,135.00	15.13	2,825.00	--
UCL	0.0020	3.32	8.00	--	25.34	6,331.52	0.02	1,187.17	15.44	2,883.83	--
Median	0.0020	2.69	8.00	--	25.00	6,165.00	0.0030	1,130.00	15.15	2,800.00	--
Standard Deviation	0.00	0.57	0.00	--	0.50	141.54	0.0028	44.35	0.27	50.00	--
Coefficient of Variation	0.00	0.22	0.00	--	0.02	0.02	0.94	0.04	0.02	0.02	--
Skewness	--	-0.24	--	--	-2.00	0.00	--	0.48	-0.26	2.00	--
Minimum	0.0020	1.99	8.00	--	24.00	6,020.00	0.0010	1,090.00	14.82	2,800.00	--
Maximum	0.0020	3.24	8.00	--	25.00	6,310.00	0.005	1,190.00	15.40	2,900.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	4	0	--	-1	-2	--	4	0	1	--
80% confidence	--	Positive Trend	No Trend	--	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF4-P2											
Mean	0.010	0.01	7.40	--	25.00	6,662.50	0.0010	973.75	8.90	3,650.00	--
UCL	0.01	0.01	7.40	--	27.88	7,120.92	0.0010	1,004.93	9.05	3,767.65	--
Median	0.010	0.01	7.40	--	24.50	6,695.00	0.0010	969.00	8.93	3,700.00	--
Standard Deviation	0.0007	0.00	0.00	--	2.45	389.65	0.00	26.50	0.13	100.00	--
Coefficient of Variation	0.07	0.00	0.00	--	0.10	0.06	0.00	0.03	0.01	0.03	--
Skewness	--	--	--	--	0.54	-0.14	--	1.00	-1.14	-2.00	--
Minimum	0.009	0.01	7.40	--	23.00	6,250.00	0.0010	947.00	8.72	3,500.00	--
Maximum	0.01	0.01	7.40	--	28.00	7,010.00	0.0010	1,010.00	9.02	3,700.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	0	0	--	-5	-4	--	0	2	-3	--
80% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	No Trend	No Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF4-P3											
Mean	--	1.25	7.30	--	11.00	5,230.00	--	576.00	5.42	2,800.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	--	1.25	7.30	--	11.00	5,230.00	--	576.00	5.42	2,800.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	--	1.25	7.30	--	11.00	5,230.00	--	576.00	5.42	2,800.00	--
Maximum	--	1.25	7.30	--	11.00	5,230.00	--	576.00	5.42	2,800.00	--
Count (n)	--	1	1	--	1	1	--	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF5-1											
Mean	0.008	0.91	7.62	0.05	13.42	1,546.67	0.0017	161.33	3.06	458.33	--
UCL	0.008	1.05	7.76	--	13.76	1,607.46	0.0020	165.63	3.10	480.31	--
Median	0.008	0.90	7.50	0.05	13.50	1,565.00	0.0020	163.50	3.07	460.00	--
Standard Deviation	0.00000000000000000018	0.26	0.27	--	0.67	117.27	0.0007	8.28	0.08	42.39	--
Coefficient of Variation	0.00000000000000000023	0.28	0.04	--	0.05	0.08	0.39	0.05	0.02	0.09	--
Skewness	-1.15	0.45	1.94	--	-0.74	-0.89	0.44	-0.12	-0.16	0.02	--
Minimum	0.008	0.57	7.40	0.05	12.00	1,300.00	0.0010	149.00	2.93	380.00	--
Maximum	0.008	1.38	8.30	0.05	14.00	1,700.00	0.0030	172.00	3.20	530.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	56	-18	--	33	50	9	48	19	45	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0007	-0.0002	--	0.001	0.246	0.0000	0.021	0.0001	0.100	--
AVF6-3											
Mean	0.008	0.86	7.75	0.06	21.21	2,940.83	0.004	427.67	6.55	1,133.33	--
UCL	0.008	0.89	7.88	--	21.55	3,040.08	0.004	435.20	6.64	1,173.70	--
Median	0.008	0.86	7.60	0.06	21.00	3,020.00	0.004	429.00	6.57	1,150.00	--
Standard Deviation	0.00000000000000000018	0.05	0.25	--	0.66	191.43	0.0005	14.53	0.18	77.85	--
Coefficient of Variation	0.00000000000000000023	0.05	0.03	--	0.03	0.07	0.12	0.03	0.03	0.07	--
Skewness	-1.15	-0.12	1.18	--	-0.07	-1.63	-1.33	-0.17	-0.98	-0.72	--
Minimum	0.008	0.79	7.50	0.06	20.00	2,500.00	0.0030	405.00	6.14	1,000.00	--
Maximum	0.008	0.92	8.20	0.06	22.00	3,110.00	0.004	449.00	6.81	1,200.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	-46	-4	--	31	34	-21	34	42	18	--
80% confidence	No Trend	Negative Trend	No Trend	--	Positive Trend	Positive Trend	Negative Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	Negative Trend	No Trend	--	Positive Trend	Positive Trend	Negative Trend	Positive Trend	Positive Trend	No Trend	--
95% confidence	No Trend	Negative Trend	No Trend	--	Positive Trend	Positive Trend	Negative Trend	Positive Trend	Positive Trend	No Trend	--
99% confidence	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	-0.0001	0.0000	--	0.001	0.201	0.0000	0.029	0.0003	0.0000	--
AVF7-P1											
Mean	0.0020	0.63	7.58	--	26.75	4,147.50	0.0025	647.75	8.76	1,650.00	--
UCL	0.0020	0.95	7.63	--	30.64	4,912.76	0.01	762.05	9.45	2,040.20	--
Median	0.0020	0.64	7.60	--	27.00	4,300.00	0.0025	671.00	8.92	1,750.00	--
Standard Deviation	0.00	0.27	0.05	--	3.30	650.45	0.0021	97.15	0.59	331.66	--
Coefficient of Variation	0.00	0.42	0.007	--	0.12	0.16	0.85	0.15	0.07	0.20	--
Skewness	--	-0.16	-2.00	--	-0.23	-1.03	--	-1.02	-1.43	-1.10	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
AVF4-P1								
Mean	4,615.00	--	865.00	--	--	--	0.01	0.008
UCL	5,020.45	--	1,085.99	--	--	--	0.01	0.008
Median	4,740.00	--	865.00	--	--	--	0.01	0.008
Standard Deviation	344.63	--	49.50	--	--	--	0.00	0.00
Coefficient of Variation	0.07	--	0.06	--	--	--	0.00	0.00
Skewness	-1.55	--	--	--	--	--	--	--
Minimum	4,120.00	--	830.00	--	--	--	0.01	0.008
Maximum	4,860.00	--	900.00	--	--	--	0.01	0.008
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	6	--	--	--	--	--	--	--
80% confidence	Positive Trend	--	--	--	--	--	--	--
90% confidence	Positive Trend	--	--	--	--	--	--	--
95% confidence	Positive Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF4-P2								
Mean	5,655.00	--	845.00	--	--	--	0.01	0.008
UCL	6,100.47	--	876.57	--	--	--	0.01	0.008
Median	5,800.00	--	845.00	--	--	--	0.01	0.008
Standard Deviation	378.64	--	7.07	--	--	--	0.00	0.00
Coefficient of Variation	0.07	--	0.008	--	--	--	0.00	0.00
Skewness	-1.74	--	--	--	--	--	--	--
Minimum	5,100.00	--	840.00	--	--	--	0.01	0.008
Maximum	5,920.00	--	850.00	--	--	--	0.01	0.008
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	0	--	--	--	--	--	--	--
80% confidence	No Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF4-P3								
Mean	4,810.00	--	--	--	--	--	--	--
UCL	--	--	--	--	--	--	--	--
Median	4,810.00	--	--	--	--	--	--	--
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	4,810.00	--	--	--	--	--	--	--
Maximum	4,810.00	--	--	--	--	--	--	--
Count (n)	1	--	--	--	--	--	--	--
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF5-1								
Mean	1,028.00	--	443.33	0.05	--	--	0.08	0.010
UCL	1,060.25	--	453.54	--	--	--	0.08	0.010
Median	1,025.00	--	440.00	0.05	--	--	0.08	0.010
Standard Deviation	62.21	--	19.69	--	--	--	0.00	0.00
Coefficient of Variation	0.06	--	0.04	--	--	--	0.00	0.00
Skewness	0.23	--	0.38	--	--	--	--	--
Minimum	919.00	--	410.00	0.05	--	--	0.08	0.010
Maximum	1,140.00	--	480.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	31	--	32	--	--	--	0	0
80% confidence	Positive Trend	--	Positive Trend	--	--	--	No Trend	No Trend
90% confidence	Positive Trend	--	Positive Trend	--	--	--	No Trend	No Trend
95% confidence	Positive Trend	--	Positive Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.116	--	0.041	--	--	--	0.0000	0.0000
AVF6-3								
Mean	2,085.83	--	612.50	0.05	--	--	0.10	0.010
UCL	2,184.27	--	624.43	--	--	--	0.10	0.010
Median	2,160.00	--	615.00	0.05	--	--	0.10	0.010
Standard Deviation	189.85	--	23.01	--	--	--	0.004	0.00000000000000000018
Coefficient of Variation	0.09	--	0.04	--	--	--	0.04	0.00000000000000000019
Skewness	-2.51	--	-0.96	--	--	--	-2.06	1.15
Minimum	1,540.00	--	560.00	0.05	--	--	0.09	0.010
Maximum	2,220.00	--	640.00	0.05	--	--	0.10	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	18	--	3	--	--	--	-16	0
80% confidence	Positive Trend	--	No Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.064	--	0.0000	--	--	--	0.0000	0.0000
AVF7-P1								
Mean	3,020.00	--	810.00	--	--	--	0.01	0.01
UCL	3,599.88	--	1,188.84	--	--	--	0.01	0.05
Median	3,110.00	--	810.00	--	--	--	0.01	0.01
Standard Deviation	492.88	--	84.85	--	--	--	0.00	0.008
Coefficient of Variation	0.16	--	0.10	--	--	--	0.00	0.61
Skewness	-1.05	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Minimum	0.009	0.0010	0.02	0.0008	920.00	0.53	0.000030	74.00	1.00	16.00
Maximum	0.01	0.0010	0.02	0.0008	1,100.00	0.57	0.000030	104.00	1.00	40.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	-5	--	-5
80% confidence	--	--	--	--	--	--	--	Negative Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P2										
Mean	0.02	0.0010	0.04	0.0008	985.00	0.54	0.000030	57.67	1.00	25.33
UCL	0.08	0.0010	0.06	0.0008	1,079.71	0.63	0.000030	75.85	1.00	34.62
Median	0.02	0.0010	0.04	0.0008	985.00	0.54	0.000030	53.00	1.00	28.00
Standard Deviation	0.01	0.00	0.006	0.00	21.21	0.02	0.00	10.79	0.00	5.51
Coefficient of Variation	0.64	0.00	0.15	0.00	0.02	0.04	0.00	0.19	0.00	0.22
Skewness	--	--	--	--	--	--	--	1.58	--	-1.67
Minimum	0.01	0.0010	0.03	0.0008	970.00	0.52	0.000030	50.00	1.00	19.00
Maximum	0.03	0.0010	0.04	0.0008	1,000.00	0.55	0.000030	70.00	1.00	29.00
Count (n)	2	2	2	2	2	2	2	3	2	3
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P3										
Mean	0.07	0.0015	0.02	0.0008	990.00	0.75	0.00016	167.00	1.00	31.25
UCL	0.46	0.005	0.04	0.0008	1,053.14	0.75	0.0008	193.88	1.00	43.93
Median	0.07	0.0015	0.02	0.0008	990.00	0.75	0.00016	165.50	1.00	31.50
Standard Deviation	0.09	0.0007	0.005	0.00	14.14	0.00	0.00015	22.85	0.00	10.78
Coefficient of Variation	1.23	0.47	0.23	0.00	0.01	0.00	0.96	0.14	0.00	0.35
Skewness	--	--	--	--	--	--	--	0.12	--	-0.09
Minimum	0.009	0.0010	0.02	0.0008	980.00	0.75	0.00005	146.00	1.00	19.00
Maximum	0.13	0.0020	0.03	0.0008	1,000.00	0.75	0.00026	191.00	1.00	43.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	-6	--	-6
80% confidence	--	--	--	--	--	--	--	Negative Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	Negative Trend	--	Negative Trend
95% confidence	--	--	--	--	--	--	--	Negative Trend	--	Negative Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P4										
Mean	0.01	0.005	0.02	0.0008	1,050.00	0.85	0.00004	284.75	1.00	33.25
UCL	0.03	0.02	0.05	0.0008	1,365.70	1.99	0.00010	316.35	1.00	40.96
Median	0.01	0.005	0.02	0.0008	1,050.00	0.85	0.00004	272.00	1.00	33.50
Standard Deviation	0.004	0.0028	0.006	0.00	70.71	0.25	0.000014	26.86	0.00	6.55
Coefficient of Variation	0.35	0.57	0.25	0.00	0.07	0.30	0.35	0.09	0.00	0.20
Skewness	--	--	--	--	--	--	--	1.99	--	-0.23
Minimum	0.009	0.0030	0.02	0.0008	1,000.00	0.67	0.000030	270.00	1.00	25.00
Maximum	0.02	0.007	0.03	0.0008	1,100.00	1.03	0.00005	325.00	1.00	41.00
Count (n)	2	2	2	2	2	2	2	4	2	4
Mann-Kendall S	--	--	--	--	--	--	--	2	--	-4
80% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF8-P3										
Mean	0.01	0.0010	0.02	0.0008	823.33	0.52	0.000030	178.25	1.00	22.50
UCL	0.03	0.0010	0.03	0.0008	959.60	0.58	0.000030	200.48	1.00	30.33
Median	0.009	0.0010	0.02	0.0008	870.00	0.51	0.000030	185.50	1.00	24.50
Standard Deviation	0.010	0.00	0.004	0.00	80.83	0.04	0.00	18.89	0.00	6.66
Coefficient of Variation	0.67	0.00	0.16	0.00	0.10	0.08	0.00	0.11	0.00	0.30
Skewness	1.73	--	1.15	--	-1.73	0.72	--	-1.59	--	-1.46
Minimum	0.009	0.0010	0.02	0.0008	730.00	0.48	0.000030	151.00	1.00	13.00
Maximum	0.03	0.0010	0.03	0.0008	870.00	0.56	0.000030	191.00	1.00	28.00
Count (n)	3	3	3	3	3	3	3	4	3	4
Mann-Kendall S	--	--	--	--	--	--	--	-5	--	-6
80% confidence	--	--	--	--	--	--	--	Negative Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF8-P4										
Mean	0.02	0.0010	0.02	0.0008	983.33	0.65	0.00004	180.25	1.00	26.75
UCL	0.05	0.0010	0.03	0.0008	1,018.43	0.79	0.00006	199.66	1.00	33.50
Median	0.01	0.0010	0.02	0.0008	990.00	0.66	0.000030	186.50	1.00	28.00
Standard Deviation	0.02	0.00	0.006	0.00	20.82	0.08	0.000012	16.50	0.00	5.74
Coefficient of Variation	0.81	0.00	0.26	0.00	0.02	0.12	0.31	0.09	0.00	0.21
Skewness	1.57	--	1.73	--	-1.29	-0.37	1.73	-1.77	--	-1.01
Minimum	0.009	0.0010	0.02	0.0008	960.00	0.57	0.000030	156.00	1.00	19.00
Maximum	0.04	0.0010	0.03	0.0008	1,000.00	0.73	0.00005	192.00	1.00	32.00
Count (n)	3	3	3	3	3	3	3	4	3	4
Mann-Kendall S	--	--	--	--	--	--	--	-2	--	-6
80% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
90% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend
95% confidence	--	--	--	--	--	--	--	No Trend	--	Negative Trend

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Minimum	0.0010	0.0010	0.80	1.00	0.02	0.00030	150.00	0.02	0.000005	0.005
Maximum	0.0030	0.0010	0.90	1.00	0.02	0.00030	226.00	0.09	0.000020	0.005
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	-6	--	--	--
80% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
90% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
95% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P2										
Mean	0.0010	0.0015	1.35	1.00	0.07	0.00030	123.67	0.53	0.000013	0.02
UCL	0.0010	0.005	1.67	1.00	0.35	0.00030	139.87	3.36	0.00006	0.06
Median	0.0010	0.0015	1.35	1.00	0.07	0.00030	122.00	0.53	0.000013	0.02
Standard Deviation	0.00	0.0007	0.07	0.00	0.06	0.00	9.61	0.63	0.000011	0.009
Coefficient of Variation	0.00	0.47	0.05	0.00	0.98	0.00	0.08	1.18	0.85	0.39
Skewness	--	--	--	--	--	--	0.76	--	--	--
Minimum	0.0010	0.0010	1.30	1.00	0.02	0.00030	115.00	0.09	0.000005	0.02
Maximum	0.0010	0.0020	1.40	1.00	0.11	0.00030	134.00	0.98	0.000020	0.03
Count (n)	2	2	2	2	2	2	3	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P3										
Mean	0.0010	0.0015	0.90	1.00	0.12	0.00030	449.00	5.03	0.000013	0.009
UCL	0.0010	0.005	0.90	1.00	0.21	0.00030	492.72	9.77	0.00006	0.01
Median	0.0010	0.0015	0.90	1.00	0.12	0.00030	445.50	5.03	0.000013	0.009
Standard Deviation	0.00	0.0007	0.00	0.00	0.02	0.00	37.16	1.06	0.000011	0.0007
Coefficient of Variation	0.00	0.47	0.00	0.00	0.18	0.00	0.08	0.21	0.85	0.08
Skewness	--	--	--	--	--	--	0.43	--	--	--
Minimum	0.0010	0.0010	0.90	1.00	0.10	0.00030	410.00	4.28	0.000005	0.008
Maximum	0.0010	0.0020	0.90	1.00	0.13	0.00030	495.00	5.78	0.000020	0.009
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	-6	--	--	--
80% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
90% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
95% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF7-P4										
Mean	0.0010	0.0020	1.05	1.00	4.26	0.00030	788.00	6.48	0.000013	0.009
UCL	0.0010	0.008	1.37	1.00	21.21	0.00030	941.26	11.81	0.00006	0.01
Median	0.0010	0.0020	1.05	1.00	4.26	0.00030	768.00	6.48	0.000013	0.009
Standard Deviation	0.00	0.0014	0.07	0.00	3.80	0.00	130.26	1.20	0.000011	0.0007
Coefficient of Variation	0.00	0.71	0.07	0.00	0.89	0.00	0.17	0.18	0.85	0.08
Skewness	--	--	--	--	--	--	0.57	--	--	--
Minimum	0.0010	0.0010	1.00	1.00	1.57	0.00030	666.00	5.63	0.000005	0.008
Maximum	0.0010	0.0030	1.10	1.00	6.94	0.00030	950.00	7.32	0.000020	0.009
Count (n)	2	2	2	2	2	2	4	2	2	2
Mann-Kendall S	--	--	--	--	--	--	6	--	--	--
80% confidence	--	--	--	--	--	--	Positive Trend	--	--	--
90% confidence	--	--	--	--	--	--	Positive Trend	--	--	--
95% confidence	--	--	--	--	--	--	Positive Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF8-P3										
Mean	0.0010	0.0010	0.67	1.00	0.13	0.00030	323.75	2.76	0.000010	0.009
UCL	0.0010	0.0010	0.76	1.00	0.39	0.00030	354.40	3.46	0.000010	0.01
Median	0.0010	0.0010	0.70	1.00	0.04	0.00030	335.00	2.53	0.000010	0.01
Standard Deviation	0.00	0.00	0.06	0.00	0.16	0.00	26.06	0.42	0.00	0.0012
Coefficient of Variation	0.00	0.00	0.09	0.00	1.25	0.00	0.08	0.15	0.00	0.12
Skewness	--	--	-1.73	--	1.72	--	-1.90	1.72	--	-1.73
Minimum	0.0010	0.0010	0.60	1.00	0.03	0.00030	285.00	2.50	0.000010	0.008
Maximum	0.0010	0.0010	0.70	1.00	0.31	0.00030	340.00	3.24	0.000010	0.01
Count (n)	3	3	3	3	3	3	4	3	3	3
Mann-Kendall S	--	--	--	--	--	--	-4	--	--	--
80% confidence	--	--	--	--	--	--	Negative Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
AVF8-P4										
Mean	0.0017	0.0013	0.63	1.00	0.02	0.00030	367.75	0.99	0.000010	0.02
UCL	0.0026	0.0023	0.83	1.00	0.03	0.00030	386.68	3.27	0.000025	0.02
Median	0.0020	0.0010	0.70	1.00	0.02	0.00030	370.00	0.35	0.000005	0.01
Standard Deviation	0.0006	0.0006	0.12	0.00	0.006	0.00	16.09	1.35	0.000009	0.004
Coefficient of Variation	0.35	0.43	0.18	0.00	0.25	0.00	0.04	1.37	0.87	0.27
Skewness	-1.73	1.73	-1.73	--	1.73	--	-0.66	1.65	1.73	1.29
Minimum	0.0010	0.0010	0.50	1.00	0.02	0.00030	347.00	0.07	0.000005	0.01
Maximum	0.0020	0.0020	0.70	1.00	0.03	0.00030	384.00	2.54	0.000020	0.02
Count (n)	3	3	3	3	3	3	4	3	3	3
Mann-Kendall S	--	--	--	--	--	--	4	--	--	--
80% confidence	--	--	--	--	--	--	Positive Trend	--	--	--
90% confidence	--	--	--	--	--	--	No Trend	--	--	--
95% confidence	--	--	--	--	--	--	No Trend	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Minimum	0.0020	0.30	7.50	--	23.00	3,270.00	0.0010	517.00	7.92	1,200.00	--
Maximum	0.0020	0.95	7.60	--	30.00	4,720.00	0.004	732.00	9.29	1,900.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	0	3	--	-6	-4	--	-4	-4	-5	--
80% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	--	No Trend	No Trend	--	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	Negative Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF7-P2											
Mean	0.005	0.77	7.83	--	24.67	3,870.00	0.004	689.00	11.77	1,433.33	--
UCL	0.01	1.20	7.93	--	25.64	4,326.12	0.01	709.72	12.73	1,628.00	--
Median	0.005	0.65	7.80	--	25.00	3,890.00	0.004	694.00	11.60	1,500.00	--
Standard Deviation	0.0021	0.26	0.06	--	0.58	270.55	0.0021	12.29	0.57	115.47	--
Coefficient of Variation	0.47	0.33	0.007	--	0.02	0.07	0.61	0.02	0.05	0.08	--
Skewness	--	1.63	1.73	--	-1.73	-0.33	--	-1.53	1.21	-1.73	--
Minimum	0.0030	0.59	7.80	--	24.00	3,590.00	0.0020	675.00	11.30	1,300.00	--
Maximum	0.006	1.06	7.90	--	25.00	4,130.00	0.005	698.00	12.40	1,500.00	--
Count (n)	2	3	3	--	3	3	2	3	3	3	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF7-P3											
Mean	0.01	0.02	7.55	--	28.00	8,105.00	0.0010	1,362.50	12.48	4,375.00	--
UCL	0.02	0.03	7.67	--	32.99	8,723.49	0.0010	1,393.44	13.29	4,839.43	--
Median	0.01	0.02	7.50	--	27.50	8,220.00	0.0010	1,360.00	12.50	4,450.00	--
Standard Deviation	0.0007	0.008	0.10	--	4.24	525.71	0.00	26.30	0.69	394.76	--
Coefficient of Variation	0.05	0.41	0.01	--	0.15	0.06	0.00	0.02	0.06	0.09	--
Skewness	--	-0.0000000000000008	2.00	--	0.37	-0.98	--	0.12	-0.17	-0.48	--
Minimum	0.01	0.01	7.50	--	24.00	7,400.00	0.0010	1,340.00	11.62	3,900.00	--
Maximum	0.02	0.03	7.70	--	33.00	8,580.00	0.0010	1,390.00	13.30	4,700.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	3	-3	--	-6	-4	--	3	6	-3	--
80% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	Negative Trend	No Trend	--	No Trend	Positive Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	Negative Trend	No Trend	--	No Trend	Positive Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF7-P4											
Mean	0.02	0.36	7.33	--	27.50	12,500.00	0.0010	2,335.00	16.05	7,725.00	--
UCL	0.02	1.07	7.38	--	29.02	14,606.78	0.0010	2,979.72	19.41	9,254.07	--
Median	0.02	0.09	7.30	--	27.50	12,500.00	0.0010	2,345.00	15.75	7,650.00	--
Standard Deviation	0.00	0.60	0.05	--	1.29	1,790.72	0.00	548.00	2.86	1,299.68	--
Coefficient of Variation	0.00	1.67	0.007	--	0.05	0.14	0.00	0.23	0.18	0.17	--
Skewness	--	1.97	2.00	--	0.00	0.00	--	-0.03	0.34	0.19	--
Minimum	0.02	0.01	7.30	--	26.00	10,900.00	0.0010	1,790.00	13.29	6,400.00	--
Maximum	0.02	1.26	7.40	--	29.00	14,100.00	0.0010	2,860.00	19.40	9,200.00	--
Count (n)	2	4	4	--	4	4	2	4	4	4	--
Mann-Kendall S	--	2	1	--	0	4	--	4	4	4	--
80% confidence	--	No Trend	No Trend	--	No Trend	Positive Trend	--	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	No Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF8-P3											
Mean	0.007	0.03	7.43	--	23.25	5,195.00	0.0010	711.00	7.33	2,650.00	--
UCL	0.009	0.07	7.48	--	25.26	5,902.83	0.0010	808.36	8.00	3,084.93	--
Median	0.007	0.01	7.40	--	23.50	5,380.00	0.0010	736.50	7.47	2,800.00	--
Standard Deviation	0.0010	0.04	0.05	--	1.71	601.64	0.00	82.76	0.57	369.68	--
Coefficient of Variation	0.14	1.27	0.007	--	0.07	0.12	0.00	0.12	0.08	0.14	--
Skewness	0.0000000000000008	2.00	2.00	--	-0.75	-1.44	--	-1.60	-1.29	-1.90	--
Minimum	0.006	0.01	7.40	--	21.00	4,340.00	0.0010	591.00	6.53	2,100.00	--
Maximum	0.008	0.08	7.50	--	25.00	5,680.00	0.0010	780.00	7.84	2,900.00	--
Count (n)	3	4	4	--	4	4	3	4	4	4	--
Mann-Kendall S	--	1	-3	--	-6	-6	--	-2	-2	-3	--
80% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	No Trend	No Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	Negative Trend	Negative Trend	--	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
AVF8-P4											
Mean	0.004	0.22	7.70	--	32.50	6,567.50	0.0017	1,029.50	10.09	3,425.00	--
UCL	0.008	0.39	7.80	--	34.75	6,781.09	0.0026	1,098.43	10.68	3,483.83	--
Median	0.0030	0.24	7.70	--	32.00	6,575.00	0.0020	1,033.00	10.14	3,400.00	--
Standard Deviation	0.0026	0.14	0.08	--	1.91	181.54	0.0006	58.59	0.50	50.00	--
Coefficient of Variation	0.66	0.64	0.01	--	0.06	0.03	0.35	0.06	0.05	0.01	--
Skewness	1.46	-0.38	-0.00000000000003	--	0.85	-0.11	-1.73	-0.05	-0.31	2.00	--
Minimum	0.0020	0.05	7.60	--	31.00	6,370.00	0.0010	972.00	9.50	3,400.00	--
Maximum	0.007	0.37	7.80	--	35.00	6,750.00	0.0020	1,080.00	10.60	3,500.00	--
Count (n)	3	4	4	--	4	4	3	4	4	4	--
Mann-Kendall S	--	4	-3	--	-1	-6	--	3	4	-3	--
80% confidence	--	Positive Trend	No Trend	--	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	--
90% confidence	--	No Trend	No Trend	--	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	--
95% confidence	--	No Trend	No Trend	--	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Minimum	2,340.00	--	750.00	--	--	--	0.01	0.008
Maximum	3,520.00	--	870.00	--	--	--	0.01	0.02
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	-4	--	--	--	--	--	--	--
80% confidence	Negative Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF7-P2								
Mean	2,796.67	--	810.00	--	--	--	0.01	0.008
UCL	2,993.51	--	873.14	--	--	--	0.01	0.008
Median	2,820.00	--	810.00	--	--	--	0.01	0.008
Standard Deviation	116.76	--	14.14	--	--	--	0.00	0.00
Coefficient of Variation	0.04	--	0.02	--	--	--	0.00	0.00
Skewness	-0.86	--	--	--	--	--	--	--
Minimum	2,670.00	--	800.00	--	--	--	0.01	0.008
Maximum	2,900.00	--	820.00	--	--	--	0.01	0.008
Count (n)	3	--	2	--	--	--	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF7-P3								
Mean	6,765.00	--	820.00	--	--	--	0.01	0.02
UCL	7,208.81	--	946.28	--	--	--	0.01	0.07
Median	6,830.00	--	820.00	--	--	--	0.01	0.02
Standard Deviation	377.23	--	28.28	--	--	--	0.00	0.01
Coefficient of Variation	0.06	--	0.03	--	--	--	0.00	0.45
Skewness	-0.97	--	--	--	--	--	--	--
Minimum	6,250.00	--	800.00	--	--	--	0.01	0.02
Maximum	7,150.00	--	840.00	--	--	--	0.01	0.03
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	2	--	--	--	--	--	--	--
80% confidence	No Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF7-P4								
Mean	11,952.50	--	880.00	--	--	--	0.01	0.01
UCL	15,523.91	--	1,132.56	--	--	--	0.01	0.02
Median	12,000.00	--	880.00	--	--	--	0.01	0.01
Standard Deviation	3,035.63	--	56.57	--	--	--	0.00	0.0007
Coefficient of Variation	0.25	--	0.06	--	--	--	0.00	0.05
Skewness	-0.04	--	--	--	--	--	--	--
Minimum	8,710.00	--	840.00	--	--	--	0.01	0.01
Maximum	15,100.00	--	920.00	--	--	--	0.01	0.01
Count (n)	4	--	2	--	--	--	2	2
Mann-Kendall S	4	--	--	--	--	--	--	--
80% confidence	Positive Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF8-P3								
Mean	4,242.50	--	676.67	--	--	--	0.01	0.008
UCL	4,791.84	--	788.92	--	--	--	0.01	0.008
Median	4,400.00	--	710.00	--	--	--	0.01	0.008
Standard Deviation	466.93	--	66.58	--	--	--	0.00	0.00
Coefficient of Variation	0.11	--	0.10	--	--	--	0.00	0.00
Skewness	-1.32	--	-1.69	--	--	--	--	--
Minimum	3,590.00	--	600.00	--	--	--	0.01	0.008
Maximum	4,580.00	--	720.00	--	--	--	0.01	0.008
Count (n)	4	--	3	--	--	--	3	3
Mann-Kendall S	-1	--	--	--	--	--	--	--
80% confidence	No Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
AVF8-P4								
Mean	5,345.00	--	813.33	--	--	--	0.01	0.05
UCL	5,902.19	--	855.76	--	--	--	0.01	0.06
Median	5,485.00	--	810.00	--	--	--	0.01	0.05
Standard Deviation	473.60	--	25.17	--	--	--	0.00	0.007
Coefficient of Variation	0.09	--	0.03	--	--	--	0.00	0.14
Skewness	-1.56	--	0.59	--	--	--	--	1.41
Minimum	4,660.00	--	790.00	--	--	--	0.01	0.05
Maximum	5,750.00	--	840.00	--	--	--	0.01	0.06
Count (n)	4	--	3	--	--	--	3	3
Mann-Kendall S	4	--	--	--	--	--	--	--
80% confidence	Positive Trend	--	--	--	--	--	--	--
90% confidence	No Trend	--	--	--	--	--	--	--
95% confidence	No Trend	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B10-KL										
Mean	3.01	0.003	0.27	0.0015	897.50	0.12	0.00010	4.71	40.00	26.92
UCL	8.04	0.005	0.51	0.0026	917.78	0.15	0.00016	7.30	42.95	29.44
Median	0.18	0.0025	0.13	0.0009	910.00	0.11	0.00007	3.00	38.50	28.50
Standard Deviation	9.71	0.0026	0.47	0.0020	39.11	0.05	0.00011	4.99	5.69	4.87
Coefficient of Variation	3.23	0.81	1.74	1.33	0.04	0.38	1.13	1.06	0.14	0.18
Skewness	3.46	3.46	3.42	3.46	-1.70	2.06	3.46	3.42	0.35	-2.46
Minimum	0.07	0.0025	0.09	0.0009	800.00	0.09	0.00007	3.00	31.00	13.00
Maximum	33.85	0.01	1.74	0.008	930.00	0.24	0.0005	20.50	51.00	31.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-41	-11	8	-11	-9	-21	-11	-21	-2	25
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	Positive Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
99% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0004	0.0000	0.0000	0.0000	-0.005	0.0000	0.0000	0.0000	-0.0006	0.003
B10-KU										
Mean	0.62	0.0026	0.02	0.0010	1,413.85	0.27	0.00007	93.33	6.31	12.85
UCL	1.27	0.0026	0.04	0.0010	1,468.34	0.28	0.00007	95.96	10.89	18.45
Median	0.08	0.0025	0.02	0.0009	1,400.00	0.27	0.00007	93.50	2.00	11.00
Standard Deviation	1.31	0.00013	0.02	0.000016	110.27	0.02	0.0000031	5.31	9.28	11.33
Coefficient of Variation	2.10	0.05	0.93	0.02	0.08	0.07	0.04	0.06	1.47	0.88
Skewness	2.55	3.61	2.54	3.46	-1.38	-0.37	3.61	0.81	2.38	3.41
Minimum	0.009	0.0025	0.01	0.0009	1,180.00	0.23	0.00007	87.00	2.00	7.00
Maximum	4.40	0.0030	0.09	0.0010	1,500.00	0.30	0.00008	105.00	33.00	50.00
Count (n)	13	13	13	12	13	13	13	13	13	13
Mann-Kendall S	-28	-10	-15	-11	-9	45	-10	-18	5	-5
80% confidence	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.005	0.0000	0.0000
B10-O										
Mean	5.94	0.18	0.08	0.0024	407.50	0.34	0.0003	32.21	1.50	13.42
UCL	7.41	0.20	0.10	0.004	419.83	0.39	0.0004	34.92	1.50	14.68
Median	5.40	0.19	0.08	0.0018	410.00	0.37	0.0003	32.00	1.50	13.50
Standard Deviation	2.84	0.05	0.03	0.0024	23.79	0.10	0.00015	5.24	0.00	2.43
Coefficient of Variation	0.48	0.29	0.38	1.01	0.06	0.30	0.47	0.16	0.00	0.18
Skewness	2.21	-3.15	-0.53	2.89	-0.81	-2.94	-0.04	1.65	--	0.14
Minimum	3.44	0.02	0.009	0.0009	360.00	0.03	0.00013	26.00	1.50	10.00
Maximum	13.90	0.21	0.15	0.010	440.00	0.43	0.0006	46.00	1.50	17.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-32	-8	-25	-20	-30	-6	0	-37	0	19
80% confidence	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	-0.003	0.0000	0.0000	0.0000	-0.043	0.0000	0.0000	-0.008	0.0000	0.003
B10-U										
Mean	0.12	0.0025	0.13	0.0010	780.85	0.16	0.00007	3.08	27.97	62.85
UCL	0.17	0.0026	0.13	0.0010	808.89	0.16	0.00007	3.19	33.08	64.09
Median	0.08	0.0025	0.13	0.0009	800.00	0.16	0.00007	3.00	31.00	63.00
Standard Deviation	0.11	0.00014	0.007	0.000016	56.74	0.006	0.000003	0.21	10.33	2.51
Coefficient of Variation	0.92	0.05	0.05	0.02	0.07	0.04	0.05	0.07	0.37	0.04
Skewness	2.39	3.61	0.22	3.46	-0.64	-0.38	3.61	2.22	-1.13	-0.02
Minimum	0.08	0.0025	0.12	0.0009	651.00	0.15	0.00007	3.00	4.00	59.00
Maximum	0.42	0.0030	0.14	0.0010	890.00	0.16	0.00008	3.60	40.00	67.00
Count (n)	13	13	13	12	13	13	13	13	13	13
Mann-Kendall S	-23	-10	54	-11	-12	41	-10	-23	26	39
80% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	Positive Trend	Positive Trend
90% confidence	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	Positive Trend	Positive Trend
95% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.021	0.0000	0.0000	0.0000	0.013	0.004
B11-K										
Mean	0.48	0.0025	1.34	0.0010	700.00	0.13	0.00007	1.33	26.17	7.92
UCL	1.15	0.0026	3.54	0.0010	714.99	0.13	0.00008	1.93	29.63	8.38
Median	0.10	0.0025	0.11	0.0009	710.00	0.13	0.00007	1.00	28.00	8.00
Standard Deviation	1.30	0.00016	4.26	0.000016	28.92	0.007	0.000022	1.15	6.69	0.90
Coefficient of Variation	2.72	0.06	3.18	0.02	0.04	0.05	0.30	0.87	0.26	0.11
Skewness	3.46	3.46	3.46	3.46	-1.54	-0.09	3.10	3.46	-0.84	0.18
Minimum	0.04	0.0025	0.09	0.0009	630.00	0.12	0.00007	1.00	12.00	7.00
Maximum	4.60	0.0030	14.85	0.0010	730.00	0.14	0.00014	5.00	35.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-19	-11	10	-11	2	-1	-9	-11	-2	21
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
B11-O										
Mean	17.68	0.008	0.38	0.0027	867.50	0.23	0.0003	85.00	5.17	15.83
UCL	48.44	0.02	0.98	0.006	895.56	0.27	0.0009	104.81	8.09	17.59
Median	0.10	0.0025	0.03	0.0009	880.00	0.21	0.00007	74.00	1.38	16.00
Standard Deviation	59.35	0.02	1.17	0.006	54.13	0.09	0.0010	38.22	5.64	3.38

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B10-KL										
Mean	0.0016	0.0026	2.77	1.27	1.45	0.003	1.83	0.04	0.00005	0.005
UCL	0.0025	0.006	2.89	1.27	3.85	0.008	3.33	0.07	0.00006	0.005
Median	0.0010	0.0010	2.80	1.27	0.10	0.0004	1.00	0.02	0.00004	0.005
Standard Deviation	0.0017	0.006	0.24	0.00	4.62	0.010	2.89	0.06	0.00003	0.00014
Coefficient of Variation	1.09	2.14	0.09	0.00	3.19	2.96	1.57	1.71	0.69	0.03
Skewness	3.31	3.46	-0.82	--	3.46	3.46	3.46	3.42	3.46	3.46
Minimum	0.0010	0.0010	2.30	1.27	0.06	0.0004	1.00	0.01	0.00004	0.005
Maximum	0.007	0.02	3.00	1.27	16.13	0.03	11.00	0.23	0.00015	0.006
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-11	-11	-36	0	-39	-21	-11	-49	-11	-11
80% confidence	Negative Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0004	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B10-KU										
Mean	0.0016	0.004	0.73	1.27	0.92	0.0009	40.69	0.05	0.00004	0.005
UCL	0.0026	0.006	1.37	1.27	1.31	0.0012	41.60	0.05	0.00006	0.005
Median	0.0010	0.0010	0.40	1.27	0.60	0.0007	41.00	0.04	0.00004	0.005
Standard Deviation	0.0019	0.004	1.28	0.00	0.79	0.0007	1.84	0.01	0.000029	0.0000000000000000009
Coefficient of Variation	1.19	1.10	1.76	0.00	0.86	0.78	0.05	0.24	0.67	0.0000000000000000018
Skewness	3.44	1.03	3.60	--	2.08	3.55	-0.22	2.31	3.09	1.14
Minimum	0.0010	0.0010	0.30	1.27	0.47	0.0007	38.00	0.04	0.000010	0.005
Maximum	0.008	0.01	5.00	1.27	2.79	0.003	44.00	0.08	0.00014	0.005
Count (n)	13	13	13	11	13	13	13	13	13	13
Mann-Kendall S	-7	-22	-17	0	-29	-15	-21	-20	1	0
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	-0.002	0.0000	0.0000	0.0000
B10-O										
Mean	0.01	0.01	0.23	1.27	33.93	0.02	26.92	0.12	0.00014	0.02
UCL	0.02	0.02	0.25	1.27	38.09	0.02	28.08	0.15	0.00017	0.02
Median	0.01	0.01	0.20	1.27	32.35	0.01	26.50	0.11	0.00014	0.02
Standard Deviation	0.01	0.007	0.05	0.00	8.01	0.008	2.23	0.06	0.00005	0.007
Coefficient of Variation	0.73	0.61	0.20	0.00	0.24	0.48	0.08	0.47	0.37	0.38
Skewness	2.09	0.17	1.33	--	1.98	0.40	0.48	0.66	2.50	-0.33
Minimum	0.0020	0.0020	0.20	1.27	26.30	0.0016	24.00	0.01	0.00009	0.005
Maximum	0.04	0.03	0.30	1.27	55.80	0.03	31.00	0.25	0.00030	0.03
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-13	-5	-7	0	-36	-16	-19	-22	-43	-2
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.009	0.0000	-0.004	0.0000	0.0000	0.0000
B10-U										
Mean	0.0010	0.0010	2.18	1.27	0.09	0.0005	1.00	0.03	0.00004	0.005
UCL	0.0010	0.0011	2.27	1.27	0.14	0.0005	1.00	0.04	0.00004	0.005
Median	0.0010	0.0010	2.20	1.27	0.05	0.0005	1.00	0.03	0.00004	0.005
Standard Deviation	0.0000000000000000005	0.00017	0.18	0.00	0.09	0.000011	0.0012	0.008	0.000011	0.0000000000000000009
Coefficient of Variation	0.0000000000000005	0.16	0.08	0.00	1.02	0.02	0.0012	0.23	0.30	0.0000000000000000018
Skewness	-1.14	3.61	0.21	--	2.17	3.61	-3.61	-0.04	-2.87	1.14
Minimum	0.0010	0.0010	2.00	1.27	0.05	0.0005	1.00	0.02	0.0000022	0.005
Maximum	0.0010	0.0016	2.40	1.27	0.31	0.0005	1.00	0.05	0.00005	0.005
Count (n)	13	13	13	11	13	13	13	13	13	13
Mann-Kendall S	0	-12	16	0	-1	-10	10	-7	1	0
80% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B11-K										
Mean	0.0013	0.0013	1.74	1.55	0.32	0.0007	1.08	0.02	0.00004	0.005
UCL	0.0018	0.0013	2.09	1.55	0.77	0.0012	1.23	0.02	0.00004	0.005
Median	0.0010	0.0013	1.50	1.55	0.06	0.0004	1.00	0.02	0.00004	0.005
Standard Deviation	0.0010	0.0000000000000000023	0.67	0.00	0.87	0.0009	0.29	0.01	0.000004	0.0000000000000000009
Coefficient of Variation	0.78	0.0000000000000000018	0.38	0.00	2.75	1.30	0.27	0.67	0.09	0.0000000000000000018
Skewness	3.46	1.15	3.13	--	3.46	3.46	3.46	3.34	3.46	1.15
Minimum	0.0010	0.0013	1.30	1.55	0.05	0.0004	1.00	0.01	0.00004	0.005
Maximum	0.005	0.0013	3.80	1.55	3.09	0.004	2.00	0.05	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-11	0	-10	0	0	-11	-11	-29	-11	0
80% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B11-O										
Mean	0.02	0.02	1.07	1.55	14.85	0.02	45.17	0.45	0.00004	0.01
UCL	0.04	0.06	1.29	1.55	40.77	0.06	56.15	0.95	0.00004	0.03
Median	0.0010	0.0010	0.90	1.55	0.05	0.0005	40.00	0.18	0.00004	0.005
Standard Deviation	0.05	0.07	0.44	0.00	50.00	0.08	21.18	0.95	0.000010	0.03

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B10-KL											
Mean	0.009	0.01	8.41	0.58	2.46	1,458.33	0.0013	366.79	44.99	3.92	--
UCL	0.01	0.01	8.47	--	3.28	1,475.15	0.0013	376.83	45.87	7.79	--
Median	0.008	0.01	8.40	0.58	2.00	1,460.00	0.0013	361.50	45.10	1.00	--
Standard Deviation	0.004	0.00000000000000000018	0.12	--	1.59	32.43	0.00000000000000000023	19.35	1.68	7.48	--
Coefficient of Variation	0.40	0.00000000000000000018	0.01	--	0.65	0.02	0.00000000000000000017	0.05	0.04	1.91	--
Skewness	3.46	1.15	1.19	--	3.46	-0.59	-1.15	2.29	0.09	3.16	--
Minimum	0.008	0.01	8.30	0.58	2.00	1,390.00	0.0013	345.00	42.10	1.00	--
Maximum	0.02	0.01	8.70	0.58	7.50	1,500.00	0.0013	421.50	47.70	27.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	0	2	--	-11	-10	0	-25	0	-36	--
80% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	-0.017	0.0000	-0.013	-0.0003	-0.002	--
B10-KU											
Mean	0.008	0.01	7.65	0.03	13.00	5,089.23	0.0010	1,123.46	24.44	1,678.46	--
UCL	0.008	0.02	7.81	--	13.31	5,184.12	0.0010	1,141.99	24.85	1,740.38	--
Median	0.008	0.01	7.70	0.03	13.00	5,160.00	0.0010	1,125.00	24.10	1,700.00	--
Standard Deviation	0.0006	0.005	0.33	--	0.62	191.98	0.00000000000000000005	37.49	0.82	125.29	--
Coefficient of Variation	0.07	0.39	0.04	--	0.05	0.04	0.0000000000000000005	0.03	0.03	0.07	--
Skewness	3.61	2.66	0.30	--	-0.005	-1.96	-1.14	0.34	0.70	0.20	--
Minimum	0.008	0.01	7.30	0.03	12.00	4,600.00	0.0010	1,070.00	23.40	1,500.00	--
Maximum	0.01	0.03	8.20	0.03	14.00	5,250.00	0.0010	1,200.00	25.90	1,900.00	--
Count (n)	13	13	13	1	13	13	13	13	13	13	--
Mann-Kendall S	-10	-13	-33	--	3	17	0	22	26	33	--
80% confidence	Negative Trend	Negative Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0005	--	0.0000	0.070	0.0000	0.047	0.001	0.221	--
B10-O											
Mean	0.03	0.42	5.92	2.16	7.17	3,304.17	0.004	772.58	24.14	1,233.33	--
UCL	0.04	0.59	6.00	--	7.60	3,384.23	0.005	788.14	24.68	1,258.86	--
Median	0.03	0.39	5.85	2.16	7.00	3,350.00	0.0030	769.00	24.40	1,200.00	--
Standard Deviation	0.01	0.33	0.16	--	0.83	154.42	0.0019	30.00	1.00	49.24	--
Coefficient of Variation	0.36	0.78	0.03	--	0.12	0.05	0.54	0.04	0.04	0.04	--
Skewness	0.85	0.12	1.46	--	0.77	-1.76	0.99	1.18	-1.72	0.81	--
Minimum	0.01	0.05	5.80	2.16	6.00	2,970.00	0.0010	733.00	21.90	1,200.00	--
Maximum	0.06	0.80	6.30	2.16	9.00	3,440.00	0.008	846.00	25.00	1,300.00	--
Count (n)	12	12	12	1	12	12	12	12	11	12	--
Mann-Kendall S	-19	0	-17	--	-9	32	-6	-10	19	30	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.186	0.0000	-0.021	0.0005	0.0000	--
B10-U											
Mean	0.008	0.01	8.41	0.09	2.01	1,378.46	0.0010	334.92	43.73	1.92	--
UCL	0.008	0.01	8.47	--	2.02	1,398.22	0.0010	337.94	44.81	1.92	--
Median	0.008	0.01	8.40	0.09	2.00	1,380.00	0.0010	336.00	43.80	1.92	--
Standard Deviation	0.0006	0.00000000000000000018	0.13	--	0.03	39.97	0.00000000000000000005	6.10	2.18	0.00	--
Coefficient of Variation	0.07	0.00000000000000000018	0.01	--	0.01	0.03	0.0000000000000000005	0.02	0.05	0.00	--
Skewness	3.61	1.14	0.13	--	3.61	-1.39	-1.14	-0.56	-1.83	--	--
Minimum	0.008	0.01	8.20	0.09	2.00	1,280.00	0.0010	324.00	37.70	1.92	--
Maximum	0.01	0.01	8.60	0.09	2.10	1,430.00	0.0010	343.00	46.10	1.92	--
Count (n)	13	13	13	1	13	13	13	13	13	13	--
Mann-Kendall S	-10	0	-25	--	-12	16	0	5	19	0	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	0.016	0.0000	0.002	0.001	0.0000	--
B11-K											
Mean	0.008	0.01	8.33	0.27	1.21	1,095.83	0.0010	276.75	49.15	6.50	--
UCL	0.008	0.01	8.41	--	1.47	1,115.54	0.0010	280.59	53.74	10.20	--
Median	0.008	0.01	8.35	0.27	1.00	1,100.00	0.0010	275.00	51.30	4.00	--
Standard Deviation	0.0006	0.00000000000000000018	0.16	--	0.50	38.01	0.00000000000000000023	7.41	8.85	7.13	--
Coefficient of Variation	0.08	0.00000000000000000018	0.02	--	0.41	0.03	0.00000000000000000023	0.03	0.18	1.10	--
Skewness	3.46	1.15	-0.33	--	2.26	-0.50	-1.15	0.24	-3.21	2.92	--
Minimum	0.008	0.01	8.00	0.27	1.00	1,020.00	0.0010	263.00	21.60	2.00	--
Maximum	0.01	0.01	8.60	0.27	2.50	1,160.00	0.0010	289.00	55.90	28.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	0	0	--	-1	-16	0	9	44	-53	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	-0.028	0.0000	0.003	0.005	-0.007	--
B11-O											
Mean	0.02	0.45	7.80	3.51	15.21	7,452.50	0.0027	1,765.83	41.27	3,316.67	--
UCL	0.05	0.64	7.91	--	21.80	7,632.31	0.0030	1,820.32	42.63	3,410.02	--
Median	0.01	0.57	7.75	3.51	12.00	7,570.00	0.0030	1,770.00	41.35	3,300.00	--
Standard Deviation	0.05	0.37	0.22	--	12.71	346.81	0.0006	105.09	2.62	180.07	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B10-KL								
Mean	875.00	--	802.50	0.63	--	--	0.08	0.01
UCL	900.61	--	817.35	--	--	--	0.08	0.02
Median	868.00	--	810.00	0.63	--	--	0.08	0.009
Standard Deviation	49.40	--	28.64	--	--	--	0.007	0.02
Coefficient of Variation	0.06	--	0.04	--	--	--	0.09	1.21
Skewness	0.38	--	-1.78	--	--	--	3.46	3.46
Minimum	777.00	--	730.00	0.63	--	--	0.08	0.009
Maximum	980.00	--	830.00	0.63	--	--	0.10	0.07
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-19	--	2	--	--	--	-11	-11
80% confidence	Negative Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.065	--	0.0000	--	--	--	0.0000	0.0000
B10-KU								
Mean	3,809.23	--	1,175.38	4.10	--	--	0.08	0.01
UCL	3,869.34	--	1,196.80	--	--	--	0.08	0.02
Median	3,830.00	--	1,200.00	4.10	--	--	0.08	0.009
Standard Deviation	121.62	--	43.32	--	--	--	0.006	0.009
Coefficient of Variation	0.03	--	0.04	--	--	--	0.08	0.64
Skewness	0.68	--	-1.39	--	--	--	3.61	2.39
Minimum	3,630.00	--	1,100.00	4.10	--	--	0.08	0.009
Maximum	4,090.00	--	1,200.00	4.10	--	--	0.10	0.04
Count (n)	13	--	13	1	--	--	13	13
Mann-Kendall S	-27	--	-9	--	--	--	-10	-21
80% confidence	Negative Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.123	--	0.0000	--	--	--	0.0000	0.0000
B10-O								
Mean	3,771.67	163.60	331.67	1.00	--	--	0.08	0.07
UCL	3,910.25	229.97	342.23	--	--	--	0.10	0.08
Median	3,750.00	180.00	335.00	1.00	--	--	0.10	0.07
Standard Deviation	267.30	69.60	20.38	--	--	--	0.03	0.03
Coefficient of Variation	0.07	0.43	0.06	--	--	--	0.38	0.41
Skewness	0.42	-1.48	-0.89	--	--	--	-1.33	-0.41
Minimum	3,390.00	48.00	290.00	1.00	--	--	0.03	0.01
Maximum	4,230.00	230.00	360.00	1.00	--	--	0.10	0.11
Count (n)	12	5	12	1	--	--	12	12
Mann-Kendall S	-34	8	-33	--	--	--	-27	-8
80% confidence	Negative Trend	Positive Trend	Negative Trend	--	--	--	Negative Trend	No Trend
90% confidence	Negative Trend	Positive Trend	Negative Trend	--	--	--	Negative Trend	No Trend
95% confidence	Negative Trend	Positive Trend	Negative Trend	--	--	--	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	--	--	Negative Trend	No Trend
Sen Slope	-0.632	0.420	-0.035	--	--	--	0.0000	0.0000
B10-U								
Mean	808.69	--	693.85	0.50	--	--	0.08	0.010
UCL	822.04	--	707.01	--	--	--	0.08	0.010
Median	813.00	--	700.00	0.50	--	--	0.08	0.010
Standard Deviation	27.00	--	26.63	--	--	--	0.006	0.00014
Coefficient of Variation	0.03	--	0.04	--	--	--	0.08	0.01
Skewness	-0.95	--	-1.08	--	--	--	3.61	3.61
Minimum	746.00	--	630.00	0.50	--	--	0.08	0.010
Maximum	844.00	--	730.00	0.50	--	--	0.10	0.01
Count (n)	13	--	13	1	--	--	13	13
Mann-Kendall S	-4	--	0	--	--	--	-10	-10
80% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.006	--	0.0000	--	--	--	0.0000	0.0000
B11-K								
Mean	670.25	--	615.83	0.53	--	--	0.08	0.01
UCL	696.86	--	629.18	--	--	--	0.08	0.01
Median	660.00	--	625.00	0.53	--	--	0.08	0.009
Standard Deviation	51.33	--	25.75	--	--	--	0.007	0.0030
Coefficient of Variation	0.08	--	0.04	--	--	--	0.09	0.29
Skewness	2.24	--	-1.13	--	--	--	3.46	3.46
Minimum	605.00	--	560.00	0.53	--	--	0.08	0.009
Maximum	816.00	--	640.00	0.53	--	--	0.10	0.02
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-19	--	-2	--	--	--	-11	-11
80% confidence	Negative Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.035	--	0.0000	--	--	--	0.0000	0.0000
B11-O								
Mean	5,650.00	--	716.67	3.80	--	--	0.10	0.09
UCL	6,041.50	--	738.48	--	--	--	0.14	0.21
Median	5,760.00	--	720.00	3.80	--	--	0.08	0.01
Standard Deviation	755.13	--	42.07	--	--	--	0.08	0.23

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Coefficient of Variation	3.36	2.39	3.11	2.23	0.06	0.40	2.80	0.45	1.09	0.21
Skewness	3.46	3.46	3.46	3.46	-0.42	3.41	3.46	3.33	0.86	-0.13
Minimum	0.03	0.0025	0.02	0.0009	760.00	0.19	0.00004	62.00	1.38	10.00
Maximum	206.10	0.07	4.10	0.02	960.00	0.52	0.003	205.00	14.00	21.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-25	-11	6	-11	-12	-8	-17	-11	-15	-6
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
90% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	0.0000	0.0000	-0.056	0.0000	0.0000	-0.004	0.0000	-0.001
B11-U										
Mean	0.14	0.0025	0.06	0.0010	595.83	0.11	0.00007	2.04	30.33	9.00
UCL	0.21	0.0026	0.06	0.0010	613.44	0.12	0.00007	2.12	36.06	9.66
Median	0.08	0.0025	0.06	0.0009	600.00	0.11	0.00007	2.00	33.00	9.00
Standard Deviation	0.14	0.00016	0.003	0.000016	33.97	0.006	0.000004	0.14	11.05	1.28
Coefficient of Variation	1.01	0.06	0.05	0.02	0.06	0.05	0.06	0.07	0.36	0.14
Skewness	2.69	3.46	0.08	3.46	0.28	-0.17	3.46	3.46	-1.17	0.31
Minimum	0.01	0.0025	0.06	0.0009	540.00	0.10	0.00007	2.00	4.00	7.00
Maximum	0.55	0.0030	0.07	0.0010	670.00	0.12	0.00008	2.50	47.00	11.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-22	-11	33	-11	9	0	-11	-11	8	17
80% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.006	0.001
B12-CO										
Mean	10.21	0.01	0.17	0.0009	630.00	0.44	0.00012	209.50	1.00	12.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	10.21	0.01	0.17	0.0009	630.00	0.44	0.00012	209.50	1.00	12.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	10.21	0.01	0.17	0.0009	630.00	0.44	0.00012	209.50	1.00	12.00
Maximum	10.21	0.01	0.17	0.0009	630.00	0.44	0.00012	209.50	1.00	12.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-LK										
Mean	8.47	0.0025	0.32	0.0009	430.00	0.17	0.00004	40.50	3.00	7.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	8.47	0.0025	0.32	0.0009	430.00	0.17	0.00004	40.50	3.00	7.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	8.47	0.0025	0.32	0.0009	430.00	0.17	0.00004	40.50	3.00	7.00
Maximum	8.47	0.0025	0.32	0.0009	430.00	0.17	0.00004	40.50	3.00	7.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-U										
Mean	4.03	0.007	0.10	0.0008	370.00	0.11	0.00004	5.00	8.00	8.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	4.03	0.007	0.10	0.0008	370.00	0.11	0.00004	5.00	8.00	8.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	4.03	0.007	0.10	0.0008	370.00	0.11	0.00004	5.00	8.00	8.00
Maximum	4.03	0.007	0.10	0.0008	370.00	0.11	0.00004	5.00	8.00	8.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-UK1										
Mean	40.96	0.02	1.80	0.005	740.00	0.23	0.00022	55.50	14.00	6.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	40.96	0.02	1.80	0.005	740.00	0.23	0.00022	55.50	14.00	6.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	40.96	0.02	1.80	0.005	740.00	0.23	0.00022	55.50	14.00	6.00
Maximum	40.96	0.02	1.80	0.005	740.00	0.23	0.00022	55.50	14.00	6.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Coefficient of Variation	3.17	3.08	0.41	0.00	3.37	3.34	0.47	2.09	0.27	2.02
Skewness	3.46	3.44	3.03	--	3.46	3.46	3.38	3.45	-3.03	3.43
Minimum	0.0010	0.0010	0.80	1.55	0.02	0.0005	33.00	0.13	0.000007	0.005
Maximum	0.19	0.25	2.40	1.55	173.58	0.27	112.00	3.47	0.00005	0.10
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-8	-10	-6	0	-32	-10	-9	-60	-17	-30
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000
B11-U										
Mean	0.0010	0.0010	1.93	1.55	0.07	0.0005	1.00	0.007	0.00004	0.005
UCL	0.0010	0.0011	2.29	1.55	0.10	0.0005	1.00	0.009	0.00004	0.005
Median	0.0010	0.0011	1.70	1.55	0.05	0.0004	1.00	0.005	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.000019	0.70	0.00	0.07	0.00004	0.00	0.003	0.000004	0.000000000000000009
Coefficient of Variation	0.00000000000000023	0.02	0.36	0.00	0.96	0.10	0.00	0.50	0.09	0.000000000000000018
Skewness	-1.15	-2.06	3.17	--	3.07	3.46	--	2.38	3.46	1.15
Minimum	0.0010	0.0010	1.50	1.55	0.02	0.0004	1.00	0.005	0.00004	0.005
Maximum	0.0010	0.0011	4.10	1.55	0.27	0.0006	1.00	0.02	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	12	-16	0	-38	-11	0	-29	-11	0
80% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0003	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B12-CO										
Mean	0.02	0.03	0.50	1.00	16.17	0.02	451.50	0.21	0.00011	0.006
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.03	0.50	1.00	16.17	0.02	451.50	0.21	0.00011	0.006
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.03	0.50	1.00	16.17	0.02	451.50	0.21	0.00011	0.006
Maximum	0.02	0.03	0.50	1.00	16.17	0.02	451.50	0.21	0.00011	0.006
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-LK										
Mean	0.0020	0.004	0.90	1.00	3.10	0.006	56.50	0.08	0.000007	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0020	0.004	0.90	1.00	3.10	0.006	56.50	0.08	0.000007	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	0.004	0.90	1.00	3.10	0.006	56.50	0.08	0.000007	0.005
Maximum	0.0020	0.004	0.90	1.00	3.10	0.006	56.50	0.08	0.000007	0.005
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-U										
Mean	0.0020	0.0025	1.00	1.00	1.59	0.0027	2.50	0.03	0.000007	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0020	0.0025	1.00	1.00	1.59	0.0027	2.50	0.03	0.000007	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	0.0025	1.00	1.00	1.59	0.0027	2.50	0.03	0.000007	0.005
Maximum	0.0020	0.0025	1.00	1.00	1.59	0.0027	2.50	0.03	0.000007	0.005
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-UK1										
Mean	0.02	0.03	1.30	1.00	19.31	0.04	33.50	0.30	0.00004	0.009
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.03	1.30	1.00	19.31	0.04	33.50	0.30	0.00004	0.009
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.03	1.30	1.00	19.31	0.04	33.50	0.30	0.00004	0.009
Maximum	0.02	0.03	1.30	1.00	19.31	0.04	33.50	0.30	0.00004	0.009
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Coefficient of Variation	1.94	0.83	0.03	--	0.84	0.05	0.22	0.06	0.06	0.05	--
Skewness	3.40	0.01	1.15	--	3.44	-2.11	-2.58	1.23	0.66	0.82	--
Minimum	0.004	0.01	7.60	3.51	10.00	6,510.00	0.0010	1,610.00	36.70	3,100.00	--
Maximum	0.18	1.02	8.30	3.51	55.50	7,810.00	0.0030	2,030.00	46.90	3,700.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-50	43	-11	--	-16	-13	-1	6	4	22	--
80% confidence	Negative Trend	Positive Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
90% confidence	Negative Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	Negative Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	Negative Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0008	-0.0001	--	-0.0005	-0.180	0.0000	0.013	0.0001	0.242	--
B11-U											
Mean	0.008	0.01	8.59	0.18	1.00	959.92	0.0010	238.29	37.44	1.17	--
UCL	0.008	0.01	8.67	--	1.00	975.14	0.0010	240.75	38.10	1.30	--
Median	0.008	0.01	8.60	0.18	1.00	967.50	0.0010	237.00	37.45	1.09	--
Standard Deviation	0.0006	0.0029	0.14	--	0.00	29.37	0.00000000000000000023	4.75	1.27	0.26	--
Coefficient of Variation	0.08	0.27	0.02	--	0.00	0.03	0.00000000000000000023	0.02	0.03	0.22	--
Skewness	3.46	3.46	-0.26	--	--	-1.00	-1.15	0.13	-1.53	3.46	--
Minimum	0.008	0.01	8.30	0.18	1.00	900.00	0.0010	231.00	34.10	1.09	--
Maximum	0.01	0.02	8.80	0.18	1.00	1,000.00	0.0010	245.00	39.30	2.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	-5	-5	--	0	10	0	5	33	-11	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.013	0.0000	0.0004	0.002	0.0000	--
B12-CO											
Mean	0.02	0.58	7.90	--	22.50	5,570.00	0.02	708.50	6.40	3,000.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.58	7.90	--	22.50	5,570.00	0.02	708.50	6.40	3,000.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.58	7.90	--	22.50	5,570.00	0.02	708.50	6.40	3,000.00	--
Maximum	0.02	0.58	7.90	--	22.50	5,570.00	0.02	708.50	6.40	3,000.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B12-LK											
Mean	0.0020	0.02	8.10	--	4.00	2,590.00	0.0010	496.00	12.20	880.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.0020	0.02	8.10	--	4.00	2,590.00	0.0010	496.00	12.20	880.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	0.02	8.10	--	4.00	2,590.00	0.0010	496.00	12.20	880.00	--
Maximum	0.0020	0.02	8.10	--	4.00	2,590.00	0.0010	496.00	12.20	880.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B12-U											
Mean	0.0025	0.01	8.60	--	2.50	1,600.00	0.0010	341.50	34.50	450.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.0025	0.01	8.60	--	2.50	1,600.00	0.0010	341.50	34.50	450.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0025	0.01	8.60	--	2.50	1,600.00	0.0010	341.50	34.50	450.00	--
Maximum	0.0025	0.01	8.60	--	2.50	1,600.00	0.0010	341.50	34.50	450.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B12-UK1											
Mean	0.02	0.03	8.20	--	8.50	3,520.00	0.0015	828.00	34.80	1,200.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.03	8.20	--	8.50	3,520.00	0.0015	828.00	34.80	1,200.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.03	8.20	--	8.50	3,520.00	0.0015	828.00	34.80	1,200.00	--
Maximum	0.02	0.03	8.20	--	8.50	3,520.00	0.0015	828.00	34.80	1,200.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Coefficient of Variation	0.13	--	0.06	--	--	--	0.81	2.46
Skewness	-0.80	--	-0.44	--	--	--	3.46	3.32
Minimum	3,860.00	--	640.00	3.80	--	--	0.08	0.010
Maximum	7,020.00	--	790.00	3.80	--	--	0.35	0.81
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	7	--	-20	--	--	--	-11	-8
80% confidence	No Trend	--	Negative Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	Negative Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.139	--	-0.044	--	--	--	0.0000	0.0000
B11-U								
Mean	572.75	--	539.17	0.38	--	--	0.08	0.010
UCL	589.21	--	549.87	--	--	--	0.08	0.010
Median	573.00	--	550.00	0.38	--	--	0.08	0.009
Standard Deviation	31.74	--	20.65	--	--	--	0.007	0.00016
Coefficient of Variation	0.06	--	0.04	--	--	--	0.09	0.02
Skewness	-0.61	--	-1.20	--	--	--	3.46	3.46
Minimum	508.00	--	500.00	0.38	--	--	0.08	0.009
Maximum	622.00	--	560.00	0.38	--	--	0.10	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-12	--	3	--	--	--	-11	-11
80% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.024	--	0.0000	--	--	--	0.0000	0.0000
B12-CO								
Mean	4,460.00	--	520.00	--	--	--	0.04	0.04
UCL	--	--	--	--	--	--	--	--
Median	4,460.00	--	520.00	--	--	--	0.04	0.04
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	4,460.00	--	520.00	--	--	--	0.04	0.04
Maximum	4,460.00	--	520.00	--	--	--	0.04	0.04
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B12-LK								
Mean	1,700.00	--	350.00	--	--	--	0.01	0.01
UCL	--	--	--	--	--	--	--	--
Median	1,700.00	--	350.00	--	--	--	0.01	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	1,700.00	--	350.00	--	--	--	0.01	0.01
Maximum	1,700.00	--	350.00	--	--	--	0.01	0.01
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B12-U								
Mean	956.00	--	320.00	--	--	--	0.01	0.01
UCL	--	--	--	--	--	--	--	--
Median	956.00	--	320.00	--	--	--	0.01	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	956.00	--	320.00	--	--	--	0.01	0.01
Maximum	956.00	--	320.00	--	--	--	0.01	0.01
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B12-UK1								
Mean	1,450.00	--	630.00	--	--	--	0.02	0.08
UCL	--	--	--	--	--	--	--	--
Median	1,450.00	--	630.00	--	--	--	0.02	0.08
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	1,450.00	--	630.00	--	--	--	0.02	0.08
Maximum	1,450.00	--	630.00	--	--	--	0.02	0.08
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-UK2										
Mean	3.91	0.0030	0.09	0.0008	570.00	0.39	0.00006	209.00	1.00	6.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	3.91	0.0030	0.09	0.0008	570.00	0.39	0.00006	209.00	1.00	6.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	3.91	0.0030	0.09	0.0008	570.00	0.39	0.00006	209.00	1.00	6.00
Maximum	3.91	0.0030	0.09	0.0008	570.00	0.39	0.00006	209.00	1.00	6.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B1-C										
Mean	0.04	0.010	0.10	0.0008	530.00	0.47	0.000030	98.25	9.00	7.00
UCL	0.04	0.01	0.28	0.0008	656.28	0.56	0.000030	106.14	40.57	13.31
Median	0.04	0.010	0.10	0.0008	530.00	0.47	0.000030	98.25	9.00	7.00
Standard Deviation	0.00	0.0007	0.04	0.00	28.28	0.02	0.00	1.77	7.07	1.41
Coefficient of Variation	0.00	0.07	0.38	0.00	0.05	0.05	0.00	0.02	0.79	0.20
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.04	0.009	0.08	0.0008	510.00	0.45	0.000030	97.00	4.00	6.00
Maximum	0.04	0.01	0.13	0.0008	550.00	0.48	0.000030	99.50	14.00	8.00
Count (n)	2	2	2	2	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B1-U										
Mean	0.10	0.004	0.03	0.0010	346.67	1.18	0.00007	66.79	4.83	6.71
UCL	0.14	0.004	0.03	0.0010	356.13	1.22	0.00008	69.02	7.93	7.16
Median	0.08	0.0030	0.03	0.0009	350.00	1.18	0.00007	65.50	2.20	7.00
Standard Deviation	0.08	0.0014	0.006	0.000016	18.26	0.08	0.000013	4.29	5.98	0.86
Coefficient of Variation	0.81	0.39	0.19	0.02	0.05	0.07	0.18	0.06	1.24	0.13
Skewness	3.46	2.92	0.73	3.46	-0.70	0.50	3.46	0.49	3.01	-0.27
Minimum	0.08	0.0030	0.02	0.0009	310.00	1.02	0.00007	59.50	2.00	5.00
Maximum	0.35	0.008	0.04	0.0010	370.00	1.36	0.00011	74.00	23.00	8.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	7	34	-11	0	-1	-11	32	8	12
80% confidence	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.008	0.0000	0.0000
B2-K										
Mean	0.08	0.0025	0.02	0.0010	1,378.33	0.16	0.00007	22.13	43.17	13.00
UCL	0.09	0.0025	0.02	0.0010	1,452.64	0.17	0.00007	22.79	70.05	14.82
Median	0.08	0.0025	0.02	0.0010	1,400.00	0.16	0.00007	22.00	30.00	14.00
Standard Deviation	0.02	0.0000000000000000005	0.0028	0.00000000000000000011	143.33	0.008	0.00000000000000000014	1.28	51.85	3.52
Coefficient of Variation	0.27	0.00000000000000018	0.17	0.00000000000000012	0.10	0.05	0.00000000000000021	0.06	1.20	0.27
Skewness	-3.46	1.15	1.35	1.15	-2.01	0.33	1.15	1.30	2.90	-1.05
Minimum	0.01	0.0025	0.01	0.0010	1,000.00	0.15	0.00007	21.00	2.50	5.00
Maximum	0.08	0.0025	0.02	0.0010	1,500.00	0.18	0.00007	25.00	200.00	17.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-7	0	-37	0	-14	17	0	-6	18	1
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.029	0.0000
B2-U										
Mean	0.10	0.006	0.06	0.0010	693.75	0.14	0.00007	2.00	34.50	33.83
UCL	0.15	0.007	0.07	0.0010	708.13	0.14	0.00007	2.00	38.07	34.84
Median	0.08	0.004	0.07	0.0010	700.00	0.14	0.00007	2.00	34.50	34.00
Standard Deviation	0.09	0.003	0.007	0.00000000000000000011	27.73	0.009	0.00000000000000000014	0.00	6.90	1.95
Coefficient of Variation	0.92	0.57	0.11	0.00000000000000012	0.04	0.06	0.00000000000000021	0.00	0.20	0.06
Skewness	3.46	0.76	-0.90	1.15	-1.88	-0.44	1.15	--	0.90	0.19
Minimum	0.08	0.0020	0.05	0.0010	620.00	0.12	0.00007	2.00	24.00	30.00
Maximum	0.40	0.01	0.07	0.0010	720.00	0.15	0.00007	2.00	50.00	38.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	-48	62	0	-15	15	0	0	5	35
80% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend
90% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.022	0.0000	0.0000	0.0000	0.002	0.003
B3-K										
Mean	0.29	0.0025	0.03	0.0010	1,065.83	0.62	0.00007	164.38	3.50	42.08
UCL	0.58	0.0027	0.05	0.0010	1,092.03	0.64	0.00007	170.48	7.01	45.08

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B12-UK2										
Mean	0.01	0.02	0.60	1.00	5.46	0.005	458.00	0.13	0.00004	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.01	0.02	0.60	1.00	5.46	0.005	458.00	0.13	0.00004	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	0.02	0.60	1.00	5.46	0.005	458.00	0.13	0.00004	0.005
Maximum	0.01	0.02	0.60	1.00	5.46	0.005	458.00	0.13	0.00004	0.005
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B1-C										
Mean	0.0013	0.0010	1.15	1.00	0.10	0.00030	146.25	0.005	0.000005	0.008
UCL	0.0028	0.0010	1.47	1.00	0.10	0.00030	179.40	0.005	0.000005	0.01
Median	0.0013	0.0010	1.15	1.00	0.10	0.00030	146.25	0.005	0.000005	0.008
Standard Deviation	0.0004	0.00	0.07	0.00	0.00	0.00	7.42	0.00	0.00	0.0011
Coefficient of Variation	0.28	0.00	0.06	0.00	0.00	0.00	0.05	0.00	0.00	0.14
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	1.10	1.00	0.10	0.00030	141.00	0.005	0.000005	0.007
Maximum	0.0015	0.0010	1.20	1.00	0.10	0.00030	151.50	0.005	0.000005	0.009
Count (n)	2	2	2	2	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
B1-U										
Mean	0.0010	0.0010	1.45	1.82	0.21	0.0006	101.29	0.04	0.00004	0.02
UCL	0.0010	0.0010	1.74	1.82	0.31	0.0008	104.08	0.07	0.00004	0.02
Median	0.0010	0.0010	1.30	1.82	0.16	0.0004	101.50	0.03	0.00004	0.02
Standard Deviation	0.0000000000000000023	0.000013	0.56	0.00	0.19	0.0005	5.37	0.06	0.000004	0.0006
Coefficient of Variation	0.0000000000000023	0.01	0.38	0.00	0.92	0.80	0.05	1.28	0.09	0.03
Skewness	-1.15	-3.46	3.37	--	3.43	3.46	0.62	3.45	3.46	0.000000000000010
Minimum	0.0010	0.0010	1.20	1.82	0.12	0.0004	93.00	0.02	0.00004	0.02
Maximum	0.0010	0.0010	3.20	1.82	0.83	0.0021	113.00	0.22	0.00005	0.02
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-5	-1	0	2	-11	46	-23	-11	-6
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.010	0.0000	0.0000	0.0000
B2-K										
Mean	0.0010	0.0010	1.01	2.00	0.20	0.0005	8.42	0.04	0.00004	0.005
UCL	0.0010	0.0010	1.06	2.00	0.22	0.0005	8.68	0.05	0.00004	0.005
Median	0.0010	0.0010	1.00	2.00	0.20	0.0005	8.00	0.04	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.10	0.00	0.04	0.00000000000000000006	0.51	0.02	0.0000000000000000000014	0.0000000000000000009
Coefficient of Variation	0.0000000000000023	0.0000000000000023	0.10	0.00	0.22	0.0000000000000013	0.06	0.40	0.0000000000000003	0.0000000000000018
Skewness	-1.15	-1.15	-0.85	--	-1.24	1.15	0.39	1.19	-1.15	1.15
Minimum	0.0010	0.0010	0.80	2.00	0.09	0.0005	8.00	0.03	0.00004	0.005
Maximum	0.0010	0.0010	1.10	2.00	0.25	0.0005	9.00	0.08	0.00004	0.005
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	5	0	-20	0	-1	-56	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B2-U										
Mean	0.0010	0.0010	2.06	2.00	0.08	0.0005	1.00	0.03	0.00004	0.005
UCL	0.0010	0.0010	2.14	2.00	0.10	0.0007	1.00	0.03	0.00004	0.005
Median	0.0010	0.0010	2.00	2.00	0.06	0.0005	1.00	0.03	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.16	0.00	0.04	0.00024	0.00	0.008	0.0000000000000000000014	0.0000000000000000009
Coefficient of Variation	0.0000000000000023	0.0000000000000023	0.08	0.00	0.57	0.45	0.00	0.28	0.0000000000000003	0.0000000000000018
Skewness	-1.15	-1.15	0.67	--	3.11	3.46	--	0.43	-1.15	1.15
Minimum	0.0010	0.0010	1.80	2.00	0.05	0.0005	1.00	0.02	0.00004	0.005
Maximum	0.0010	0.0010	2.40	2.00	0.21	0.0013	1.00	0.04	0.00004	0.005
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	6	0	4	-7	0	-49	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B3-K										
Mean	0.005	0.007	0.19	1.55	1.24	0.0008	71.83	0.14	0.00004	0.005
UCL	0.008	0.008	0.21	1.55	1.66	0.0014	73.08	0.16	0.00004	0.005

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B12-UK2											
Mean	0.007	0.36	7.90	--	21.00	5,520.00	0.01	686.50	6.26	3,000.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.007	0.36	7.90	--	21.00	5,520.00	0.01	686.50	6.26	3,000.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.007	0.36	7.90	--	21.00	5,520.00	0.01	686.50	6.26	3,000.00	--
Maximum	0.007	0.36	7.90	--	21.00	5,520.00	0.01	686.50	6.26	3,000.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B1-C											
Mean	0.0020	1.73	8.10	--	17.00	2,025.00	0.005	177.75	2.64	795.00	--
UCL	0.0020	2.70	8.10	--	17.00	2,182.85	0.008	229.84	3.84	826.57	--
Median	0.0020	1.73	8.10	--	17.00	2,025.00	0.005	177.75	2.64	795.00	--
Standard Deviation	0.00	0.22	0.00	--	0.00	35.36	0.0007	11.67	0.27	7.07	--
Coefficient of Variation	0.00	0.13	0.00	--	0.00	0.02	0.16	0.07	0.10	0.009	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.0020	1.57	8.10	--	17.00	2,000.00	0.004	169.50	2.45	790.00	--
Maximum	0.0020	1.88	8.10	--	17.00	2,050.00	0.005	186.00	2.83	800.00	--
Count (n)	2	2	2	--	2	2	2	2	2	2	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
B1-U											
Mean	0.008	0.38	7.80	0.01	19.21	1,426.67	0.0014	101.08	1.82	538.33	--
UCL	0.008	0.50	7.90	--	19.58	1,467.99	0.0017	103.49	1.84	557.71	--
Median	0.008	0.49	7.80	0.01	19.00	1,435.00	0.0010	100.00	1.83	525.00	--
Standard Deviation	0.0006	0.22	0.19	--	0.72	79.70	0.0005	4.64	0.05	37.38	--
Coefficient of Variation	0.08	0.57	0.02	--	0.04	0.06	0.36	0.05	0.03	0.07	--
Skewness	3.46	-0.56	0.61	--	-0.89	-1.48	0.39	0.43	0.41	1.10	--
Minimum	0.008	0.01	7.50	0.01	17.50	1,230.00	0.0010	95.00	1.76	500.00	--
Maximum	0.01	0.62	8.20	0.01	20.00	1,510.00	0.0020	109.00	1.92	620.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	50	-9	--	29	27	35	42	18	48	--
80% confidence	Negative Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	No Trend	Positive Trend	No Trend	--	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0005	-0.0001	--	0.0005	0.123	0.0000	0.013	0.0000	0.084	--
B2-K											
Mean	0.008	0.01	8.13	--	5.08	4,633.33	0.0011	1,165.42	53.54	1,388.33	--
UCL	0.008	0.01	8.21	--	5.23	4,745.39	0.0012	1,182.31	54.63	1,438.25	--
Median	0.008	0.01	8.10	--	5.00	4,715.00	0.0010	1,160.00	53.55	1,400.00	--
Standard Deviation	0.00000000000000000018	0.0029	0.15	--	0.29	216.14	0.00029	32.58	2.11	96.28	--
Coefficient of Variation	0.00000000000000000023	0.27	0.02	--	0.06	0.05	0.27	0.03	0.04	0.07	--
Skewness	-1.15	3.46	0.92	--	3.46	-1.65	3.46	1.48	1.09	-0.51	--
Minimum	0.008	0.01	7.90	--	5.00	4,110.00	0.0010	1,120.00	50.50	1,200.00	--
Maximum	0.008	0.02	8.50	--	6.00	4,830.00	0.0020	1,250.00	58.60	1,500.00	--
Count (n)	12	12	12	--	12	12	12	12	12	12	--
Mann-Kendall S	0	7	-25	--	-7	20	-7	-9	-8	16	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	0.272	0.0000	-0.016	-0.001	0.060	--
B2-U											
Mean	0.008	0.01	8.46	--	1.08	1,168.33	0.0010	292.96	45.87	1.17	--
UCL	0.008	0.01	8.53	--	1.23	1,189.40	0.0010	296.33	46.54	1.17	--
Median	0.008	0.01	8.45	--	1.00	1,180.00	0.0010	292.00	45.75	1.17	--
Standard Deviation	0.00000000000000000018	0.00000000000000000018	0.14	--	0.29	40.64	0.00000000000000000023	6.50	1.30	0.00000000000000000023	--
Coefficient of Variation	0.00000000000000000023	0.00000000000000000018	0.02	--	0.27	0.03	0.00000000000000000023	0.02	0.03	0.00000000000000000020	--
Skewness	-1.15	1.15	-0.08	--	3.46	-1.18	-1.15	2.04	0.67	1.15	--
Minimum	0.008	0.01	8.20	--	1.00	1,080.00	0.0010	285.00	43.90	1.17	--
Maximum	0.008	0.01	8.70	--	2.00	1,210.00	0.0010	311.00	48.60	1.17	--
Count (n)	12	12	12	--	12	12	12	12	12	12	--
Mann-Kendall S	0	0	14	--	-7	12	0	-8	26	0	--
80% confidence	No Trend	No Trend	Positive Trend	--	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0001	--	0.0000	0.027	0.0000	-0.003	0.002	0.0000	--
B3-K											
Mean	0.008	0.03	7.38	0.36	10.25	6,588.33	0.0010	1,431.67	23.37	2,908.33	--
UCL	0.010	0.03	7.49	--	10.57	6,834.88	0.0010	1,444.33	23.75	2,964.51	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B12-UK2								
Mean	4,660.00	--	470.00	--	--	--	0.02	0.03
UCL	--	--	--	--	--	--	--	--
Median	4,660.00	--	470.00	--	--	--	0.02	0.03
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	4,660.00	--	470.00	--	--	--	0.02	0.03
Maximum	4,660.00	--	470.00	--	--	--	0.02	0.03
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B1-C								
Mean	1,490.00	--	450.00	--	--	--	0.05	0.008
UCL	1,679.42	--	513.14	--	--	--	0.06	0.008
Median	1,490.00	--	450.00	--	--	--	0.05	0.008
Standard Deviation	42.43	--	14.14	--	--	--	0.004	0.00
Coefficient of Variation	0.03	--	0.03	--	--	--	0.07	0.00
Skewness	--	--	--	--	--	--	--	--
Minimum	1,460.00	--	440.00	--	--	--	0.05	0.008
Maximum	1,520.00	--	460.00	--	--	--	0.05	0.008
Count (n)	2	--	2	--	--	--	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
B1-U								
Mean	986.92	--	290.83	0.05	--	--	0.08	0.010
UCL	1,026.87	--	296.45	--	--	--	0.08	0.010
Median	999.00	--	290.00	0.05	--	--	0.08	0.009
Standard Deviation	77.06	--	10.84	--	--	--	0.007	0.00016
Coefficient of Variation	0.08	--	0.04	--	--	--	0.09	0.02
Skewness	-0.94	--	-0.19	--	--	--	3.46	3.46
Minimum	808.00	--	270.00	0.05	--	--	0.08	0.009
Maximum	1,100.00	--	310.00	0.05	--	--	0.10	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	28	--	26	--	--	--	-11	-11
80% confidence	Positive Trend	--	Positive Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	Positive Trend	--	Positive Trend	--	--	--	Negative Trend	Negative Trend
95% confidence	Positive Trend	--	Positive Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.117	--	0.016	--	--	--	0.0000	0.0000
B2-K								
Mean	3,147.50	--	1,192.50	--	--	--	0.08	0.010
UCL	3,348.36	--	1,207.68	--	--	--	0.08	0.010
Median	3,240.00	--	1,200.00	--	--	--	0.08	0.009
Standard Deviation	387.42	--	29.27	--	--	--	0.00	0.00023
Coefficient of Variation	0.12	--	0.02	--	--	--	0.00	0.02
Skewness	-3.15	--	-3.40	--	--	--	--	2.06
Minimum	1,950.00	--	1,100.00	--	--	--	0.08	0.009
Maximum	3,380.00	--	1,210.00	--	--	--	0.08	0.01
Count (n)	12	--	12	--	--	--	12	12
Mann-Kendall S	-11	--	-9	--	--	--	0	-4
80% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.079	--	0.0000	--	--	--	0.0000	0.0000
B2-U								
Mean	688.42	--	625.67	--	--	--	0.08	0.010
UCL	705.07	--	636.63	--	--	--	0.08	0.010
Median	696.00	--	630.00	--	--	--	0.08	0.010
Standard Deviation	32.12	--	21.15	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	-0.93	--	-1.32	--	--	--	--	1.15
Minimum	625.00	--	580.00	--	--	--	0.08	0.010
Maximum	725.00	--	650.00	--	--	--	0.08	0.010
Count (n)	12	--	12	--	--	--	12	12
Mann-Kendall S	-6	--	-9	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.021	--	-0.005	--	--	--	0.0000	0.0000
B3-K								
Mean	5,167.50	--	875.00	14.00	--	--	0.08	0.03
UCL	5,325.53	--	888.89	--	--	--	0.08	0.04

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Median	0.11	0.0026	0.02	0.0010	1,100.00	0.62	0.00007	165.50	1.55	42.50
Standard Deviation	0.56	0.0005	0.03	0.00000000000000000011	50.54	0.04	0.0000007	11.78	6.77	5.78
Coefficient of Variation	1.89	0.19	1.09	0.00000000000000012	0.05	0.07	0.009	0.07	1.93	0.14
Skewness	3.41	-3.46	3.35	1.15	-0.82	0.28	-3.46	0.02	3.46	-0.19
Minimum	0.06	0.0010	0.02	0.0010	990.00	0.56	0.00007	142.00	1.55	33.00
Maximum	2.05	0.0026	0.13	0.0010	1,100.00	0.70	0.00007	186.00	25.00	50.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-21	-9	-6	0	-3	-35	-9	4	11	1
80% confidence	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.002	0.0000	0.0000
B3-U										
Mean	0.22	0.0025	0.06	0.0010	734.17	0.15	0.00007	2.50	33.17	13.83
UCL	0.31	0.0025	0.07	0.0010	758.63	0.16	0.00007	2.77	38.51	14.45
Median	0.10	0.0025	0.06	0.0010	735.00	0.15	0.00007	2.50	35.50	14.00
Standard Deviation	0.17	0.000000000000000005	0.010	0.00000000000000000011	47.19	0.007	0.00000000000000000014	0.52	10.30	1.19
Coefficient of Variation	0.78	0.00000000000000018	0.16	0.00000000000000012	0.06	0.05	0.00000000000000000021	0.21	0.31	0.09
Skewness	0.96	1.15	-0.25	1.15	1.42	-0.16	1.15	0.00	-2.31	-0.007
Minimum	0.08	0.0025	0.04	0.0010	650.00	0.14	0.00007	2.00	4.00	12.00
Maximum	0.51	0.0025	0.08	0.0010	860.00	0.17	0.00007	3.00	42.00	16.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	11	0	11	0	-12	-5	0	-20	9	13
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.005	0.0000	0.0000	0.0000	0.004	0.0000
B4-K										
Mean	0.08	0.0025	0.01	0.0010	938.33	0.20	0.00007	75.38	8.00	13.67
UCL	0.09	0.0025	0.01	0.0010	964.00	0.21	0.00007	76.86	12.42	14.92
Median	0.08	0.0025	0.01	0.0010	950.00	0.20	0.00007	75.00	1.43	14.00
Standard Deviation	0.02	0.000000000000000005	0.0025	0.00000000000000000011	49.51	0.02	0.00000000000000000014	2.87	8.53	2.42
Coefficient of Variation	0.26	0.00000000000000018	0.23	0.00000000000000012	0.05	0.08	0.00000000000000021	0.04	1.07	0.18
Skewness	-3.46	1.15	1.54	1.15	-0.47	-0.12	1.15	0.76	0.65	-0.22
Minimum	0.01	0.0025	0.008	0.0010	850.00	0.17	0.00007	72.00	1.43	10.00
Maximum	0.08	0.0025	0.02	0.0010	1,000.00	0.23	0.00007	81.50	21.00	17.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-7	0	-41	0	31	22	0	10	7	0
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.083	0.0000	0.0000	0.003	0.0000	0.0000
B4-O										
Mean	0.65	0.0030	0.03	0.0010	1,350.00	0.16	0.00009	155.88	1.50	16.42
UCL	0.76	0.004	0.05	0.0010	1,384.95	0.17	0.00009	161.36	1.50	17.81
Median	0.71	0.0026	0.01	0.0010	1,400.00	0.16	0.00009	152.50	1.50	17.00
Standard Deviation	0.20	0.0021	0.05	0.00000000000000000011	67.42	0.01	0.00	10.57	0.00	2.68
Coefficient of Variation	0.31	0.69	1.58	0.00000000000000012	0.05	0.08	0.00	0.07	0.00	0.16
Skewness	-3.46	3.13	3.35	1.15	-1.07	-0.94	--	2.53	--	-1.08
Minimum	0.01	0.0010	0.01	0.0010	1,200.00	0.13	0.00009	148.00	1.50	11.00
Maximum	0.71	0.010	0.17	0.0010	1,400.00	0.18	0.00009	186.50	1.50	19.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-9	-19	-61	0	-1	-8	0	-20	0	-20
80% confidence	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.007	0.0000	-0.003
B4-U										
Mean	0.37	0.0026	0.02	0.0010	782.50	0.14	0.00007	6.63	25.25	18.33
UCL	0.47	0.0028	0.02	0.0010	808.86	0.14	0.00007	6.92	31.24	19.11
Median	0.30	0.0025	0.02	0.0010	785.00	0.14	0.00007	7.00	28.00	18.00
Standard Deviation	0.20	0.0004	0.004	0.00000000000000000011	50.83	0.007	0.00000000000000000014	0.57	11.56	1.50
Coefficient of Variation	0.55	0.17	0.20	0.00000000000000012	0.06	0.05	0.00000000000000000021	0.09	0.46	0.08
Skewness	0.47	3.46	1.25	1.15	-0.09	0.11	1.15	-0.14	-1.37	0.29
Minimum	0.10	0.0025	0.01	0.0010	680.00	0.13	0.00007	6.00	2.50	16.00
Maximum	0.70	0.004	0.03	0.0010	870.00	0.15	0.00007	7.50	37.00	21.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	14	-11	-24	0	-9	-21	0	-13	14	-2
80% confidence	Positive Trend	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0001	0.0000	0.0000	0.0000	-0.048	0.0000	0.0000	0.0000	0.008	0.0000
B5-K										
Mean	0.57	0.0025	0.09	0.0010	856.67	0.16	0.00007	2.04	31.25	12.75
UCL	1.15	0.0026	0.10	0.0010	876.36	0.17	0.00007	2.12	37.46	14.02
Median	0.20	0.0025	0.09	0.0009	865.00	0.16	0.00007	2.00	30.00	12.00
Standard Deviation	1.12	0.00016	0.02	0.000016	37.98	0.009	0.000004	0.14	11.99	2.45
Coefficient of Variation	1.99	0.06	0.18	0.02	0.04	0.06	0.06	0.07	0.38	0.19
Skewness	3.34	3.46	1.83	3.46	-0.30	0.25	3.46	3.46	0.26	1.54
Minimum	0.07	0.0025	0.07	0.0009	790.00	0.15	0.00007	2.00	9.00	10.00
Maximum	4.10	0.0030	0.13	0.0010	910.00	0.18	0.00008	2.50	57.00	19.00
Count (n)	12	12	12	12	12	12	12	12	12	12

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Median	0.004	0.007	0.20	1.55	1.05	0.0005	72.00	0.13	0.00004	0.005
Standard Deviation	0.006	0.0028	0.03	0.00	0.81	0.0011	2.41	0.03	0.00	0.000000000000000009
Coefficient of Variation	1.11	0.41	0.15	0.00	0.65	1.35	0.03	0.21	0.00	0.000000000000000018
Skewness	2.13	0.12	-3.46	--	3.26	3.38	-0.38	1.81	--	1.15
Minimum	0.0010	0.0030	0.10	1.55	0.67	0.0004	67.00	0.12	0.00004	0.005
Maximum	0.02	0.01	0.20	1.55	3.76	0.004	75.00	0.21	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-1	-9	-9	0	-22	-22	18	-25	0	0
80% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.002	0.0000	0.0000	0.0000
B3-U										
Mean	0.0011	0.0013	2.16	1.55	0.13	0.0005	1.00	0.02	0.00004	0.005
UCL	0.0012	0.0013	2.60	1.55	0.19	0.0005	1.00	0.02	0.00004	0.005
Median	0.0010	0.0013	2.00	1.55	0.09	0.0005	1.00	0.02	0.00004	0.005
Standard Deviation	0.00029	0.000000000000000023	0.84	0.00	0.11	0.00005	0.00	0.009	0.00	0.000000000000000009
Coefficient of Variation	0.27	0.00000000000000017	0.39	0.00	0.84	0.11	0.00	0.46	0.00	0.000000000000000018
Skewness	3.46	-1.15	3.29	--	2.09	-3.46	--	1.88	--	1.15
Minimum	0.0010	0.0013	1.60	1.55	0.05	0.00030	1.00	0.01	0.00004	0.005
Maximum	0.0020	0.0013	4.80	1.55	0.43	0.0005	1.00	0.04	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	1	0	-7	0	4	-9	0	-52	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B4-K										
Mean	0.0010	0.0010	0.41	1.55	0.39	0.0005	41.42	0.07	0.00004	0.005
UCL	0.0010	0.0010	0.42	1.55	0.47	0.0005	46.28	0.09	0.00004	0.005
Median	0.0010	0.0010	0.40	1.55	0.40	0.0005	39.00	0.07	0.00004	0.005
Standard Deviation	0.000000000000000000023	0.00	0.03	0.00	0.16	0.000000000000000000006	9.39	0.03	0.00	0.000000000000000009
Coefficient of Variation	0.000000000000000023	0.00	0.07	0.00	0.43	0.000000000000000013	0.23	0.36	0.00	0.000000000000000018
Skewness	-1.15	--	3.46	--	-0.25	1.15	3.02	0.93	--	1.15
Minimum	0.0010	0.0010	0.40	1.55	0.11	0.0005	36.00	0.04	0.00004	0.005
Maximum	0.0010	0.0010	0.50	1.55	0.66	0.0005	70.00	0.13	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	3	0	14	0	-20	-48	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	-0.005	-0.0001	0.0000	0.0000
B4-O										
Mean	0.0026	0.006	0.22	1.55	1.57	0.0015	404.92	0.19	0.00004	0.005
UCL	0.0027	0.006	0.25	1.55	2.13	0.0015	413.16	0.35	0.00004	0.005
Median	0.0026	0.006	0.20	1.55	1.85	0.0015	409.50	0.06	0.00004	0.005
Standard Deviation	0.00018	0.0014	0.06	0.00	1.07	0.00	15.89	0.31	0.00	0.00029
Coefficient of Variation	0.07	0.26	0.27	0.00	0.68	0.00	0.04	1.59	0.00	0.06
Skewness	-3.46	-3.46	3.46	--	-0.22	--	-0.62	2.78	--	3.46
Minimum	0.0020	0.0010	0.20	1.55	0.17	0.0015	374.00	0.04	0.00004	0.005
Maximum	0.0026	0.006	0.40	1.55	2.56	0.0015	428.00	1.11	0.00004	0.006
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	3	9	-11	0	-35	0	-14	-56	0	-11
80% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.002	0.0000	-0.016	-0.0002	0.0000	0.0000
B4-U										
Mean	0.0012	0.0020	1.10	1.55	0.16	0.0005	2.08	0.02	0.00004	0.005
UCL	0.0014	0.0030	1.14	1.55	0.20	0.0005	2.23	0.03	0.00004	0.005
Median	0.0010	0.0010	1.10	1.55	0.18	0.0005	2.00	0.02	0.00004	0.005
Standard Deviation	0.0004	0.0018	0.07	0.00	0.08	0.00004	0.29	0.01	0.00	0.0004
Coefficient of Variation	0.33	0.86	0.07	0.00	0.48	0.09	0.14	0.58	0.00	0.08
Skewness	2.06	1.77	0.000000000000005	--	-0.18	3.46	3.46	1.96	--	3.46
Minimum	0.0010	0.0010	1.00	1.55	0.05	0.0005	2.00	0.01	0.00004	0.005
Maximum	0.0020	0.007	1.20	1.55	0.28	0.0006	3.00	0.06	0.00004	0.007
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	12	-21	-17	0	-3	-3	-11	-42	0	-11
80% confidence	Positive Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B5-K										
Mean	0.0013	0.0013	1.79	1.55	0.24	0.0007	1.08	0.02	0.00004	0.005
UCL	0.0018	0.0013	1.88	1.55	0.51	0.0011	1.23	0.02	0.00004	0.005
Median	0.0010	0.0013	1.80	1.55	0.08	0.0004	1.00	0.01	0.00004	0.005
Standard Deviation	0.0009	0.00009	0.18	0.00	0.52	0.0008	0.29	0.007	0.000004	0.000000000000000009
Coefficient of Variation	0.67	0.07	0.10	0.00	2.16	1.18	0.27	0.44	0.09	0.000000000000000018
Skewness	2.95	-3.46	-0.08	--	3.43	3.46	3.46	2.18	--	3.46	1.15
Minimum	0.0010	0.0010	1.50	1.55	0.05	0.0004	1.00	0.01	0.00004	0.005
Maximum	0.004	0.0013	2.00	1.55	1.90	0.003	2.00	0.04	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Median	0.01	0.03	7.35	0.36	10.00	6,790.00	0.0010	1,440.00	23.30	2,900.00	--
Standard Deviation	0.003	0.01	0.22	--	0.62	475.54	0.0000000000000000023	24.43	0.73	108.36	--
Coefficient of Variation	0.41	0.43	0.03	--	0.06	0.07	0.0000000000000000023	0.02	0.03	0.04	--
Skewness	-1.41	0.39	1.15	--	-0.17	-1.91	-1.15	-0.28	0.98	0.32	--
Minimum	0.0020	0.01	7.10	0.36	9.00	5,500.00	0.0010	1,400.00	22.00	2,800.00	--
Maximum	0.01	0.05	7.80	0.36	11.00	6,900.00	0.0010	1,460.00	25.20	3,100.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-29	17	-29	--	11	10	0	12	15	21	--
80% confidence	Negative Trend	Positive Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	Negative Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0004	--	0.0000	0.133	0.0000	0.008	0.0003	0.110	--
B3-U											
Mean	0.008	0.01	8.43	0.12	1.33	1,165.00	0.0010	289.96	41.10	3.42	--
UCL	0.008	0.02	8.57	--	1.59	1,184.84	0.0010	292.79	41.87	6.39	--
Median	0.008	0.01	8.45	0.12	1.00	1,175.00	0.0010	290.00	41.40	1.00	--
Standard Deviation	0.0000000000000000018	0.006	0.26	--	0.49	38.26	0.0000000000000000023	5.45	1.48	5.73	--
Coefficient of Variation	0.0000000000000000023	0.50	0.03	--	0.37	0.03	0.0000000000000000023	0.02	0.04	1.68	--
Skewness	-1.15	2.56	-2.22	--	0.81	-1.42	-1.15	-0.02	-0.09	3.10	--
Minimum	0.008	0.01	7.70	0.12	1.00	1,080.00	0.0010	282.00	38.20	1.00	--
Maximum	0.008	0.03	8.70	0.12	2.00	1,210.00	0.0010	299.00	44.10	21.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	19	18	--	32	3	0	-6	15	-38	--
80% confidence	No Trend	Positive Trend	Positive Trend	--	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
95% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	0.0003	--	0.0000	0.0000	0.0000	-0.002	0.001	-0.003	--
B4-K											
Mean	0.008	0.01	7.86	0.006	7.96	5,090.00	0.0010	1,126.67	26.02	2,033.33	--
UCL	0.009	0.02	7.95	--	8.03	5,258.48	0.0010	1,146.23	27.02	2,073.70	--
Median	0.009	0.01	7.80	0.006	8.00	5,190.00	0.0010	1,135.00	26.50	2,000.00	--
Standard Deviation	0.0016	0.009	0.18	--	0.14	324.96	0.0000000000000000023	37.74	1.93	77.85	--
Coefficient of Variation	0.20	0.69	0.02	--	0.02	0.06	0.0000000000000000023	0.03	0.07	0.04	--
Skewness	-3.46	3.46	0.75	--	-3.46	-2.05	-1.15	-1.38	-2.86	0.67	--
Minimum	0.0030	0.01	7.50	0.006	7.50	4,220.00	0.0010	1,040.00	20.20	1,900.00	--
Maximum	0.009	0.04	8.30	0.006	8.00	5,430.00	0.0010	1,160.00	27.70	2,200.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-7	3	-28	--	11	-7	0	14	14	-4	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	0.0000	-0.078	0.0000	0.018	0.0006	0.0000	--
B4-O											
Mean	0.01	0.03	7.18	0.45	10.63	4,248.33	0.0010	414.50	3.98	1,766.67	--
UCL	0.01	0.06	7.36	--	11.30	4,395.06	0.0010	419.10	4.04	1,800.44	--
Median	0.008	0.02	7.05	0.45	10.00	4,355.00	0.0010	412.50	3.94	1,800.00	--
Standard Deviation	0.007	0.05	0.35	--	1.30	283.00	0.0000000000000000023	8.87	0.11	65.13	--
Coefficient of Variation	0.67	1.51	0.05	--	0.12	0.07	0.0000000000000000023	0.02	0.03	0.04	--
Skewness	2.26	3.19	1.86	--	2.81	-2.01	-1.15	0.30	0.34	0.44	--
Minimum	0.004	0.01	6.90	0.45	10.00	3,560.00	0.0010	402.00	3.83	1,700.00	--
Maximum	0.03	0.18	8.00	0.45	14.50	4,440.00	0.0010	429.00	4.16	1,900.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-34	27	-12	--	-19	-14	0	39	41	23	--
80% confidence	Negative Trend	Positive Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	Positive Trend	No Trend	--	Negative Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
95% confidence	Negative Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	-0.109	0.0000	0.020	0.0003	0.0000	--
B4-U											
Mean	0.008	0.01	8.31	0.08	2.42	2,170.83	0.0010	512.71	44.29	475.83	--
UCL	0.009	0.02	8.38	--	2.68	2,223.22	0.0010	518.93	45.22	492.00	--
Median	0.009	0.01	8.30	0.08	2.00	2,205.00	0.0010	508.50	44.25	485.00	--
Standard Deviation	0.0019	0.010	0.13	--	0.51	101.04	0.0000000000000000023	12.01	1.79	31.18	--
Coefficient of Variation	0.24	0.70	0.02	--	0.21	0.05	0.0000000000000000023	0.02	0.04	0.07	--
Skewness	-3.46	2.26	0.69	--	0.39	-1.89	-1.15	0.57	-0.90	-0.18	--
Minimum	0.0020	0.01	8.10	0.08	2.00	1,940.00	0.0010	495.00	39.90	430.00	--
Maximum	0.009	0.04	8.60	0.08	3.00	2,250.00	0.0010	535.00	47.50	520.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	3	-2	--	-7	11	0	21	40	17	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.040	0.0000	0.018	0.003	0.028	--
B5-K											
Mean	0.008	0.01	8.23	0.17	2.04	1,314.17	0.0010	333.88	51.13	1.33	--
UCL	0.008	0.01	8.31	--	2.12	1,344.11	0.0010	340.74	54.37	1.33	--
Median	0.008	0.01	8.20	0.17	2.00	1,330.00	0.0010	333.50	52.95	1.33	--
Standard Deviation	0.0006	0.0000000000000000018	0.15	--	0.14	57.75	0.0000000000000000023	13.24	6.26	0.0000000000000000023	--
Coefficient of Variation	0.08	0.0000000000000000018	0.02	--	0.07	0.04	0.0000000000000000023	0.04	0.12	0.0000000000000000017	--
Skewness	3.46	1.15	-0.32	--	3.46	-1.14	-1.15	0.37	-3.25	-1.15	--
Minimum	0.008	0.01	7.90	0.17	2.00	1,200.00	0.0010	312.00	31.60	1.33	--
Maximum	0.01	0.01	8.50	0.17	2.50	1,380.00	0.0010	362.00	55.20	1.33	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Median	5,235.00	--	885.00	14.00	--	--	0.08	0.02
Standard Deviation	304.81	--	26.80	--	--	--	0.00	0.03
Coefficient of Variation	0.06	--	0.03	--	--	--	0.00	0.95
Skewness	-0.79	--	-0.75	--	--	--	--	1.86
Minimum	4,540.00	--	830.00	14.00	--	--	0.08	0.008
Maximum	5,630.00	--	900.00	14.00	--	--	0.08	0.09
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-21	--	18	--	--	--	0	-9
80% confidence	Negative Trend	--	Positive Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.336	--	0.016	--	--	--	0.0000	0.0000
B3-U								
Mean	694.08	--	655.83	0.51	--	--	0.08	0.010
UCL	708.89	--	669.54	--	--	--	0.08	0.010
Median	697.00	--	665.00	0.51	--	--	0.08	0.010
Standard Deviation	28.56	--	26.44	--	--	--	0.00	0.000000000000000018
Coefficient of Variation	0.04	--	0.04	--	--	--	0.00	0.000000000000000019
Skewness	-1.14	--	-0.73	--	--	--	--	1.15
Minimum	626.00	--	600.00	0.51	--	--	0.08	0.010
Maximum	730.00	--	700.00	0.51	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	0	--	-5	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.0009	--	0.0000	--	--	--	0.0000	0.0000
B4-K								
Mean	3,645.00	--	782.50	1.98	--	--	0.08	0.010
UCL	3,753.72	--	801.79	--	--	--	0.08	0.010
Median	3,665.00	--	780.00	1.98	--	--	0.08	0.009
Standard Deviation	209.70	--	37.20	--	--	--	0.00	0.00016
Coefficient of Variation	0.06	--	0.05	--	--	--	0.00	0.02
Skewness	-0.23	--	-0.07	--	--	--	--	3.46
Minimum	3,230.00	--	720.00	1.98	--	--	0.08	0.009
Maximum	4,010.00	--	840.00	1.98	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-8	--	26	--	--	--	0	-3
80% confidence	No Trend	--	Positive Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	Positive Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	Positive Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.170	--	0.059	--	--	--	0.0000	0.0000
B4-O								
Mean	3,285.83	--	1,075.00	0.88	--	--	0.08	0.02
UCL	3,623.48	--	1,098.45	--	--	--	0.08	0.03
Median	3,475.00	--	1,100.00	0.88	--	--	0.08	0.01
Standard Deviation	651.24	--	45.23	--	--	--	0.00	0.02
Coefficient of Variation	0.20	--	0.04	--	--	--	0.00	1.06
Skewness	-2.85	--	-1.33	--	--	--	--	2.98
Minimum	1,330.00	--	1,000.00	0.88	--	--	0.08	0.010
Maximum	3,710.00	--	1,100.00	0.88	--	--	0.08	0.09
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-34	--	-3	--	--	--	0	-5
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.490	--	0.0000	--	--	--	0.0000	0.0000
B4-U								
Mean	1,405.83	--	681.67	0.79	--	--	0.08	0.01
UCL	1,439.68	--	696.14	--	--	--	0.08	0.02
Median	1,390.00	--	690.00	0.79	--	--	0.08	0.009
Standard Deviation	65.29	--	27.91	--	--	--	0.00	0.01
Coefficient of Variation	0.05	--	0.04	--	--	--	0.00	1.07
Skewness	0.87	--	-1.23	--	--	--	--	3.46
Minimum	1,330.00	--	620.00	0.79	--	--	0.08	0.009
Maximum	1,520.00	--	710.00	0.79	--	--	0.08	0.06
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-2	--	-4	--	--	--	0	-3
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.005	--	0.0000	--	--	--	0.0000	0.0000
B5-K								
Mean	791.83	--	752.50	0.28	--	--	0.08	0.010
UCL	808.08	--	769.64	--	--	--	0.08	0.010
Median	798.50	--	760.00	0.28	--	--	0.08	0.010
Standard Deviation	31.34	--	33.06	--	--	--	0.007	0.000000000000000018
Coefficient of Variation	0.04	--	0.04	--	--	--	0.09	0.000000000000000019
Skewness	-0.56	--	-0.35	--	--	--	3.46	1.15
Minimum	740.00	--	700.00	0.28	--	--	0.08	0.010
Maximum	829.00	--	800.00	0.28	--	--	0.10	0.010
Count (n)	12	--	12	1	--	--	12	12

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Mann-Kendall S	-45	-11	23	-11	30	-22	-11	-11	3	-30
80% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
99% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0005	0.0000	0.0000	0.0000	0.069	0.0000	0.0000	0.0000	0.0000	-0.004
B5-O										
Mean	9.65	0.005	0.17	0.0019	1,064.55	0.19	0.00030	11.72	18.36	44.91
UCL	21.45	0.005	0.36	0.003	1,117.70	0.20	0.0006	19.43	23.29	47.49
Median	0.60	0.005	0.03	0.0010	1,100.00	0.19	0.00007	8.00	18.00	47.00
Standard Deviation	21.59	0.0004	0.34	0.0027	97.30	0.02	0.0006	14.02	9.03	4.72
Coefficient of Variation	2.24	0.09	1.99	1.46	0.09	0.12	1.95	1.19	0.49	0.11
Skewness	2.90	-0.37	3.05	3.29	-0.12	0.61	3.11	3.16	-0.0025	-0.81
Minimum	0.10	0.004	0.03	0.0010	930.00	0.16	0.00007	4.00	1.00	36.00
Maximum	72.20	0.006	1.18	0.01	1,200.00	0.23	0.0020	53.50	36.00	50.00
Count (n)	11	11	11	11	11	11	11	11	11	11
Mann-Kendall S	-1	7	-2	-3	32	8	-3	13	5	32
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.207	0.0000	0.0000	0.003	0.005	0.004
B5-U										
Mean	0.10	0.0025	0.07	0.0010	625.00	0.17	0.00007	2.00	33.42	25.67
UCL	0.14	0.0026	0.07	0.0010	636.59	0.17	0.00007	2.00	37.63	26.66
Median	0.08	0.0025	0.07	0.0009	630.00	0.17	0.00007	2.00	36.00	26.00
Standard Deviation	0.08	0.00016	0.0028	0.000016	22.36	0.009	0.000004	0.00	8.12	1.92
Coefficient of Variation	0.81	0.06	0.04	0.02	0.04	0.05	0.06	0.00	0.24	0.07
Skewness	3.46	3.46	-0.01	3.46	-2.58	-0.14	3.46	--	-0.98	0.11
Minimum	0.08	0.0025	0.07	0.0009	560.00	0.15	0.00007	2.00	15.00	23.00
Maximum	0.35	0.0030	0.08	0.0010	640.00	0.18	0.00008	2.00	46.00	29.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	-11	23	-11	16	-5	-11	0	6	30
80% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend
90% confidence	Negative Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.001	0.004
B6-K										
Mean	0.10	0.0025	0.10	0.0010	969.42	0.13	0.00007	2.88	34.58	7.25
UCL	0.11	0.0025	0.11	0.0010	990.45	0.14	0.00007	3.10	40.84	7.80
Median	0.11	0.0025	0.10	0.0010	985.00	0.14	0.00007	3.00	33.50	7.00
Standard Deviation	0.03	0.0000000000000000005	0.007	0.00000000000000000011	40.57	0.009	0.00000000000000000014	0.43	12.07	1.06
Coefficient of Variation	0.28	0.00000000000000018	0.06	0.00000000000000012	0.04	0.07	0.00000000000000021	0.15	0.35	0.15
Skewness	-3.46	1.15	1.92	1.15	-2.18	-1.95	1.15	-1.45	0.39	-0.59
Minimum	0.01	0.0025	0.10	0.0010	860.00	0.11	0.00007	2.00	12.00	5.00
Maximum	0.11	0.0025	0.12	0.0010	1,000.00	0.14	0.00007	3.50	61.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	0	19	0	12	-7	0	-1	5	6
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.016	0.0000	0.0000	0.0000	0.002	0.0000
B6-O										
Mean	1.03	0.0030	0.04	0.0010	1,455.00	0.23	0.00010	28.83	50.83	14.50
UCL	2.45	0.004	0.08	0.0010	1,528.20	0.24	0.00010	31.85	82.70	15.70
Median	0.28	0.0030	0.02	0.0010	1,500.00	0.24	0.00010	27.50	32.00	14.50
Standard Deviation	2.73	0.0022	0.08	0.00	141.20	0.01	0.00	5.81	61.47	2.32
Coefficient of Variation	2.65	0.73	1.93	0.00	0.10	0.06	0.00	0.20	1.21	0.16
Skewness	3.45	2.43	3.45	--	-1.59	-0.31	--	2.34	3.10	0.00
Minimum	0.10	0.0010	0.01	0.0010	1,100.00	0.21	0.00010	25.00	10.00	11.00
Maximum	9.70	0.010	0.28	0.0010	1,600.00	0.25	0.00010	45.00	240.00	18.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-1	-35	-47	0	-8	-7	0	3	14	2
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.015	0.0000
B6-U										
Mean	0.66	0.0025	0.03	0.0010	587.42	0.12	0.00007	1.75	31.92	10.42
UCL	1.13	0.0025	0.04	0.0010	598.52	0.13	0.00007	2.07	35.48	10.88
Median	0.30	0.0025	0.02	0.0010	590.00	0.13	0.00007	2.00	32.00	10.50
Standard Deviation	0.91	0.0000000000000000005	0.03	0.00000000000000000011	21.41	0.007	0.00000000000000000014	0.62	6.87	0.90
Coefficient of Variation	1.38	0.00000000000000018	0.90	0.00000000000000012	0.04	0.05	0.00000000000000021	0.36	0.22	0.09
Skewness	2.46	1.15	3.41	1.15	-1.87	-0.74	1.15	0.17	-1.16	-0.15
Minimum	0.10	0.0025	0.02	0.0010	530.00	0.11	0.00007	1.00	15.00	9.00
Maximum	3.20	0.0025	0.12	0.0010	610.00	0.13	0.00007	3.00	42.00	12.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	9	0	3	0	14	1	0	-19	9	-3
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0001	0.0000	0.0000	0.0000	0.007	0.0000	0.0000	0.0000	0.002	0.0000
B7-KL										

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Mann-Kendall S	-17	-5	-35	0	-52	-11	-11	-59	-11	0
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
95% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0004	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B5-O										
Mean	0.02	0.03	3.83	1.60	12.97	0.01	6.50	0.44	0.00004	0.009
UCL	0.04	0.06	4.03	1.60	29.82	0.03	11.67	0.90	0.00005	0.01
Median	0.0010	0.0010	4.00	1.60	0.25	0.0005	3.00	0.14	0.00005	0.005
Standard Deviation	0.04	0.05	0.36	0.00000000000000023	30.86	0.03	9.46	0.84	0.0000025	0.008
Coefficient of Variation	2.23	2.15	0.09	0.00000000000000015	2.38	2.30	1.46	1.91	0.05	0.89
Skewness	2.95	2.99	-1.15	1.19	2.98	2.96	3.11	3.19	-0.60	2.08
Minimum	0.0010	0.0010	3.10	1.60	0.07	0.0005	2.00	0.08	0.00004	0.005
Maximum	0.13	0.19	4.20	1.60	103.12	0.09	34.50	2.94	0.00005	0.03
Count (n)	11	11	11	10	11	11	11	11	11	11
Mann-Kendall S	-8	-8	-10	0	-5	-4	8	-13	-17	-27
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
Sen Slope	0.0000	0.0000	-0.0003	0.0000	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000
B5-U										
Mean	0.0010	0.0010	1.98	1.55	0.05	0.0005	1.00	0.009	0.00004	0.005
UCL	0.0010	0.0010	2.02	1.55	0.07	0.0005	1.00	0.009	0.00004	0.005
Median	0.0010	0.0010	2.00	1.55	0.04	0.0004	1.00	0.009	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.09	0.00	0.04	0.000030	0.00	0.0013	0.000004	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.04	0.00	0.72	0.07	0.00	0.14	0.09	0.00000000000000000018
Skewness	-1.15	-1.15	-0.44	--	3.24	3.46	--	0.05	3.46	1.15
Minimum	0.0010	0.0010	1.80	1.55	0.02	0.0004	1.00	0.007	0.00004	0.005
Maximum	0.0010	0.0010	2.10	1.55	0.17	0.0006	1.00	0.01	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	-7	0	-17	-11	0	38	-11	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B6-K										
Mean	0.0013	0.0011	0.94	1.82	0.07	0.0005	1.00	0.006	0.00004	0.005
UCL	0.0017	0.0011	0.98	1.82	0.13	0.0005	1.00	0.008	0.00004	0.005
Median	0.0010	0.0011	0.95	1.82	0.05	0.0005	1.00	0.005	0.00004	0.005
Standard Deviation	0.0009	0.00	0.07	0.00	0.10	0.00000000000000000017	0.00	0.004	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.69	0.00	0.07	0.00	1.37	0.0000000000000004	0.00	0.64	0.00000000000000018	0.00000000000000018
Skewness	3.46	--	-0.74	--	3.34	-1.15	--	3.43	1.15	1.15
Minimum	0.0010	0.0011	0.80	1.82	0.02	0.0005	1.00	0.005	0.00004	0.005
Maximum	0.004	0.0011	1.00	1.82	0.39	0.0005	1.00	0.02	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	1	0	1	0	-34	0	0	-21	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B6-O										
Mean	0.005	0.008	1.30	1.82	2.47	0.0018	15.08	0.15	0.00004	0.005
UCL	0.01	0.02	1.33	1.82	6.68	0.0022	17.03	0.26	0.00004	0.005
Median	0.0020	0.0025	1.30	1.82	0.14	0.0021	13.50	0.07	0.00004	0.005
Standard Deviation	0.01	0.02	0.06	0.00	8.12	0.0006	3.75	0.21	0.00000000000000000007	0.00014
Coefficient of Variation	2.28	2.07	0.05	0.00	3.28	0.34	0.25	1.38	0.00000000000000017	0.03
Skewness	3.45	3.32	-0.000000000000007	--	3.46	-2.08	1.93	3.16	-1.15	3.46
Minimum	0.0010	0.0010	1.20	1.82	0.05	0.0004	13.00	0.05	0.00004	0.005
Maximum	0.04	0.06	1.40	1.82	28.26	0.0021	23.00	0.81	0.00004	0.006
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-13	-9	-12	0	-8	-1	5	-58	0	-11
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000
B6-U										
Mean	0.0010	0.0011	1.99	1.82	0.27	0.0009	1.04	0.008	0.00004	0.005
UCL	0.0010	0.0011	2.07	1.82	0.52	0.0011	1.04	0.008	0.00004	0.005
Median	0.0010	0.0011	2.00	1.82	0.12	0.0010	1.04	0.008	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.14	0.00	0.48	0.0004	0.00000000000000023	0.0016	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.00000000000000023	0.00000000000000020	0.07	0.00	1.77	0.39	0.00000000000000022	0.21	0.00000000000000018	0.00000000000000018
Skewness	-1.15	1.15	-0.48	--	3.25	0.48	1.15	-0.65	1.15	1.15
Minimum	0.0010	0.0011	1.70	1.82	0.05	0.00030	1.04	0.005	0.00004	0.005
Maximum	0.0010	0.0011	2.20	1.82	1.78	0.0018	1.04	0.009	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	-10	0	-6	-10	0	-13	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B7-KL										

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Mann-Kendall S	-11	0	-10	--	-11	23	0	26	19	0	--
80% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	0.087	0.0000	0.019	0.002	0.0000	--
B5-O											
Mean	0.02	0.30	7.95	0.96	6.64	2,392.73	0.0015	571.73	44.66	351.82	--
UCL	0.04	0.57	8.10	--	11.18	2,464.17	0.0022	587.00	47.64	365.38	--
Median	0.01	0.07	7.90	0.96	3.00	2,400.00	0.0010	574.00	45.40	350.00	--
Standard Deviation	0.04	0.49	0.28	--	8.32	130.77	0.0012	27.95	5.45	24.83	--
Coefficient of Variation	1.56	1.66	0.03	--	1.25	0.05	0.79	0.05	0.12	0.07	--
Skewness	3.11	2.29	0.32	--	3.00	-1.27	2.74	-0.36	-0.78	-0.16	--
Minimum	0.004	0.01	7.60	0.96	3.00	2,100.00	0.0010	527.00	33.40	310.00	--
Maximum	0.13	1.62	8.40	0.96	31.00	2,560.00	0.005	612.00	53.00	390.00	--
Count (n)	11	11	11	1	11	11	11	11	11	11	--
Mann-Kendall S	-10	17	-25	--	-9	25	-14	37	-15	21	--
80% confidence	No Trend	Positive Trend	Negative Trend	--	No Trend	Positive Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	Negative Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0001	-0.0006	--	0.0000	0.192	0.0000	0.064	-0.007	0.040	--
B5-U											
Mean	0.008	0.01	8.54	0.11	1.17	1,065.83	0.0010	264.33	45.65	1.58	--
UCL	0.008	0.01	8.64	--	1.37	1,080.24	0.0010	268.24	46.49	1.58	--
Median	0.008	0.01	8.60	0.11	1.00	1,075.00	0.0010	262.50	45.45	1.58	--
Standard Deviation	0.0006	0.000000000000000018	0.18	--	0.39	27.78	0.000000000000000023	7.54	1.63	0.000000000000000023	--
Coefficient of Variation	0.08	0.000000000000000018	0.02	--	0.33	0.03	0.000000000000000023	0.03	0.04	0.000000000000000015	--
Skewness	3.46	1.15	-1.17	--	2.06	-1.01	-1.15	0.64	0.63	-1.15	--
Minimum	0.008	0.01	8.10	0.11	1.00	1,010.00	0.0010	254.00	43.30	1.58	--
Maximum	0.01	0.01	8.80	0.11	2.00	1,100.00	0.0010	278.00	49.10	1.58	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	0	-3	--	18	7	0	30	42	0	--
80% confidence	Negative Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.007	0.0000	0.010	0.003	0.0000	--
B6-K											
Mean	0.008	0.02	8.23	0.15	2.00	1,468.33	0.0010	381.00	50.22	16.92	--
UCL	0.008	0.03	8.34	--	2.00	1,502.21	0.0010	385.83	51.40	22.47	--
Median	0.008	0.01	8.20	0.15	2.00	1,500.00	0.0010	379.50	50.70	18.50	--
Standard Deviation	0.000000000000000018	0.03	0.20	--	0.00	65.34	0.000000000000000023	9.32	2.28	10.71	--
Coefficient of Variation	0.000000000000000023	1.57	0.02	--	0.00	0.04	0.000000000000000023	0.02	0.05	0.63	--
Skewness	-1.15	3.46	-0.22	--	--	-1.44	-1.15	-0.04	-1.16	0.21	--
Minimum	0.008	0.01	7.80	0.15	2.00	1,340.00	0.0010	366.00	44.70	4.00	--
Maximum	0.008	0.11	8.60	0.15	2.00	1,520.00	0.0010	395.00	53.60	34.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	3	-8	--	0	37	0	25	-9	30	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.114	0.0000	0.015	-0.0008	0.022	--
B6-O											
Mean	0.01	0.02	8.03	1.64	6.92	5,181.67	0.0013	1,253.75	48.73	1,617.50	--
UCL	0.02	0.02	8.17	--	7.63	5,340.94	0.0017	1,283.96	50.57	1,661.83	--
Median	0.009	0.01	8.10	1.64	7.00	5,290.00	0.0010	1,252.50	49.60	1,600.00	--
Standard Deviation	0.010	0.01	0.27	--	1.38	307.21	0.0009	58.28	3.56	85.51	--
Coefficient of Variation	0.89	0.60	0.03	--	0.20	0.06	0.69	0.05	0.07	0.05	--
Skewness	3.04	1.15	-1.93	--	2.67	-1.43	3.46	0.66	-2.18	0.87	--
Minimum	0.0020	0.01	7.30	1.64	6.00	4,550.00	0.0010	1,170.00	38.70	1,500.00	--
Maximum	0.04	0.04	8.40	1.64	11.00	5,500.00	0.004	1,380.00	53.50	1,810.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-28	-7	-14	--	-19	23	-7	2	1	19	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	0.0000	0.459	0.0000	0.0000	0.0000	0.0000	--
B6-U											
Mean	0.008	0.01	8.35	0.25	1.04	953.00	0.0010	239.92	44.63	1.00	--
UCL	0.008	0.02	8.81	--	1.09	970.96	0.0010	242.41	45.36	1.00	--
Median	0.008	0.01	8.60	0.25	1.00	965.00	0.0010	240.00	44.60	1.00	--
Standard Deviation	0.000000000000000018	0.006	0.88	--	0.10	34.64	0.000000000000000023	4.81	1.42	0.00	--
Coefficient of Variation	0.000000000000000023	0.50	0.11	--	0.09	0.04	0.000000000000000023	0.02	0.03	0.00	--
Skewness	-1.15	2.56	-3.29	--	2.06	-2.15	-1.15	0.27	0.14	--	--
Minimum	0.008	0.01	5.60	0.25	1.00	864.00	0.0010	233.00	41.90	1.00	--
Maximum	0.008	0.03	8.80	0.25	1.25	977.00	0.0010	248.00	47.50	1.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	21	4	--	-20	26	0	17	16	0	--
80% confidence	No Trend	Positive Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	No Trend	--
90% confidence	No Trend	Positive Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	Positive Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.020	0.0000	0.005	0.001	0.0000	--
B7-KL											

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Mann-Kendall S	19	--	23	--	--	--	-11	0
80% confidence	Positive Trend	--	Positive Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	Positive Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.035	--	0.047	--	--	--	0.0000	0.0000
B5-O								
Mean	1,628.18	--	897.27	1.76	--	--	0.10	0.07
UCL	1,742.99	--	935.13	--	--	--	0.12	0.15
Median	1,660.00	--	920.00	1.76	--	--	0.09	0.010
Standard Deviation	210.13	--	69.30	--	--	--	0.04	0.14
Coefficient of Variation	0.13	--	0.08	--	--	--	0.40	1.89
Skewness	0.08	--	-0.51	--	--	--	2.20	2.88
Minimum	1,310.00	--	790.00	1.76	--	--	0.04	0.010
Maximum	2,030.00	--	980.00	1.76	--	--	0.20	0.47
Count (n)	11	--	11	1	--	--	11	11
Mann-Kendall S	-10	--	36	--	--	--	-17	-4
80% confidence	No Trend	--	Positive Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	Positive Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	Positive Trend	--	--	--	Negative Trend	No Trend
99% confidence	No Trend	--	Positive Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.124	--	0.153	--	--	--	0.0000	0.0000
B5-U								
Mean	623.17	--	568.33	0.38	--	--	0.08	0.010
UCL	634.08	--	577.93	--	--	--	0.08	0.010
Median	628.50	--	570.00	0.38	--	--	0.08	0.009
Standard Deviation	21.06	--	18.50	--	--	--	0.007	0.00016
Coefficient of Variation	0.03	--	0.03	--	--	--	0.09	0.02
Skewness	-1.08	--	-1.78	--	--	--	3.46	3.46
Minimum	574.00	--	520.00	0.38	--	--	0.08	0.009
Maximum	650.00	--	590.00	0.38	--	--	0.10	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	4	--	10	--	--	--	-11	-11
80% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.002	--	0.0000	--	--	--	0.0000	0.0000
B6-K								
Mean	898.33	--	851.67	0.76	--	--	0.08	0.010
UCL	931.53	--	865.26	--	--	--	0.08	0.010
Median	910.00	--	855.00	0.76	--	--	0.08	0.010
Standard Deviation	64.02	--	26.23	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.07	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	-2.11	--	-2.03	--	--	--	--	1.15
Minimum	721.00	--	780.00	0.76	--	--	0.08	0.010
Maximum	964.00	--	880.00	0.76	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	19	--	16	--	--	--	0	0
80% confidence	Positive Trend	--	Positive Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.057	--	0.019	--	--	--	0.0000	0.0000
B6-O								
Mean	3,528.33	--	1,290.83	2.10	--	--	0.08	0.03
UCL	3,869.34	--	1,305.74	--	--	--	0.08	0.05
Median	3,635.00	--	1,300.00	2.10	--	--	0.08	0.03
Standard Deviation	657.72	--	28.75	--	--	--	0.00	0.03
Coefficient of Variation	0.19	--	0.02	--	--	--	0.00	1.02
Skewness	-2.73	--	-3.41	--	--	--	--	3.32
Minimum	1,570.00	--	1,200.00	2.10	--	--	0.08	0.009
Maximum	4,140.00	--	1,300.00	2.10	--	--	0.08	0.14
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	12	--	3	--	--	--	0	-12
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.299	--	0.0000	--	--	--	0.0000	0.0000
B6-U								
Mean	577.00	--	535.58	0.46	--	--	0.08	0.010
UCL	604.52	--	544.96	--	--	--	0.08	0.010
Median	594.00	--	540.00	0.46	--	--	0.08	0.009
Standard Deviation	53.08	--	18.08	--	--	--	0.00	0.00016
Coefficient of Variation	0.09	--	0.03	--	--	--	0.00	0.02
Skewness	-1.23	--	-1.49	--	--	--	--	3.46
Minimum	450.00	--	490.00	0.46	--	--	0.08	0.009
Maximum	654.00	--	560.00	0.46	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-24	--	10	--	--	--	0	-11
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	Negative Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.044	--	0.0000	--	--	--	0.0000	0.0000
B7-KL								

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Mean	0.47	0.0025	0.01	0.0010	375.42	0.10	0.00007	3.25	16.33	7.67
UCL	0.89	0.0025	0.02	0.0010	385.15	0.10	0.00007	3.48	19.12	8.22
Median	0.23	0.0025	0.01	0.0010	380.00	0.10	0.00007	3.00	18.00	7.00
Standard Deviation	0.82	0.0000000000000000005	0.004	0.00000000000000000011	18.76	0.007	0.00000000000000000014	0.45	5.38	1.07
Coefficient of Variation	1.74	0.00000000000000018	0.31	0.00000000000000012	0.05	0.07	0.00000000000000021	0.14	0.33	0.14
Skewness	3.41	1.15	2.73	1.15	-0.87	-0.07	1.15	1.33	-0.96	0.27
Minimum	0.10	0.0025	0.01	0.0010	330.00	0.09	0.00007	3.00	5.00	6.00
Maximum	3.06	0.0025	0.03	0.0010	410.00	0.11	0.00007	4.00	23.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	9	0	-2	0	-11	7	0	-25	-4	17
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.005	0.0000	0.0000	0.0000	-0.001	0.0000
B7-KU										
Mean	1.08	0.0025	0.17	0.0010	968.33	0.12	0.00008	5.67	35.08	11.33
UCL	2.64	0.0025	0.38	0.0010	991.61	0.13	0.00008	8.40	40.90	11.93
Median	0.15	0.0025	0.06	0.0010	970.00	0.12	0.00008	4.00	33.50	11.50
Standard Deviation	3.00	0.0000000000000000005	0.41	0.00	44.89	0.02	0.00	5.26	11.21	1.15
Coefficient of Variation	2.78	0.00000000000000018	2.36	0.00	0.05	0.14	0.00	0.93	0.32	0.10
Skewness	3.44	-1.15	3.46	--	-1.37	2.04	--	3.20	-0.09	0.06
Minimum	0.02	0.0025	0.04	0.0010	860.00	0.10	0.00008	3.00	15.00	10.00
Maximum	10.60	0.0025	1.46	0.0010	1,030.00	0.17	0.00008	22.00	52.00	13.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-31	0	34	0	-27	-6	0	-50	-9	0
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	-0.0005	0.0000	0.0000	0.0000	-0.048	0.0000	0.0000	-0.003	-0.007	0.0000
B7-D										
Mean	0.17	0.0025	0.02	0.0010	1,055.00	0.16	0.00007	21.75	20.58	11.42
UCL	0.24	0.0025	0.02	0.0010	1,086.85	0.17	0.00007	22.58	27.15	12.34
Median	0.10	0.0025	0.01	0.0010	1,100.00	0.16	0.00007	21.50	18.00	12.00
Standard Deviation	0.13	0.0000000000000000005	0.004	0.00000000000000000011	61.42	0.01	0.00000000000000000014	1.60	12.67	1.78
Coefficient of Variation	0.76	0.00000000000000018	0.29	0.00000000000000012	0.06	0.08	0.00000000000000021	0.07	0.62	0.16
Skewness	0.70	1.15	2.80	1.15	-0.97	1.04	1.15	1.76	0.10	-0.30
Minimum	0.01	0.0025	0.01	0.0010	930.00	0.15	0.00007	20.00	1.00	9.00
Maximum	0.40	0.0025	0.03	0.0010	1,100.00	0.19	0.00007	26.00	39.00	14.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-41	0	-42	0	-2	-13	0	-25	-9	13
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.002	-0.009	0.001
B7-U										
Mean	0.22	0.0029	0.06	0.0010	596.92	0.11	0.00007	3.29	30.50	10.17
UCL	0.33	0.004	0.07	0.0010	664.08	0.12	0.00007	5.95	35.77	10.82
Median	0.16	0.0024	0.06	0.0010	560.00	0.10	0.00007	2.00	34.50	10.00
Standard Deviation	0.22	0.0015	0.02	0.00000000000000000011	129.54	0.02	0.00000000000000000014	5.14	10.17	1.27
Coefficient of Variation	0.99	0.51	0.33	0.00000000000000012	0.22	0.20	0.00000000000000021	1.56	0.33	0.12
Skewness	2.24	3.38	0.61	1.15	2.75	2.45	1.15	3.39	-1.81	-0.05
Minimum	0.05	0.0024	0.03	0.0010	490.00	0.09	0.00007	1.00	4.00	8.00
Maximum	0.80	0.008	0.11	0.0010	980.00	0.17	0.00007	19.50	40.00	12.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-26	-21	23	0	-32	-3	0	-12	12	2
80% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	0.0000	0.0000	-0.124	0.0000	0.0000	0.0000	0.006	0.0000
B8-KL										
Mean	0.08	0.0025	0.02	0.0010	562.83	0.12	0.00007	5.58	24.25	17.42
UCL	0.08	0.0025	0.03	0.0010	577.88	0.12	0.00007	6.84	26.55	19.75
Median	0.08	0.0025	0.02	0.0010	575.00	0.12	0.00007	5.00	25.50	18.00
Standard Deviation	0.00000000000000000014	0.0000000000000000005	0.005	0.00000000000000000011	29.01	0.007	0.00000000000000000014	2.43	4.43	4.50
Coefficient of Variation	0.00000000000000019	0.00000000000000018	0.21	0.00000000000000012	0.05	0.06	0.00000000000000021	0.44	0.18	0.26
Skewness	-1.15	1.15	2.67	1.15	-1.20	-0.09	1.15	3.01	-0.48	-0.27
Minimum	0.08	0.0025	0.02	0.0010	500.00	0.11	0.00007	4.00	17.00	10.00
Maximum	0.08	0.0025	0.04	0.0010	594.00	0.13	0.00007	13.00	30.00	24.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	-23	0	3	7	0	-5	6	59
80% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.002	0.013
B8-KU										
Mean	0.08	0.0025	0.01	0.0010	726.25	0.39	0.00007	162.33	1.75	8.83
UCL	0.08	0.0025	0.01	0.0010	744.04	0.40	0.00007	166.75	1.75	9.91
Median	0.08	0.0025	0.01	0.0010	737.50	0.39	0.00007	162.50	1.75	9.00
Standard Deviation	0.00000000000000000014	0.0000000000000000005	0.0010	0.00000000000000000011	34.32	0.02	0.00000000000000000014	8.51	0.00	2.08
Coefficient of Variation	0.00000000000000019	0.00000000000000018	0.07	0.00000000000000012	0.05	0.06	0.00000000000000021	0.05	0.00	0.24
Skewness	-1.15	1.15	-0.57	1.15	-0.54	-0.31	1.15	0.65	--	-0.24
Minimum	0.08	0.0025	0.01	0.0010	660.00	0.35	0.00007	151.00	1.75	5.00

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Mean	0.0010	0.0010	0.97	1.55	0.16	0.0005	1.00	0.010	0.00004	0.005
UCL	0.0010	0.0010	0.99	1.55	0.29	0.0005	1.00	0.01	0.00004	0.005
Median	0.0010	0.0010	1.00	1.55	0.09	0.0005	1.00	0.009	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.05	0.00	0.24	0.00004	0.00	0.003	0.00	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.0000000000000000023	0.05	0.00	1.46	0.08	0.00	0.36	0.00	0.0000000000000000018
Skewness	-1.15	-1.15	-0.81	--	3.22	3.46	--	2.42	--	1.15
Minimum	0.0010	0.0010	0.90	1.55	0.04	0.0005	1.00	0.006	0.00004	0.005
Maximum	0.0010	0.0010	1.00	1.55	0.90	0.0006	1.00	0.02	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	0	0	-7	7	0	-11	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B7-KU										
Mean	0.0014	0.0016	2.09	1.55	0.51	0.0019	1.71	0.02	0.00004	0.005
UCL	0.0015	0.0016	2.24	1.55	1.23	0.004	2.83	0.03	0.00004	0.005
Median	0.0014	0.0016	2.15	1.55	0.10	0.0004	1.00	0.01	0.00004	0.005
Standard Deviation	0.00018	0.0000000000000000005	0.29	0.00	1.38	0.005	2.16	0.02	0.00	0.0000000000000000009
Coefficient of Variation	0.13	0.00000000000000028	0.14	0.00	2.72	2.57	1.26	0.85	0.00	0.0000000000000000018
Skewness	3.46	-1.15	-1.86	--	3.45	3.46	3.36	2.79	--	1.15
Minimum	0.0014	0.0016	1.30	1.55	0.04	0.0004	1.00	0.006	0.00004	0.005
Maximum	0.0020	0.0016	2.40	1.55	4.90	0.02	8.50	0.07	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	1	0	32	0	-24	-10	-21	18	0	0
80% confidence	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0004	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
B7-O										
Mean	0.0011	0.0010	1.36	1.55	0.14	0.0005	9.83	0.06	0.00004	0.005
UCL	0.0012	0.0010	1.99	1.55	0.16	0.0005	10.04	0.08	0.00004	0.005
Median	0.0010	0.0010	1.00	1.55	0.13	0.0005	10.00	0.05	0.00004	0.005
Standard Deviation	0.00029	0.0000000000000000023	1.21	0.00	0.05	0.0000000000000000017	0.39	0.02	0.00	0.0000000000000000009
Coefficient of Variation	0.27	0.0000000000000000023	0.89	0.00	0.39	0.0000000000000004	0.04	0.39	0.00	0.0000000000000000018
Skewness	3.46	-1.15	3.44	--	0.98	-1.15	-2.06	1.51	--	1.15
Minimum	0.0010	0.0010	0.90	1.55	0.05	0.0005	9.00	0.04	0.00004	0.005
Maximum	0.0020	0.0010	5.20	1.55	0.27	0.0005	10.00	0.12	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	1	0	-7	0	-12	0	-14	-56	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000
B7-U										
Mean	0.0011	0.0010	1.98	1.55	0.10	0.0005	1.38	0.04	0.00004	0.006
UCL	0.0012	0.0010	2.40	1.55	0.14	0.0005	2.05	0.08	0.00004	0.007
Median	0.0010	0.0010	1.90	1.55	0.05	0.0005	1.00	0.02	0.00004	0.005
Standard Deviation	0.00029	0.0000000000000000023	0.81	0.00	0.09	0.0000000000000000011	1.30	0.08	0.00	0.0027
Coefficient of Variation	0.27	0.00000000000000023	0.41	0.00	0.91	0.00000000000000025	0.94	2.04	0.00	0.46
Skewness	3.46	-1.15	2.70	--	1.49	-1.15	3.46	3.45	--	3.40
Minimum	0.0010	0.0010	1.00	1.55	0.03	0.0005	1.00	0.01	0.00004	0.005
Maximum	0.0020	0.0010	4.40	1.55	0.28	0.0005	5.50	0.31	0.00004	0.01
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	-7	0	2	0	-51	0	-11	-26	0	-21
80% confidence	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B8-KL										
Mean	0.0010	0.0011	1.19	1.82	0.05	0.0005	2.54	0.01	0.00004	0.005
UCL	0.0010	0.0011	1.26	1.82	0.06	0.0005	3.36	0.01	0.00004	0.005
Median	0.0010	0.0011	1.20	1.82	0.05	0.0005	2.00	0.01	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.00	0.13	0.00	0.006	0.0000000000000000006	1.59	0.004	0.00	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.00	0.11	0.00	0.12	0.0000000000000000013	0.62	0.34	0.00	0.0000000000000000018
Skewness	-1.15	--	-1.27	--	1.97	1.15	3.28	0.96	--	1.15
Minimum	0.0010	0.0011	0.90	1.82	0.05	0.0005	2.00	0.007	0.00004	0.005
Maximum	0.0010	0.0011	1.30	1.82	0.07	0.0005	7.50	0.02	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	20	0	7	0	-21	-14	0	0
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B8-KU										
Mean	0.0010	0.0010	0.25	1.82	1.31	0.0005	159.67	0.09	0.00004	0.005
UCL	0.0010	0.0010	0.28	1.82	1.36	0.0005	163.12	0.09	0.00004	0.005
Median	0.0010	0.0010	0.25	1.82	1.33	0.0005	159.00	0.09	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.05	0.00	0.09	0.0000000000000000006	6.67	0.007	0.00	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.0000000000000000023	0.21	0.00	0.07	0.0000000000000000013	0.04	0.08	0.00	0.0000000000000000018
Skewness	-1.15	-1.15	0.0000000000000020	--	-1.29	1.15	0.46	2.10	--	1.15
Minimum	0.0010	0.0010	0.20	1.82	1.09	0.0005	150.00	0.08	0.00004	0.005

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Mean	0.008	0.01	8.53	0.07	2.00	1,483.25	0.0010	343.13	43.79	425.92	--
UCL	0.008	0.01	8.58	--	2.00	1,564.78	0.0010	349.13	44.77	434.04	--
Median	0.008	0.01	8.50	0.07	2.00	1,520.00	0.0010	340.00	43.90	430.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.10	--	0.00	157.26	0.0000000000000000023	11.59	1.89	15.67	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.01	--	0.00	0.11	0.0000000000000000023	0.03	0.04	0.04	--
Skewness	-1.15	1.15	0.14	--	--	-3.11	-1.15	1.20	0.10	-0.88	--
Minimum	0.008	0.01	8.40	0.07	2.00	999.00	0.0010	328.00	40.40	390.00	--
Maximum	0.008	0.01	8.70	0.07	2.00	1,580.00	0.0010	367.50	47.60	450.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	5	--	0	-17	0	-36	2	13	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	-0.051	0.0000	-0.024	0.0001	0.011	--
B7-KU											
Mean	0.008	0.01	8.34	0.39	2.54	1,867.50	0.0010	467.88	48.31	183.50	--
UCL	0.008	0.01	8.40	--	3.22	2,130.01	0.0010	536.68	49.34	319.16	--
Median	0.008	0.01	8.30	0.39	2.00	1,685.00	0.0010	421.00	47.90	88.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.11	--	1.30	506.33	0.0000000000000000023	132.72	1.98	261.65	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.01	--	0.51	0.27	0.0000000000000000023	0.28	0.04	1.43	--
Skewness	-1.15	1.15	1.03	--	2.98	3.00	-1.15	2.99	0.22	3.27	--
Minimum	0.008	0.01	8.20	0.39	2.00	1,570.00	0.0010	387.00	44.40	70.00	--
Maximum	0.008	0.01	8.60	0.39	6.50	3,410.00	0.0010	871.50	52.40	1,000.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	17	--	-29	-56	0	-56	16	-59	--
80% confidence	No Trend	No Trend	Positive Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	-0.459	0.0000	-0.135	0.0009	-0.122	--
B7-O											
Mean	0.008	0.01	8.18	0.04	6.08	4,862.50	0.0010	1,160.00	51.66	1,721.67	--
UCL	0.008	0.01	8.26	--	6.23	4,954.98	0.0010	1,183.08	53.00	1,778.02	--
Median	0.008	0.01	8.15	0.04	6.00	4,900.00	0.0010	1,150.00	51.35	1,700.00	--
Standard Deviation	0.0006	0.0000000000000000018	0.14	--	0.29	178.38	0.0000000000000000023	44.52	2.60	108.70	--
Coefficient of Variation	0.08	0.0000000000000000018	0.02	--	0.05	0.04	0.0000000000000000023	0.04	0.05	0.06	--
Skewness	3.46	1.15	1.30	--	3.46	-1.41	-1.15	0.79	0.19	-0.30	--
Minimum	0.008	0.01	8.00	0.04	6.00	4,500.00	0.0010	1,090.00	46.60	1,500.00	--
Maximum	0.01	0.01	8.50	0.04	7.00	5,060.00	0.0010	1,260.00	57.20	1,900.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	1	0	-8	--	-7	10	0	-7	14	18	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.077	0.0000	-0.012	0.002	0.025	--
B7-U											
Mean	0.008	0.01	8.62	0.06	1.25	1,262.50	0.0013	316.42	45.85	144.50	--
UCL	0.008	0.01	8.69	--	1.70	1,759.67	0.0019	442.71	47.56	351.01	--
Median	0.008	0.01	8.60	0.06	1.00	946.50	0.0010	237.50	44.85	12.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.13	--	0.87	958.94	0.0012	243.60	3.30	398.32	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.02	--	0.69	0.76	0.87	0.77	0.07	2.76	--
Skewness	-1.15	1.15	-0.36	--	3.46	3.40	3.46	3.39	1.51	3.38	--
Minimum	0.008	0.01	8.40	0.06	1.00	929.00	0.0010	227.00	42.40	8.00	--
Maximum	0.008	0.01	8.80	0.06	4.00	4,290.00	0.005	1,085.00	53.70	1,400.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	19	--	-11	-46	-7	-31	-54	-34	--
80% confidence	No Trend	No Trend	Positive Trend	--	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0002	--	0.0000	-0.138	0.0000	-0.037	-0.007	-0.039	--
B8-KL											
Mean	0.008	0.01	8.42	0.03	2.08	1,671.67	0.0010	391.67	36.34	374.50	--
UCL	0.008	0.01	8.49	--	2.23	1,742.99	0.0010	412.91	38.13	433.54	--
Median	0.008	0.01	8.40	0.03	2.00	1,645.00	0.0010	380.50	36.90	350.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.14	--	0.29	137.57	0.0000000000000000023	40.98	3.45	113.87	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.02	--	0.14	0.08	0.0000000000000000023	0.10	0.09	0.30	--
Skewness	-1.15	1.15	0.60	--	3.46	1.19	-1.15	2.17	-2.10	2.43	--
Minimum	0.008	0.01	8.20	0.03	2.00	1,500.00	0.0010	340.00	26.80	280.00	--
Maximum	0.008	0.01	8.70	0.03	3.00	1,980.00	0.0010	507.00	40.40	700.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	2	--	-11	14	0	8	7	0	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.100	0.0000	0.004	0.0004	0.0000	--
B8-KU											
Mean	0.008	0.05	7.58	0.04	8.08	3,195.83	0.0010	432.83	5.76	1,392.50	--
UCL	0.008	0.12	7.69	--	8.23	3,307.00	0.0010	442.86	5.90	1,444.68	--
Median	0.008	0.01	7.50	0.04	8.00	3,295.00	0.0010	430.00	5.75	1,400.00	--
Standard Deviation	0.0000000000000000018	0.13	0.21	--	0.29	214.41	0.0000000000000000023	19.34	0.26	100.65	--
Coefficient of Variation	0.0000000000000000023	2.75	0.03	--	0.04	0.07	0.0000000000000000023	0.04	0.05	0.07	--
Skewness	-1.15	3.46	2.51	--	3.46	-1.73	-1.15	1.23	2.17	-0.44	--
Minimum	0.008	0.01	7.40	0.04	8.00	2,710.00	0.0010	401.00	5.50	1,200.00	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Mean	959.17	--	336.50	0.53	--	--	0.08	0.010
UCL	987.44	--	342.94	--	--	--	0.08	0.010
Median	961.50	--	340.00	0.53	--	--	0.08	0.010
Standard Deviation	54.54	--	12.42	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.06	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	-0.22	--	-0.93	--	--	--	--	1.15
Minimum	845.00	--	310.00	0.53	--	--	0.08	0.010
Maximum	1,070.00	--	350.00	0.53	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-23	--	-15	--	--	--	0	0
80% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.056	--	-0.010	--	--	--	0.0000	0.0000
B7-KU								
Mean	1,198.42	--	856.75	0.90	--	--	0.08	0.01
UCL	1,429.31	--	877.21	--	--	--	0.08	0.01
Median	1,050.00	--	855.00	0.90	--	--	0.08	0.01
Standard Deviation	445.34	--	39.47	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.37	--	0.05	--	--	--	0.00	0.00000000000000000016
Skewness	2.98	--	-0.51	--	--	--	--	-1.15
Minimum	913.00	--	780.00	0.90	--	--	0.08	0.01
Maximum	2,550.00	--	900.00	0.90	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-53	--	-30	--	--	--	0	0
80% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
95% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
99% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.318	--	-0.076	--	--	--	0.0000	0.0000
B7-O								
Mean	3,416.67	--	893.75	1.04	--	--	0.08	0.010
UCL	3,507.61	--	909.27	--	--	--	0.08	0.010
Median	3,455.00	--	900.00	1.04	--	--	0.08	0.009
Standard Deviation	175.41	--	29.93	--	--	--	0.00	0.00016
Coefficient of Variation	0.05	--	0.03	--	--	--	0.00	0.02
Skewness	-2.82	--	-1.35	--	--	--	--	3.46
Minimum	2,890.00	--	820.00	1.04	--	--	0.08	0.009
Maximum	3,570.00	--	930.00	1.04	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	3	--	-1	--	--	--	0	-3
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.008	--	0.0000	--	--	--	0.0000	0.0000
B7-U								
Mean	807.75	--	540.67	0.83	--	--	0.08	0.010
UCL	1,190.49	--	591.21	--	--	--	0.08	0.010
Median	572.50	--	520.00	0.83	--	--	0.08	0.010
Standard Deviation	738.23	--	97.49	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.91	--	0.18	--	--	--	0.00	0.00000000000000000019
Skewness	3.36	--	3.07	--	--	--	--	1.15
Minimum	490.00	--	470.00	0.83	--	--	0.08	0.010
Maximum	3,130.00	--	840.00	0.83	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-24	--	-39	--	--	--	0	0
80% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.132	--	-0.069	--	--	--	0.0000	0.0000
B8-KL								
Mean	1,067.83	--	502.33	1.07	--	--	0.08	0.010
UCL	1,140.24	--	513.78	--	--	--	0.08	0.010
Median	1,035.00	--	514.00	1.07	--	--	0.08	0.010
Standard Deviation	139.66	--	22.07	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.13	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	2.64	--	-0.92	--	--	--	--	1.15
Minimum	946.00	--	460.00	1.07	--	--	0.08	0.010
Maximum	1,480.00	--	520.00	1.07	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	10	--	10	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.045	--	0.0000	--	--	--	0.0000	0.0000
B8-KU								
Mean	2,513.33	--	596.08	0.99	--	--	0.08	0.010
UCL	2,561.07	--	611.18	--	--	--	0.08	0.010
Median	2,540.00	--	601.50	0.99	--	--	0.08	0.009
Standard Deviation	92.08	--	29.12	--	--	--	0.00	0.00016
Coefficient of Variation	0.04	--	0.05	--	--	--	0.00	0.02
Skewness	-0.36	--	-0.49	--	--	--	--	3.46
Minimum	2,340.00	--	540.00	0.99	--	--	0.08	0.009

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Maximum	0.08	0.0025	0.02	0.0010	790.00	0.42	0.00007	180.00	1.75	12.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	8	0	-32	34	0	2	0	6
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.047	0.0000	0.0000	0.0000	0.0000	0.0000
B8-O										
Mean	0.10	0.007	0.02	0.0010	517.83	0.27	0.00007	78.75	3.83	8.25
UCL	0.12	0.008	0.02	0.0010	533.73	0.28	0.00007	82.46	5.42	9.22
Median	0.11	0.006	0.01	0.0010	525.00	0.27	0.00007	77.50	2.13	8.50
Standard Deviation	0.03	0.0028	0.005	0.00000000000000000011	30.66	0.009	0.00000000000000000014	7.16	3.06	1.86
Coefficient of Variation	0.27	0.42	0.34	0.00000000000000012	0.06	0.03	0.00000000000000000021	0.09	0.80	0.23
Skewness	-3.38	0.54	2.79	1.15	-0.79	0.74	1.15	0.72	1.65	0.17
Minimum	0.02	0.0030	0.01	0.0010	450.00	0.26	0.00007	69.00	2.13	6.00
Maximum	0.11	0.01	0.03	0.0010	570.00	0.29	0.00007	93.00	11.00	11.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-7	-56	-50	0	-32	23	0	31	6	20
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend
95% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.040	0.0000	0.0000	0.012	0.0000	0.003
B8-U										
Mean	0.08	0.005	0.08	0.0010	655.67	0.14	0.00007	2.67	33.50	40.00
UCL	0.09	0.007	0.08	0.0010	669.04	0.14	0.00007	3.56	37.41	40.83
Median	0.08	0.0026	0.08	0.0010	655.00	0.14	0.00007	2.00	33.50	40.00
Standard Deviation	0.02	0.005	0.010	0.00000000000000000011	25.79	0.010	0.00000000000000000014	1.72	7.55	1.60
Coefficient of Variation	0.22	1.00	0.13	0.00000000000000012	0.04	0.07	0.00000000000000000021	0.65	0.23	0.04
Skewness	-3.46	2.42	-0.28	1.15	-0.53	-0.14	1.15	3.18	-0.28	0.00
Minimum	0.02	0.0010	0.06	0.0010	600.00	0.12	0.00007	2.00	21.00	37.00
Maximum	0.08	0.02	0.09	0.0010	700.00	0.15	0.00007	8.00	42.00	43.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-7	-51	37	0	2	-3	0	-29	-5	29
80% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
95% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
99% confidence	No Trend	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.002	0.003
B9-K										
Mean	0.09	0.0025	0.10	0.0010	1,033.33	0.13	0.00007	2.17	42.25	22.92
UCL	0.11	0.0025	0.11	0.0010	1,065.55	0.13	0.00007	2.37	46.06	24.27
Median	0.10	0.0025	0.10	0.0010	1,000.00	0.13	0.00007	2.00	43.00	22.00
Standard Deviation	0.03	0.0000000000000000005	0.009	0.00000000000000000011	62.13	0.008	0.00000000000000000014	0.39	7.35	2.61
Coefficient of Variation	0.28	0.00000000000000018	0.09	0.00000000000000012	0.06	0.06	0.00000000000000000021	0.18	0.17	0.11
Skewness	-3.46	1.15	0.25	1.15	-0.03	0.0000000000000020	1.15	2.06	-0.35	1.99
Minimum	0.01	0.0025	0.09	0.0010	930.00	0.11	0.00007	2.00	29.00	20.00
Maximum	0.10	0.0025	0.12	0.0010	1,100.00	0.14	0.00007	3.00	52.00	30.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-9	0	53	0	12	-18	0	-14	-7	22
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
95% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.005	0.003
B9-U										
Mean	0.53	0.0025	0.05	0.0010	608.33	0.12	0.00007	2.21	28.50	24.50
UCL	0.84	0.0025	0.06	0.0010	622.11	0.12	0.00007	2.41	31.26	25.85
Median	0.30	0.0025	0.05	0.0010	610.00	0.12	0.00007	2.00	30.00	25.00
Standard Deviation	0.61	0.0000000000000000005	0.01	0.00000000000000000011	26.57	0.006	0.00000000000000000014	0.40	5.32	2.61
Coefficient of Variation	1.16	0.00000000000000018	0.22	0.00000000000000012	0.04	0.05	0.00000000000000000021	0.18	0.19	0.11
Skewness	1.80	1.15	1.06	1.15	-1.15	-0.14	1.15	1.64	-0.39	-1.47
Minimum	0.03	0.0025	0.04	0.0010	550.00	0.11	0.00007	2.00	20.00	18.00
Maximum	2.00	0.0025	0.08	0.0010	640.00	0.13	0.00007	3.00	36.00	27.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-33	0	18	0	-3	-9	0	-19	-5	0
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.001	0.0000
C-1										
Mean	49.71	0.06	0.26	0.003	190.00	0.33	0.0018	304.00	2.50	5.00
UCL	166.45	0.16	0.85	0.003	263.16	0.54	0.0025	849.14	2.50	8.33
Median	0.10	0.02	0.01	0.003	190.00	0.25	0.0021	75.50	2.50	4.00
Standard Deviation	99.23	0.09	0.50	0.00	62.18	0.17	0.0006	463.36	0.00	2.83
Coefficient of Variation	2.00	1.47	1.92	0.00	0.33	0.52	0.32	1.52	0.00	0.57
Skewness	2.00	1.99	2.00	--	0.00	1.98	-2.00	2.00	--	1.41
Minimum	0.10	0.01	0.009	0.003	120.00	0.24	0.0009	66.00	2.50	3.00
Maximum	198.55	0.19	1.01	0.003	260.00	0.60	0.0021	999.00	2.50	9.00
Count (n)	4	4	4	4	4	4	4	4	4	4
Mann-Kendall S	-3	-2	-2	0	-4	-5	-1	-2	0	-5
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Maximum	0.0010	0.0010	0.30	1.82	1.42	0.0005	171.00	0.11	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	10	0	47	0	33	-17	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.017	0.0000	0.0000	0.0000
B8-D										
Mean	0.0010	0.0011	0.73	1.82	0.13	0.0005	180.00	0.07	0.00004	0.005
UCL	0.0010	0.0013	0.77	1.82	0.15	0.0005	188.70	0.08	0.00004	0.005
Median	0.0010	0.0010	0.70	1.82	0.14	0.0005	181.00	0.07	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.0004	0.07	0.00	0.03	0.00000000000000000006	16.78	0.01	0.00	0.00000000000000000009
Coefficient of Variation	0.00000000000000023	0.38	0.09	0.00	0.26	0.00000000000000012	0.09	0.15	0.00	0.00000000000000018
Skewness	-1.15	3.46	-0.44	--	-0.43	1.15	-0.03	2.15	--	1.15
Minimum	0.0010	0.0010	0.50	1.82	0.06	0.0005	153.00	0.07	0.00004	0.005
Maximum	0.0010	0.0025	0.80	1.82	0.19	0.0005	208.00	0.10	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-11	-17	0	24	0	37	-16	0	0
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Positive Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.044	0.0000	0.0000	0.0000
B8-U										
Mean	0.0010	0.0019	2.40	1.82	0.04	0.0005	1.83	0.01	0.00004	0.005
UCL	0.0010	0.003	2.54	1.82	0.05	0.0005	3.02	0.02	0.00004	0.005
Median	0.0010	0.0010	2.40	1.82	0.05	0.0005	1.00	0.01	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.0030	0.27	0.00	0.01	0.00000000000000000006	2.29	0.005	0.00	0.00014
Coefficient of Variation	0.00000000000000023	1.62	0.11	0.00	0.25	0.00000000000000013	1.25	0.33	0.00	0.03
Skewness	-1.15	3.46	0.51	--	-2.06	1.15	3.30	2.87	--	3.46
Minimum	0.0010	0.0010	2.00	1.82	0.02	0.0005	1.00	0.01	0.00004	0.005
Maximum	0.0010	0.01	3.00	1.82	0.05	0.0005	9.00	0.03	0.00004	0.006
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-11	10	0	-16	0	-29	-30	0	-11
80% confidence	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
B9-K										
Mean	0.0010	0.0011	1.77	1.55	0.14	0.0005	1.00	0.06	0.00004	0.005
UCL	0.0010	0.0011	1.82	1.55	0.17	0.0005	1.00	0.06	0.00004	0.005
Median	0.0010	0.0011	1.75	1.55	0.16	0.0005	1.00	0.06	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.000026	0.11	0.00	0.05	0.00000000000000000006	0.00	0.010	0.00	0.00000000000000000009
Coefficient of Variation	0.00000000000000023	0.02	0.06	0.00	0.32	0.00000000000000012	0.00	0.17	0.00	0.00000000000000018
Skewness	-1.15	-3.46	0.80	--	-0.86	1.15	--	0.75	--	1.15
Minimum	0.0010	0.0010	1.60	1.55	0.05	0.0005	1.00	0.04	0.00004	0.005
Maximum	0.0010	0.0011	2.00	1.55	0.20	0.0005	1.00	0.08	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	9	-14	0	46	0	0	-33	0	0
80% confidence	No Trend	Positive Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
B9-U										
Mean	0.0011	0.0015	2.47	1.55	0.26	0.0006	1.00	0.02	0.00004	0.005
UCL	0.0011	0.0018	2.65	1.55	0.45	0.0008	1.00	0.02	0.00004	0.005
Median	0.0011	0.0014	2.50	1.55	0.13	0.0006	1.00	0.02	0.00004	0.005
Standard Deviation	0.00	0.0005	0.34	0.00	0.38	0.00024	0.00	0.006	0.00	0.0004
Coefficient of Variation	0.00	0.34	0.14	0.00	1.47	0.39	0.00	0.29	0.00	0.08
Skewness	--	2.69	0.03	--	2.66	3.46	--	0.05	--	3.46
Minimum	0.0011	0.0010	2.00	1.55	0.03	0.0006	1.00	0.01	0.00004	0.005
Maximum	0.0011	0.0030	3.00	1.55	1.35	0.0014	1.00	0.03	0.00004	0.007
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-5	4	0	-31	-3	0	-19	0	-11
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
C-1										
Mean	0.10	0.85	0.93	3.00	83.04	0.11	169.25	1.13	0.0003	0.01
UCL	0.22	2.85	1.04	3.00	83.04	0.11	455.38	3.65	0.0003	0.02
Median	0.10	0.004	0.95	3.00	83.04	0.11	50.00	0.08	0.0003	0.01
Standard Deviation	0.11	1.70	0.10	0.00	0.00	0.00	243.20	2.15	0.00	0.010
Coefficient of Variation	1.14	1.99	0.10	0.00	0.00	0.00	1.44	1.90	0.00	0.75
Skewness	-0.00007	2.00	-0.85	--	--	--	2.00	2.00	--	1.34
Minimum	0.0010	0.0010	0.80	3.00	83.04	0.11	43.00	0.02	0.0003	0.005
Maximum	0.19	3.40	1.00	3.00	83.04	0.11	534.00	4.35	0.0003	0.03
Count (n)	4	4	4	3	4	4	4	4	4	4
Mann-Kendall S	-3	-2	1	--	0	0	-2	-6	0	-6
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
99% confidence	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Maximum	0.008	0.47	8.20	0.04	9.00	3,360.00	0.0010	482.00	6.50	1,510.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	-11	-24	--	-7	27	0	5	-8	8	--
80% confidence	No Trend	Negative Trend	Negative Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	Negative Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	0.0000	0.178	0.0000	0.005	-0.0001	0.0000	--
B8-D											
Mean	0.010	0.04	7.89	0.02	5.38	2,390.83	0.0010	261.25	3.71	1,068.33	--
UCL	0.01	0.10	7.99	--	5.63	2,483.77	0.0011	269.17	3.78	1,116.91	--
Median	0.007	0.01	7.80	0.02	5.00	2,430.00	0.0010	257.50	3.71	1,050.00	--
Standard Deviation	0.006	0.11	0.19	--	0.48	179.26	0.00014	15.28	0.13	93.70	--
Coefficient of Variation	0.67	2.54	0.02	--	0.09	0.07	0.14	0.06	0.03	0.09	--
Skewness	3.32	3.45	1.32	--	0.59	-0.33	3.46	0.53	0.23	0.44	--
Minimum	0.007	0.01	7.70	0.02	5.00	2,060.00	0.0010	235.00	3.52	960.00	--
Maximum	0.03	0.40	8.30	0.02	6.00	2,650.00	0.0015	294.00	3.94	1,200.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-29	-21	-10	--	7	58	-11	27	-14	25	--
80% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Positive Trend	Negative Trend	Positive Trend	Negative Trend	Positive Trend	--
90% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Positive Trend	Negative Trend	Positive Trend	No Trend	Positive Trend	--
95% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.451	0.0000	0.022	-0.0002	0.097	--
B8-U											
Mean	0.008	0.01	8.52	0.06	1.25	1,145.00	0.0010	278.67	37.93	5.67	--
UCL	0.008	0.01	8.59	--	1.48	1,166.03	0.0010	282.75	42.28	13.56	--
Median	0.008	0.01	8.55	0.06	1.00	1,160.00	0.0010	278.50	41.20	1.11	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.15	--	0.45	40.56	0.0000000000000000023	7.88	8.38	15.22	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.02	--	0.36	0.04	0.0000000000000000023	0.03	0.22	2.69	--
Skewness	-1.15	1.15	0.07	--	1.33	-0.78	-1.15	0.02	-2.04	3.46	--
Minimum	0.008	0.01	8.30	0.06	1.00	1,070.00	0.0010	264.00	15.40	1.11	--
Maximum	0.008	0.01	8.80	0.06	2.00	1,200.00	0.0010	293.00	44.30	54.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	11	--	-7	16	0	16	58	-25	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.008	0.014	0.0000	--
B9-K											
Mean	0.008	0.01	8.35	0.09	2.00	1,595.83	0.0010	410.00	57.16	1.25	--
UCL	0.008	0.01	8.41	--	2.00	1,640.89	0.0010	413.98	58.32	1.54	--
Median	0.008	0.01	8.35	0.09	2.00	1,630.00	0.0010	410.50	56.90	1.09	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.12	--	0.00	86.91	0.0000000000000000023	7.68	2.25	0.55	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.01	--	0.00	0.05	0.0000000000000000023	0.02	0.04	0.44	--
Skewness	-1.15	1.15	0.51	--	--	-1.89	-1.15	-0.93	0.59	3.46	--
Minimum	0.008	0.01	8.20	0.09	2.00	1,370.00	0.0010	392.00	54.20	1.09	--
Maximum	0.008	0.01	8.60	0.09	2.00	1,680.00	0.0010	422.00	61.30	3.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	-6	--	0	17	0	21	38	-11	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.062	0.0000	0.010	0.004	0.0000	--
B9-U											
Mean	0.008	0.01	8.51	0.11	1.04	1,211.58	0.0010	252.25	40.67	1.08	--
UCL	0.008	0.01	8.59	--	1.12	1,556.35	0.0010	255.84	41.80	1.23	--
Median	0.008	0.01	8.55	0.11	1.00	1,035.00	0.0010	252.00	41.25	1.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.16	--	0.14	664.98	0.0000000000000000023	6.92	2.18	0.29	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.02	--	0.14	0.55	0.0000000000000000023	0.03	0.05	0.27	--
Skewness	-1.15	1.15	-0.16	--	3.46	3.45	-1.15	0.95	-1.73	3.46	--
Minimum	0.008	0.01	8.30	0.11	1.00	943.00	0.0010	244.00	35.10	1.00	--
Maximum	0.008	0.01	8.70	0.11	1.50	3,320.00	0.0010	268.00	43.00	2.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	8	--	-11	19	0	5	17	-11	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	Positive Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.092	0.0000	0.001	0.002	0.0000	--
C-1											
Mean	0.12	0.52	7.78	0.01	19.38	884.25	0.0021	63.00	1.46	327.50	--
UCL	0.12	0.84	8.46	--	48.49	935.00	0.004	93.04	2.23	362.63	--
Median	0.12	0.58	8.05	0.01	7.00	886.00	0.0020	55.00	1.26	330.00	--
Standard Deviation	0.00	0.27	0.59	--	24.75	43.14	0.0013	25.53	0.66	29.86	--
Coefficient of Variation	0.00	0.51	0.08	--	1.28	0.05	0.62	0.41	0.45	0.09	--
Skewness	--	-0.60	-1.96	--	2.00	-0.03	0.12	1.60	1.59	-0.42	--
Minimum	0.12	0.19	6.90	0.01	7.00	843.00	0.0010	42.00	0.90	290.00	--
Maximum	0.12	0.74	8.10	0.01	56.50	922.00	0.004	100.00	2.41	360.00	--
Count (n)	4	4	4	1	4	4	4	4	4	4	--
Mann-Kendall S	0	5	-1	--	-3	4	-3	-6	-6	4	--
80% confidence	No Trend	Positive Trend	No Trend	--	No Trend	Positive Trend	No Trend	Negative Trend	Negative Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Maximum	2,660.00	--	650.00	0.99	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	2	--	-33	--	--	--	0	-3
80% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	-0.054	--	--	--	0.0000	0.0000
B8-O								
Mean	1,833.33	--	428.17	0.22	--	--	0.08	0.010
UCL	1,917.81	--	437.71	--	--	--	0.08	0.010
Median	1,805.00	--	430.00	0.22	--	--	0.08	0.009
Standard Deviation	162.95	--	18.40	--	--	--	0.00	0.00016
Coefficient of Variation	0.09	--	0.04	--	--	--	0.00	0.02
Skewness	0.43	--	-0.52	--	--	--	--	3.46
Minimum	1,660.00	--	390.00	0.22	--	--	0.08	0.009
Maximum	2,110.00	--	460.00	0.22	--	--	0.08	0.01
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	23	--	-29	--	--	--	0	-1
80% confidence	Positive Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	Positive Trend	--	Negative Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.337	--	-0.031	--	--	--	0.0000	0.0000
B8-U								
Mean	678.92	--	594.17	0.64	--	--	0.08	0.010
UCL	695.06	--	606.76	--	--	--	0.08	0.010
Median	672.50	--	605.00	0.64	--	--	0.08	0.010
Standard Deviation	31.14	--	24.29	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.05	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	1.20	--	-1.00	--	--	--	--	1.15
Minimum	638.00	--	540.00	0.64	--	--	0.08	0.010
Maximum	754.00	--	620.00	0.64	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-20	--	-4	--	--	--	0	0
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.034	--	0.0000	--	--	--	0.0000	0.0000
B9-K								
Mean	977.00	--	914.17	0.78	--	--	0.08	0.010
UCL	995.50	--	933.62	--	--	--	0.08	0.010
Median	985.50	--	930.00	0.78	--	--	0.08	0.010
Standard Deviation	35.68	--	37.53	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.04	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	-1.38	--	-1.11	--	--	--	--	1.15
Minimum	888.00	--	840.00	0.78	--	--	0.08	0.010
Maximum	1,030.00	--	950.00	0.78	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	9	--	7	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.009	--	0.006	--	--	--	0.0000	0.0000
B9-U								
Mean	628.17	--	545.00	0.32	--	--	0.08	0.010
UCL	654.35	--	557.60	--	--	--	0.08	0.010
Median	611.50	--	555.00	0.32	--	--	0.08	0.010
Standard Deviation	50.50	--	24.31	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.08	--	0.04	--	--	--	0.00	0.00000000000000000019
Skewness	1.32	--	-1.25	--	--	--	--	1.15
Minimum	569.00	--	500.00	0.32	--	--	0.08	0.010
Maximum	732.00	--	570.00	0.32	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-15	--	2	--	--	--	0	0
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.066	--	0.0000	--	--	--	0.0000	0.0000
C-1								
Mean	665.25	--	155.00	0.05	--	--	0.54	0.52
UCL	714.75	--	213.04	--	--	--	1.34	0.92
Median	673.00	--	155.00	0.05	--	--	0.25	0.69
Standard Deviation	42.07	--	49.33	--	--	--	0.68	0.34
Coefficient of Variation	0.06	--	0.32	--	--	--	1.26	0.65
Skewness	-0.45	--	0.00	--	--	--	1.91	-2.00
Minimum	615.00	--	100.00	0.05	--	--	0.10	0.01
Maximum	700.00	--	210.00	0.05	--	--	1.55	0.69
Count (n)	4	--	4	1	--	--	4	4
Mann-Kendall S	3	--	-4	--	--	--	-2	-1
80% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Sen Slope	--	--	--	--	--	--	--	--	--	--
C-2										
Mean	0.11	0.004	0.06	0.0010	785.83	0.41	0.00007	72.54	4.33	26.67
UCL	0.11	0.004	0.06	0.0010	802.44	0.42	0.00007	74.89	6.53	28.53
Median	0.11	0.004	0.06	0.0010	795.00	0.41	0.00007	73.00	1.75	27.00
Standard Deviation	0.000000000000000029	0.0005	0.01	0.00000000000000000011	32.04	0.03	0.00000000000000000014	4.53	4.23	3.60
Coefficient of Variation	0.000000000000000027	0.14	0.21	0.00000000000000000012	0.04	0.06	0.00000000000000000021	0.06	0.98	0.14
Skewness	-1.15	-0.39	1.78	1.15	-1.91	0.22	1.15	-0.81	1.42	-0.40
Minimum	0.11	0.0030	0.04	0.0010	700.00	0.37	0.00007	62.00	1.75	20.00
Maximum	0.11	0.004	0.09	0.0010	820.00	0.45	0.00007	79.00	13.00	32.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	-7	-46	0	-11	2	0	23	6	3
80% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.014	0.0000	0.0000	0.004	0.0000	0.0000
C-3										
Mean	0.08	0.0027	0.02	0.0010	745.83	0.49	0.00007	111.92	6.75	13.17
UCL	0.08	0.0028	0.02	0.0010	764.65	0.50	0.00007	115.24	13.57	14.70
Median	0.08	0.0028	0.02	0.0010	760.00	0.50	0.00007	112.00	1.60	13.00
Standard Deviation	0.000000000000000014	0.00031	0.0010	0.00000000000000000011	36.30	0.03	0.00000000000000000014	6.40	13.16	2.95
Coefficient of Variation	0.000000000000000019	0.12	0.07	0.00000000000000000012	0.05	0.06	0.00000000000000000021	0.06	1.95	0.22
Skewness	-1.15	-2.06	0.89	1.15	-1.64	-0.28	1.15	0.04	2.73	1.03
Minimum	0.08	0.0020	0.01	0.0010	660.00	0.44	0.00007	100.00	1.60	10.00
Maximum	0.08	0.0028	0.02	0.0010	780.00	0.53	0.00007	124.00	45.00	20.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	-16	10	0	-1	7	0	16	1	5
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.007	0.0000	0.0000
C-4										
Mean	0.08	0.0026	0.02	0.0010	832.50	0.36	0.00007	142.67	7.42	16.83
UCL	0.09	0.0030	0.02	0.0010	852.66	0.37	0.00007	147.17	16.44	20.54
Median	0.08	0.0030	0.02	0.0010	845.00	0.35	0.00007	142.50	1.60	17.00
Standard Deviation	0.02	0.0008	0.0009	0.00000000000000000011	38.88	0.02	0.00000000000000000014	8.68	17.40	7.15
Coefficient of Variation	0.25	0.31	0.04	0.00000000000000000012	0.05	0.07	0.00000000000000000021	0.06	2.35	0.42
Skewness	-3.46	-1.64	-0.18	1.15	-1.52	0.53	1.15	-0.60	3.33	1.56
Minimum	0.02	0.0010	0.02	0.0010	750.00	0.32	0.00007	124.00	1.60	5.00
Maximum	0.08	0.0030	0.02	0.0010	870.00	0.39	0.00007	154.00	62.00	36.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-7	-27	15	0	-5	30	0	39	1	2
80% confidence	Negative Trend	Negative Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.011	0.0000	0.0000	0.016	0.0000	0.0000
COAL CREEK										
Mean	0.10	0.0030	0.01	0.0010	330.00	0.11	0.00008	4.00	38.00	9.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.10	0.0030	0.01	0.0010	330.00	0.11	0.00008	4.00	38.00	9.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.10	0.0030	0.01	0.0010	330.00	0.11	0.00008	4.00	38.00	9.00
Maximum	0.10	0.0030	0.01	0.0010	330.00	0.11	0.00008	4.00	38.00	9.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
FORTUNE SPRING										
Mean	0.08	0.0026	0.02	0.0010	942.73	0.94	0.00007	355.91	5.00	22.46
UCL	0.09	0.0027	0.02	0.0010	975.15	1.00	0.00007	374.99	10.98	26.52
Median	0.09	0.0028	0.02	0.0010	960.00	0.96	0.00008	350.50	1.70	24.00
Standard Deviation	0.01	0.00019	0.0020	0.000018	59.34	0.12	0.000005	34.93	10.94	7.43
Coefficient of Variation	0.17	0.07	0.13	0.02	0.06	0.12	0.08	0.10	2.19	0.33
Skewness	-1.92	-1.19	-0.26	-1.04	-1.20	0.20	-1.19	-0.25	3.32	-0.35
Minimum	0.05	0.0023	0.01	0.0009	810.00	0.74	0.00006	297.00	1.70	10.00
Maximum	0.09	0.0028	0.02	0.0010	1,000.00	1.16	0.00008	410.00	38.00	32.00
Count (n)	11	11	11	10	11	11	11	11	11	11
Mann-Kendall S	-14	-14	-7	-11	-9	-17	-4	-17	0	-25
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.043	-0.0001	0.0000	-0.049	0.0000	-0.012
K-1										
Mean	0.08	0.0025	0.16	0.0010	918.33	0.09	0.00007	3.92	42.75	10.08
UCL	0.09	0.0025	0.17	0.0010	937.46	0.10	0.00007	4.33	49.87	10.76
Median	0.09	0.0025	0.16	0.0010	925.00	0.09	0.00007	4.00	41.50	10.00
Standard Deviation	0.02	0.000000000000000005	0.02	0.00000000000000000011	36.89	0.005	0.00000000000000000014	0.79	13.73	1.31
Coefficient of Variation	0.29	0.000000000000000018	0.15	0.00000000000000000012	0.04	0.05	0.00000000000000000021	0.20	0.32	0.13

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Sen Slope	--	--	--	--	--	--	--	--	--	--
C-2										
Mean	0.0027	0.0015	1.11	1.75	0.08	0.0005	115.46	0.03	0.00004	0.005
UCL	0.0032	0.0019	1.22	1.75	0.09	0.0005	117.63	0.04	0.00004	0.005
Median	0.0028	0.0011	1.10	1.75	0.07	0.0005	115.00	0.03	0.00004	0.005
Standard Deviation	0.0009	0.0009	0.22	0.00	0.02	0.00	4.19	0.01	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.32	0.57	0.20	0.00	0.29	0.00	0.04	0.46	0.00000000000000000016	0.00000000000000000018
Skewness	1.75	2.64	-1.99	--	1.10	--	-0.10	0.86	1.15	1.15
Minimum	0.0020	0.0011	0.50	1.75	0.05	0.0005	107.00	0.02	0.00004	0.005
Maximum	0.005	0.004	1.40	1.75	0.12	0.0005	122.00	0.06	0.00004	0.005
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	-5	-5	0	30	0	9	40	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.002	0.0000	0.0000	0.0000
C-3										
Mean	0.0010	0.0015	0.78	1.55	4.38	0.0005	177.08	0.47	0.00004	0.005
UCL	0.0010	0.0018	0.82	1.55	4.90	0.0005	180.28	0.49	0.00004	0.005
Median	0.0010	0.0010	0.80	1.55	4.27	0.0005	176.50	0.48	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.0006	0.07	0.00	1.01	0.00	6.17	0.04	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.40	0.09	0.00	0.23	0.00	0.03	0.09	0.00000000000000000016	0.00000000000000000018
Skewness	-1.15	0.60	0.26	--	0.38	--	0.49	-1.36	1.15	1.15
Minimum	0.0010	0.0010	0.70	1.55	2.83	0.0005	169.00	0.38	0.00004	0.005
Maximum	0.0010	0.0025	0.90	1.55	6.32	0.0005	188.00	0.51	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	-19	-4	0	-12	0	4	20	0	0
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0008	0.0000	0.0000	0.0000
C-4										
Mean	0.0010	0.0010	0.74	1.55	1.56	0.0005	220.17	0.36	0.00004	0.005
UCL	0.0010	0.0010	0.79	1.55	1.78	0.0005	225.59	0.37	0.00004	0.005
Median	0.0010	0.0010	0.70	1.55	1.42	0.0005	219.50	0.36	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.10	0.00	0.42	0.00000000000000000006	10.45	0.02	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.13	0.00	0.27	0.00000000000000000013	0.05	0.04	0.00000000000000000016	0.00000000000000000018
Skewness	-1.15	-1.15	1.60	--	1.15	1.15	0.53	0.48	1.15	1.15
Minimum	0.0010	0.0010	0.60	1.55	1.03	0.0005	205.00	0.34	0.00004	0.005
Maximum	0.0010	0.0010	1.00	1.55	2.36	0.0005	242.00	0.39	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	-6	0	2	0	34	0	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.020	0.0000	0.0000	0.0000
COAL CREEK										
Mean	0.0010	0.0015	0.90	--	0.18	0.0005	1.00	0.01	0.00005	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.0015	0.90	--	0.18	0.0005	1.00	0.01	0.00005	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0015	0.90	--	0.18	0.0005	1.00	0.01	0.00005	0.005
Maximum	0.0010	0.0015	0.90	--	0.18	0.0005	1.00	0.01	0.00005	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
FORTUNE SPRING										
Mean	0.0010	0.0023	0.56	--	0.04	0.0005	688.32	0.005	0.00012	0.005
UCL	0.0010	0.0025	0.58	--	0.05	0.0005	714.81	0.005	0.00027	0.005
Median	0.0010	0.0020	0.60	--	0.05	0.0005	684.00	0.005	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.0004	0.05	--	0.0029	0.000019	48.49	0.00000000000000000009	0.00028	0.0005
Coefficient of Variation	0.00000000000000000023	0.18	0.10	--	0.07	0.04	0.07	0.00000000000000000018	2.22	0.10
Skewness	-1.17	0.77	-0.20	--	-1.19	-1.19	-0.27	1.17	3.31	-3.32
Minimum	0.0010	0.0019	0.50	--	0.04	0.0004	603.00	0.005	0.000028	0.003
Maximum	0.0010	0.0030	0.61	--	0.05	0.0005	757.00	0.005	0.0010	0.005
Count (n)	11	11	11	--	11	11	11	11	11	11
Mann-Kendall S	0	-15	-15	--	-14	-14	-9	0	-16	10
80% confidence	No Trend	Negative Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	Positive Trend
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	Positive Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	-0.046	0.0000	0.0000	0.0000
K-1										
Mean	0.0010	0.0010	1.33	1.55	0.06	0.0005	1.83	0.006	0.00004	0.005
UCL	0.0010	0.0010	1.37	1.55	0.08	0.0005	2.04	0.007	0.00004	0.005
Median	0.0010	0.0010	1.30	1.55	0.05	0.0005	2.00	0.005	0.00004	0.005
Standard Deviation	0.00000000000000000023	0.00000000000000000023	0.07	0.00	0.03	0.00000000000000000006	0.39	0.0017	0.00000000000000000007	0.00000000000000000009
Coefficient of Variation	0.00000000000000000023	0.00000000000000000023	0.05	0.00	0.55	0.00000000000000000013	0.21	0.29	0.00000000000000000016	0.00000000000000000018

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
C-2											
Mean	0.008	4.34	7.63	--	22.79	2,935.83	0.02	471.88	7.97	990.83	--
UCL	0.008	4.91	7.74	--	23.20	3,032.28	0.02	486.46	8.20	1,036.43	--
Median	0.008	4.25	7.55	--	23.00	3,010.00	0.02	474.00	7.91	1,000.00	--
Standard Deviation	0.0000000000000000018	1.09	0.22	--	0.78	186.03	0.005	28.14	0.44	87.95	--
Coefficient of Variation	0.0000000000000000023	0.25	0.03	--	0.03	0.06	0.27	0.06	0.06	0.09	--
Skewness	-1.15	-0.05	0.94	--	-1.04	-1.75	0.22	-0.03	0.43	-0.55	--
Minimum	0.008	2.52	7.30	--	21.00	2,480.00	0.01	429.00	7.28	820.00	--
Maximum	0.008	6.08	8.10	--	24.00	3,100.00	0.03	515.00	8.80	1,100.00	--
Count (n)	12	12	12	--	12	12	12	12	12	12	--
Mann-Kendall S	0	-34	-17	--	-10	36	-14	44	40	41	--
80% confidence	No Trend	Negative Trend	Negative Trend	--	No Trend	Positive Trend	Negative Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	Negative Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	Negative Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
Sen Slope	0.0000	-0.003	-0.0002	--	0.0000	0.149	0.0000	0.070	0.001	0.185	--
C-3											
Mean	0.008	0.02	7.72	0.07	23.00	3,375.83	0.0010	477.38	6.54	1,433.33	--
UCL	0.008	0.02	7.82	--	23.58	3,473.62	0.0010	484.13	6.61	1,473.70	--
Median	0.008	0.01	7.65	0.07	23.00	3,445.00	0.0010	481.00	6.54	1,450.00	--
Standard Deviation	0.0000000000000000018	0.02	0.19	--	1.13	188.61	0.0000000000000000023	13.03	0.13	77.85	--
Coefficient of Variation	0.0000000000000000023	1.09	0.02	--	0.05	0.06	0.0000000000000000023	0.03	0.02	0.05	--
Skewness	-1.15	3.31	1.63	--	0.00	-1.89	-1.15	-0.66	0.35	-0.72	--
Minimum	0.008	0.01	7.50	0.07	21.00	2,890.00	0.0010	454.00	6.35	1,300.00	--
Maximum	0.008	0.07	8.20	0.07	25.00	3,550.00	0.0010	492.00	6.76	1,500.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	13	0	--	28	21	0	16	24	28	--
80% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Positive Trend	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.002	0.160	0.0000	0.015	0.0002	0.115	--
C-4											
Mean	0.008	0.01	7.68	0.06	20.21	4,060.83	0.0010	594.58	7.29	1,808.33	--
UCL	0.008	0.01	7.80	--	20.64	4,168.92	0.0010	606.75	7.41	1,879.83	--
Median	0.008	0.01	7.60	0.06	20.00	4,160.00	0.0010	591.00	7.26	1,850.00	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.25	--	0.84	208.48	0.0000000000000000023	23.47	0.24	137.90	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.03	--	0.04	0.05	0.0000000000000000023	0.04	0.03	0.08	--
Skewness	-1.15	1.15	2.67	--	-0.80	-1.53	-1.15	-0.13	0.06	-0.68	--
Minimum	0.008	0.01	7.50	0.06	18.50	3,590.00	0.0010	553.00	6.93	1,600.00	--
Maximum	0.008	0.01	8.40	0.06	21.00	4,240.00	0.0010	626.00	7.65	2,000.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	-21	--	36	7	0	16	1	38	--
80% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.002	0.073	0.0000	0.028	0.0000	0.237	--
COAL CREEK											
Mean	0.01	0.03	8.90	--	3.00	1,740.00	0.0010	385.50	43.40	500.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.01	0.03	8.90	--	3.00	1,740.00	0.0010	385.50	43.40	500.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	0.03	8.90	--	3.00	1,740.00	0.0010	385.50	43.40	500.00	--
Maximum	0.01	0.03	8.90	--	3.00	1,740.00	0.0010	385.50	43.40	500.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
FORTUNE SPRING											
Mean	0.009	9.39	7.41	0.009	27.06	8,843.64	0.02	1,397.32	10.04	5,723.64	--
UCL	0.009	11.68	7.49	--	28.30	9,296.91	0.03	1,452.50	10.53	5,969.76	--
Median	0.009	10.40	7.40	0.009	26.50	9,130.00	0.02	1,405.00	9.77	5,860.00	--
Standard Deviation	0.0008	4.20	0.14	--	2.26	829.67	0.01	101.01	0.88	450.49	--
Coefficient of Variation	0.09	0.45	0.02	--	0.08	0.09	0.65	0.07	0.09	0.08	--
Skewness	-1.19	-0.77	1.99	--	0.03	-1.49	0.59	0.08	1.57	-0.51	--
Minimum	0.007	0.35	7.20	0.009	23.20	6,830.00	0.0018	1,260.00	9.04	4,800.00	--
Maximum	0.009	16.10	7.80	0.009	31.00	9,840.00	0.05	1,565.00	12.20	6,500.00	--
Count (n)	11	11	11	1	11	11	11	11	11	11	--
Mann-Kendall S	-14	0	-3	--	-8	-1	31	-35	-31	-17	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	Negative Trend	Negative Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	-0.001	-0.283	0.0000	-0.201	-0.002	-0.597	--
K-1											
Mean	0.008	0.01	8.43	0.14	2.00	1,582.50	0.0010	397.08	41.76	78.75	--
UCL	0.008	0.01	8.49	--	2.00	1,634.49	0.0010	409.90	43.54	98.16	--
Median	0.008	0.01	8.40	0.14	2.00	1,610.00	0.0010	398.00	41.85	73.50	--
Standard Deviation	0.0000000000000000018	0.0000000000000000018	0.13	--	0.00	100.28	0.0000000000000000023	24.73	3.43	37.43	--
Coefficient of Variation	0.0000000000000000023	0.0000000000000000018	0.02	--	0.00	0.06	0.0000000000000000023	0.06	0.08	0.48	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Sen Slope	--	--	--	--	--	--	--	--
C-2								
Mean	2,109.17	--	650.00	--	--	--	0.09	0.010
UCL	2,187.75	--	663.08	--	--	--	0.10	0.010
Median	2,135.00	--	660.00	--	--	--	0.10	0.010
Standard Deviation	151.57	--	25.23	--	--	--	0.02	0.00000000000000000018
Coefficient of Variation	0.07	--	0.04	--	--	--	0.26	0.00000000000000000019
Skewness	0.26	--	-1.47	--	--	--	-1.33	1.15
Minimum	1,840.00	--	590.00	--	--	--	0.05	0.010
Maximum	2,440.00	--	670.00	--	--	--	0.10	0.010
Count (n)	12	--	12	--	--	--	12	12
Mann-Kendall S	9	--	-6	--	--	--	-27	0
80% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
Sen Slope	0.066	--	0.0000	--	--	--	0.0000	0.0000
C-3								
Mean	2,536.67	--	619.17	0.05	--	--	0.08	0.010
UCL	2,636.33	--	629.87	--	--	--	0.08	0.010
Median	2,580.00	--	620.00	0.05	--	--	0.08	0.010
Standard Deviation	192.23	--	20.65	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.08	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	-2.01	--	-1.28	--	--	--	--	1.15
Minimum	2,010.00	--	570.00	0.05	--	--	0.08	0.010
Maximum	2,740.00	--	640.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	5	--	3	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	0.0000	--	--	--	0.0000	0.0000
C-4								
Mean	3,227.50	--	693.33	0.05	--	--	0.08	0.010
UCL	3,283.69	--	705.71	--	--	--	0.08	0.010
Median	3,270.00	--	695.00	0.05	--	--	0.08	0.010
Standard Deviation	108.39	--	23.87	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.03	--	0.03	--	--	--	0.00	0.00000000000000000019
Skewness	-0.81	--	-1.77	--	--	--	--	1.15
Minimum	3,040.00	--	630.00	0.05	--	--	0.08	0.010
Maximum	3,360.00	--	720.00	0.05	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	21	--	0	--	--	--	0	0
80% confidence	Positive Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	Positive Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.145	--	0.0000	--	--	--	0.0000	0.0000
COAL CREEK								
Mean	1,130.00	--	340.00	--	12.00	4.50	0.10	0.01
UCL	--	--	--	--	--	--	--	--
Median	1,130.00	--	340.00	--	12.00	4.50	0.10	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	1,130.00	--	340.00	--	12.00	4.50	0.10	0.01
Maximum	1,130.00	--	340.00	--	12.00	4.50	0.10	0.01
Count (n)	1	--	1	--	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
FORTUNE SPRING								
Mean	8,595.45	--	791.82	0.05	31.20	0.79	0.07	0.010
UCL	9,205.92	--	813.92	--	51.48	1.42	0.08	0.010
Median	8,860.00	--	790.00	0.05	13.50	0.35	0.08	0.010
Standard Deviation	1,117.38	--	40.45	--	34.99	1.09	0.0029	0.00019
Coefficient of Variation	0.13	--	0.05	--	1.12	1.38	0.04	0.02
Skewness	-0.65	--	-0.28	--	1.19	2.81	-1.19	-1.19
Minimum	6,510.00	--	720.00	0.05	4.00	0.20	0.07	0.009
Maximum	10,100.00	--	860.00	0.05	100.00	3.80	0.08	0.010
Count (n)	11	--	11	1	10	10	11	11
Mann-Kendall S	1	--	-15	--	-15	-3	-14	-14
80% confidence	No Trend	--	Negative Trend	--	Negative Trend	No Trend	Negative Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	--	-0.043	--	-0.010	0.0000	0.0000	0.0000
K-1								
Mean	985.25	--	823.33	0.63	--	--	0.08	0.010
UCL	1,015.44	--	839.17	--	--	--	0.08	0.010
Median	997.50	--	830.00	0.63	--	--	0.08	0.010
Standard Deviation	58.23	--	30.55	--	--	--	0.00	0.00000000000000000018
Coefficient of Variation	0.06	--	0.04	--	--	--	0.00	0.00000000000000000019

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Skewness	-2.37	1.15	-0.21	1.15	-1.95	0.81	1.15	-1.15	1.55	0.11
Minimum	0.02	0.0025	0.12	0.0010	820.00	0.09	0.00007	2.00	23.00	8.00
Maximum	0.09	0.0025	0.19	0.0010	950.00	0.10	0.00007	5.00	79.00	12.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-17	0	7	0	-5	8	0	-13	7	17
80% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.001	0.001
K-2										
Mean	0.08	0.0025	0.10	0.0010	666.67	0.10	0.00007	2.08	37.42	8.08
UCL	0.09	0.0025	0.10	0.0010	681.22	0.10	0.00007	2.23	42.67	8.60
Median	0.08	0.0025	0.10	0.0010	675.00	0.10	0.00007	2.00	38.50	8.00
Standard Deviation	0.02	0.0000000000000000005	0.006	0.00000000000000000011	28.07	0.005	0.00000000000000000014	0.29	10.13	1.00
Coefficient of Variation	0.23	0.00000000000000018	0.06	0.00000000000000012	0.04	0.05	0.00000000000000021	0.14	0.27	0.12
Skewness	-2.86	1.15	-0.36	1.15	-1.07	-0.21	1.15	3.46	0.76	0.47
Minimum	0.02	0.0025	0.09	0.0010	600.00	0.09	0.00007	2.00	22.00	7.00
Maximum	0.10	0.0025	0.11	0.0010	710.00	0.11	0.00007	3.00	61.00	10.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-21	0	47	0	-17	13	0	-9	11	11
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.032	0.0000	0.0000	0.0000	0.007	0.0000
K-3										
Mean	0.15	0.0025	0.03	0.0010	733.17	0.33	0.00007	143.63	1.75	12.58
UCL	0.28	0.0025	0.03	0.0010	748.83	0.34	0.00007	150.50	1.75	13.30
Median	0.08	0.0025	0.03	0.0010	744.00	0.33	0.00007	141.75	1.75	13.00
Standard Deviation	0.25	0.0000000000000000005	0.01	0.00000000000000000011	30.22	0.03	0.00000000000000000014	13.25	0.00	1.38
Coefficient of Variation	1.71	0.00000000000000018	0.36	0.00000000000000012	0.04	0.08	0.00000000000000021	0.09	0.00	0.11
Skewness	3.46	1.15	2.61	1.15	-0.77	0.91	1.15	1.48	--	-0.58
Minimum	0.08	0.0025	0.02	0.0010	670.00	0.29	0.00007	128.00	1.75	10.00
Maximum	0.95	0.0025	0.06	0.0010	770.00	0.39	0.00007	173.00	1.75	14.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-11	0	-22	0	-24	1	0	-15	0	15
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend
90% confidence	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.031	0.0000	0.0000	-0.008	0.0000	0.001
K-4										
Mean	0.35	0.0026	0.02	0.0010	481.00	0.11	0.00007	2.04	26.58	8.17
UCL	0.59	0.0029	0.03	0.0010	492.02	0.12	0.00007	2.12	30.38	8.65
Median	0.19	0.0028	0.02	0.0009	480.00	0.11	0.00007	2.00	28.50	8.50
Standard Deviation	0.45	0.0006	0.01	0.000016	21.26	0.009	0.000004	0.14	7.32	0.94
Coefficient of Variation	1.30	0.21	0.44	0.02	0.04	0.08	0.06	0.07	0.28	0.11
Skewness	2.77	-2.60	3.24	3.46	-1.15	0.61	3.46	3.46	0.005	-0.38
Minimum	0.08	0.0010	0.02	0.0009	430.00	0.10	0.00007	2.00	15.00	7.00
Maximum	1.70	0.0030	0.06	0.0010	510.00	0.13	0.00008	2.50	41.00	9.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-15	-26	-5	-11	-21	5	-11	-11	12	12
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.024	0.0000	0.0000	0.0000	0.005	0.0000
K-5										
Mean	0.09	0.0025	0.11	0.0010	836.67	0.17	0.00007	2.33	25.33	9.25
UCL	0.10	0.0025	0.11	0.0010	856.36	0.17	0.00007	2.59	31.68	9.92
Median	0.10	0.0025	0.11	0.0010	855.00	0.16	0.00007	2.00	23.00	9.00
Standard Deviation	0.03	0.0000000000000000005	0.007	0.00000000000000000011	37.98	0.01	0.00000000000000000014	0.49	12.24	1.29
Coefficient of Variation	0.38	0.00000000000000018	0.07	0.00000000000000012	0.05	0.07	0.00000000000000021	0.21	0.48	0.14
Skewness	-2.07	1.15	0.07	1.15	-1.42	2.35	1.15	0.81	1.10	0.36
Minimum	0.01	0.0025	0.10	0.0010	750.00	0.16	0.00007	2.00	7.00	8.00
Maximum	0.10	0.0025	0.12	0.0010	870.00	0.20	0.00007	3.00	55.00	11.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-17	0	47	0	14	4	0	14	8	19
80% confidence	Negative Trend	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	Positive Trend
90% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.015	0.0000	0.0000	0.0000	0.004	0.001
K-6										
Mean	0.09	0.0025	0.02	0.0010	1,100.83	0.22	0.00007	73.58	9.25	30.08
UCL	0.09	0.0025	0.02	0.0010	1,142.63	0.22	0.00007	80.38	18.22	54.63
Median	0.09	0.0025	0.02	0.0010	1,100.00	0.22	0.00007	71.50	2.00	16.50
Standard Deviation	0.000000000000000029	0.0000000000000000005	0.005	0.00000000000000000011	80.62	0.01	0.00000000000000000014	13.11	17.30	47.34
Coefficient of Variation	0.0000000000000003	0.00000000000000018	0.27	0.00000000000000012	0.07	0.05	0.00000000000000021	0.18	1.87	1.57
Skewness	-1.15	1.15	2.05	1.15	-0.33	0.66	1.15	1.13	2.88	3.43
Minimum	0.09	0.0025	0.02	0.0010	970.00	0.20	0.00007	57.00	2.00	12.00
Maximum	0.09	0.0025	0.03	0.0010	1,200.00	0.24	0.00007	104.00	61.00	180.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	0	0	-47	0	-19	3	0	-49	0	0
80% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Skewness	-1.15	-1.15	-0.44	–	2.71	1.15	-2.06	2.68	1.15	1.15
Minimum	0.0010	0.0010	1.20	1.55	0.03	0.0005	1.00	0.005	0.00004	0.005
Maximum	0.0010	0.0010	1.40	1.55	0.16	0.0005	2.00	0.01	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	9	0	-29	0	-20	-18	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
K-2										
Mean	0.0010	0.0010	1.53	1.82	0.04	0.0005	1.00	0.01	0.00004	0.005
UCL	0.0010	0.0010	1.82	1.82	0.05	0.0005	1.00	0.02	0.00004	0.005
Median	0.0010	0.0010	1.40	1.82	0.04	0.0005	1.00	0.01	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.56	0.00	0.007	0.0000000000000000006	0.00	0.004	0.0000000000000000014	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.0000000000000000023	0.37	0.00	0.17	0.0000000000000000013	0.00	0.33	0.0000000000000003	0.0000000000000000018
Skewness	-1.15	-1.15	3.35	–	-3.46	1.15	–	0.63	-1.15	1.15
Minimum	0.0010	0.0010	1.20	1.82	0.02	0.0005	1.00	0.007	0.00004	0.005
Maximum	0.0010	0.0010	3.30	1.82	0.04	0.0005	1.00	0.02	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	0	0	-11	0	0	-33	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
K-3										
Mean	0.0011	0.0013	0.65	1.82	1.05	0.0005	94.96	0.12	0.00004	0.005
UCL	0.0012	0.0013	0.78	1.82	1.35	0.0005	96.61	0.16	0.00004	0.005
Median	0.0010	0.0013	0.60	1.82	0.83	0.0005	96.00	0.09	0.00004	0.005
Standard Deviation	0.00029	0.00008	0.24	0.00	0.58	0.0000000000000000011	3.19	0.08	0.0000000000000000014	0.0000000000000000009
Coefficient of Variation	0.27	0.06	0.37	0.00	0.55	0.0000000000000000021	0.03	0.68	0.0000000000000003	0.0000000000000000018
Skewness	3.46	-3.46	3.12	–	2.40	-1.15	-0.18	2.38	-1.15	1.15
Minimum	0.0010	0.0010	0.50	1.82	0.67	0.0005	90.00	0.07	0.00004	0.005
Maximum	0.0020	0.0013	1.40	1.82	2.66	0.0005	100.00	0.35	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	5	9	12	0	-36	0	35	-60	0	0
80% confidence	No Trend	Positive Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0005	0.0000	0.006	-0.0001	0.0000	0.0000
K-4										
Mean	0.0013	0.0010	1.75	1.82	0.18	0.0006	1.00	0.02	0.00004	0.005
UCL	0.0016	0.0010	2.07	1.82	0.33	0.0009	1.00	0.03	0.00004	0.005
Median	0.0010	0.0010	1.50	1.82	0.08	0.0005	1.00	0.02	0.00004	0.005
Standard Deviation	0.0006	0.00	0.62	0.00	0.29	0.0005	0.00	0.01	0.000010	0.0000000000000000009
Coefficient of Variation	0.50	0.00	0.35	0.00	1.67	0.75	0.00	0.61	0.24	0.0000000000000000018
Skewness	2.56	–	2.84	–	3.27	2.58	–	2.74	-2.95	1.15
Minimum	0.0010	0.0010	1.40	1.82	0.05	0.0004	1.00	0.01	0.000010	0.005
Maximum	0.0030	0.0010	3.60	1.82	1.10	0.0020	1.00	0.06	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	1	0	-7	0	-4	-20	0	-41	-17	0
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
K-5										
Mean	0.0010	0.0010	1.41	1.55	0.20	0.0005	1.00	0.03	0.00004	0.005
UCL	0.0010	0.0010	1.46	1.55	0.23	0.0005	1.00	0.04	0.00004	0.005
Median	0.0010	0.0010	1.40	1.55	0.20	0.0005	1.00	0.03	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.09	0.00	0.06	0.0000000000000000006	0.00	0.02	0.0000000000000000007	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.0000000000000000023	0.06	0.00	0.27	0.0000000000000000013	0.00	0.80	0.0000000000000000016	0.0000000000000000018
Skewness	-1.15	-1.15	0.71	–	0.05	1.15	–	2.76	1.15	1.15
Minimum	0.0010	0.0010	1.30	1.55	0.11	0.0005	1.00	0.01	0.00004	0.005
Maximum	0.0010	0.0010	1.60	1.55	0.29	0.0005	1.00	0.10	0.00004	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	9	0	-23	0	0	-46	0	0
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
K-6										
Mean	0.0010	0.0010	0.85	1.82	0.71	0.0005	71.63	0.11	0.00004	0.005
UCL	0.0010	0.0010	0.88	1.82	0.80	0.0005	75.29	0.14	0.00004	0.005
Median	0.0010	0.0010	0.80	1.82	0.68	0.0005	70.75	0.09	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.0000000000000000023	0.07	0.00	0.16	0.0000000000000000011	7.07	0.06	0.000010	0.0000000000000000009
Coefficient of Variation	0.0000000000000000023	0.0000000000000000023	0.08	0.00	0.22	0.0000000000000000023	0.10	0.58	0.24	0.0000000000000000018
Skewness	-1.15	-1.15	1.07	–	0.70	-1.15	0.13	2.64	-2.95	1.15
Minimum	0.0010	0.0010	0.80	1.82	0.53	0.0005	61.00	0.06	0.000010	0.005
Maximum	0.0010	0.0010	1.00	1.82	1.01	0.0005	82.00	0.29	0.00005	0.005
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	0	0	13	0	-15	0	-39	-38	-17	0
80% confidence	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Skewness	-1.15	1.15	0.36	--	--	-0.07	-1.15	0.05	0.70	0.22	--
Minimum	0.008	0.01	8.20	0.14	2.00	1,460.00	0.0010	364.00	36.10	25.00	--
Maximum	0.008	0.01	8.70	0.14	2.00	1,720.00	0.0010	437.00	49.60	140.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	9	--	0	15	0	9	40	14	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.101	0.0000	0.020	0.006	0.062	--
K-2											
Mean	0.008	0.01	8.55	0.14	1.29	1,091.42	0.0010	276.50	41.35	12.08	--
UCL	0.008	0.01	8.64	--	1.53	1,121.11	0.0010	278.56	41.89	13.22	--
Median	0.008	0.01	8.55	0.14	1.00	1,110.00	0.0010	275.50	41.55	13.00	--
Standard Deviation	0.00	0.00000000000000000018	0.17	--	0.45	57.28	0.00000000000000000023	3.97	1.03	2.19	--
Coefficient of Variation	0.00	0.00000000000000000018	0.02	--	0.35	0.05	0.00000000000000000023	0.01	0.03	0.18	--
Skewness	--	1.15	-0.31	--	1.05	-2.18	-1.15	0.68	-0.47	-0.50	--
Minimum	0.008	0.01	8.20	0.14	1.00	937.00	0.0010	272.00	39.20	8.00	--
Maximum	0.008	0.01	8.80	0.14	2.00	1,150.00	0.0010	284.00	42.90	15.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	16	--	-23	15	0	-9	8	23	--
80% confidence	No Trend	No Trend	Positive Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0002	--	0.0000	0.020	0.0000	-0.002	0.0002	0.002	--
K-3											
Mean	0.008	0.01	6.97	0.03	5.13	1,982.50	0.0010	208.79	3.32	604.92	--
UCL	0.008	0.01	7.21	--	5.29	2,030.64	0.0010	215.50	3.42	628.07	--
Median	0.008	0.01	6.70	0.03	5.00	2,005.00	0.0010	208.50	3.31	600.00	--
Standard Deviation	0.00	0.00000000000000000018	0.47	--	0.31	92.85	0.00000000000000000023	12.94	0.20	44.65	--
Coefficient of Variation	0.00	0.00000000000000000018	0.07	--	0.06	0.05	0.00000000000000000023	0.06	0.06	0.07	--
Skewness	--	1.15	1.40	--	2.56	-2.25	-1.15	0.29	-0.37	0.06	--
Minimum	0.008	0.01	6.60	0.03	5.00	1,720.00	0.0010	186.00	2.92	520.00	--
Maximum	0.008	0.01	8.00	0.03	6.00	2,090.00	0.0010	234.00	3.59	690.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	0	-26	--	-19	21	0	-16	-18	44	--
80% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	Positive Trend	No Trend	Negative Trend	Negative Trend	Positive Trend	--
90% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	No Trend	Positive Trend	--
95% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
Sen Slope	0.0000	0.0000	-0.0009	--	0.0000	0.078	0.0000	-0.018	-0.0003	0.107	--
K-4											
Mean	0.008	0.01	8.61	0.13	1.04	1,051.58	0.0010	254.67	41.22	121.42	--
UCL	0.008	0.01	8.67	--	1.12	1,076.81	0.0010	258.03	42.89	126.66	--
Median	0.008	0.01	8.60	0.13	1.00	1,065.00	0.0010	253.00	41.45	120.00	--
Standard Deviation	0.0006	0.00000000000000000018	0.12	--	0.14	48.66	0.00000000000000000023	6.49	3.22	10.11	--
Coefficient of Variation	0.07	0.00000000000000000018	0.01	--	0.14	0.05	0.00000000000000000023	0.03	0.08	0.08	--
Skewness	3.46	1.15	0.16	--	3.46	-2.62	-1.15	0.62	-2.14	-0.37	--
Minimum	0.008	0.01	8.40	0.13	1.00	909.00	0.0010	245.00	32.20	100.00	--
Maximum	0.01	0.01	8.80	0.13	1.50	1,100.00	0.0010	268.00	44.50	140.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	0	11	--	-11	13	0	-4	22	24	--
80% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	Positive Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	Positive Trend	Positive Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.014	0.0000	-0.0006	0.003	0.012	--
K-5											
Mean	0.008	0.20	8.07	0.12	2.00	1,257.50	0.0010	323.04	43.40	1.50	--
UCL	0.008	0.55	8.19	--	2.00	1,282.33	0.0010	328.55	44.34	2.07	--
Median	0.008	0.01	8.10	0.12	2.00	1,275.00	0.0010	322.50	43.55	1.18	--
Standard Deviation	0.00000000000000000018	0.67	0.23	--	0.00	47.89	0.00000000000000000023	10.62	1.82	1.10	--
Coefficient of Variation	0.00000000000000000023	3.29	0.03	--	0.00	0.04	0.00000000000000000023	0.03	0.04	0.73	--
Skewness	-1.15	3.46	0.86	--	--	-0.95	-1.15	0.16	-1.48	3.46	--
Minimum	0.008	0.01	7.80	0.12	2.00	1,170.00	0.0010	308.50	38.70	1.18	--
Maximum	0.008	2.32	8.60	0.12	2.00	1,320.00	0.0010	339.00	46.00	5.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	0	5	-5	--	0	3	0	32	13	-1	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.017	0.001	0.0000	--
K-6											
Mean	0.008	0.01	7.65	0.04	6.67	3,200.83	0.0010	633.83	12.63	917.50	--
UCL	0.008	0.01	7.81	--	7.07	3,310.07	0.0010	657.32	12.85	982.49	--
Median	0.008	0.01	7.60	0.04	6.50	3,120.00	0.0010	616.00	12.50	885.00	--
Standard Deviation	0.0006	0.00000000000000000018	0.30	--	0.78	210.69	0.00000000000000000023	45.31	0.44	125.34	--
Coefficient of Variation	0.07	0.00000000000000000018	0.04	--	0.12	0.07	0.00000000000000000023	0.07	0.03	0.14	--
Skewness	3.46	1.15	1.75	--	0.72	0.60	-1.15	0.57	0.41	1.25	--
Minimum	0.008	0.01	7.30	0.04	6.00	2,920.00	0.0010	575.00	12.10	750.00	--
Maximum	0.01	0.01	8.40	0.04	8.00	3,520.00	0.0010	721.00	13.40	1,200.00	--
Count (n)	12	12	12	1	12	12	12	12	12	12	--
Mann-Kendall S	-11	0	-34	--	-32	-34	0	-41	-1	-38	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Skewness	0.33	--	-1.21	--	--	--	--	1.15
Minimum	896.00	--	750.00	0.63	--	--	0.08	0.010
Maximum	1,090.00	--	860.00	0.63	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	0	--	2	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	0.0000	--	--	--	0.0000	0.0000
K-2								
Mean	672.00	--	608.67	0.30	--	--	0.08	0.010
UCL	680.79	--	621.01	--	--	--	0.08	0.010
Median	665.50	--	615.00	0.30	--	--	0.08	0.010
Standard Deviation	16.96	--	23.81	--	--	--	0.00	0.0000000000000000018
Coefficient of Variation	0.03	--	0.04	--	--	--	0.00	0.0000000000000000019
Skewness	0.69	--	-0.46	--	--	--	--	1.15
Minimum	650.00	--	560.00	0.30	--	--	0.08	0.010
Maximum	700.00	--	650.00	0.30	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-17	--	-1	--	--	--	0	0
80% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.012	--	0.0000	--	--	--	0.0000	0.0000
K-3								
Mean	1,401.67	--	601.25	0.32	--	--	0.08	0.01
UCL	1,429.09	--	614.43	--	--	--	0.08	0.01
Median	1,395.00	--	607.50	0.32	--	--	0.08	0.009
Standard Deviation	52.89	--	25.42	--	--	--	0.00	0.004
Coefficient of Variation	0.04	--	0.04	--	--	--	0.00	0.42
Skewness	-0.18	--	-0.57	--	--	--	--	3.46
Minimum	1,330.00	--	550.00	0.32	--	--	0.08	0.009
Maximum	1,480.00	--	640.00	0.32	--	--	0.08	0.03
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-1	--	-21	--	--	--	0	-11
80% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	Negative Trend
90% confidence	No Trend	--	Negative Trend	--	--	--	No Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.0000	--	-0.040	--	--	--	0.0000	0.0000
K-4								
Mean	648.67	--	438.33	0.46	--	--	0.08	0.010
UCL	664.78	--	447.40	--	--	--	0.08	0.010
Median	654.50	--	445.00	0.46	--	--	0.08	0.010
Standard Deviation	31.07	--	17.49	--	--	--	0.007	0.0000000000000000018
Coefficient of Variation	0.05	--	0.04	--	--	--	0.09	0.0000000000000000019
Skewness	-1.49	--	-1.04	--	--	--	3.46	1.15
Minimum	572.00	--	400.00	0.46	--	--	0.08	0.010
Maximum	694.00	--	460.00	0.46	--	--	0.10	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-4	--	-4	--	--	--	-11	0
80% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.006	--	0.0000	--	--	--	0.0000	0.0000
K-5								
Mean	776.42	--	728.33	0.22	--	--	0.08	0.010
UCL	791.53	--	743.46	--	--	--	0.08	0.010
Median	778.00	--	730.00	0.22	--	--	0.08	0.010
Standard Deviation	29.15	--	29.18	--	--	--	0.00	0.0000000000000000018
Coefficient of Variation	0.04	--	0.04	--	--	--	0.00	0.0000000000000000019
Skewness	-0.73	--	-0.96	--	--	--	--	1.15
Minimum	715.00	--	670.00	0.22	--	--	0.08	0.010
Maximum	820.00	--	760.00	0.22	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	2	--	10	--	--	--	0	0
80% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	0.002	--	0.011	--	--	--	0.0000	0.0000
K-6								
Mean	2,215.83	--	915.33	0.90	--	--	0.08	0.010
UCL	2,302.23	--	938.05	--	--	--	0.08	0.010
Median	2,155.00	--	935.00	0.90	--	--	0.08	0.010
Standard Deviation	166.65	--	43.81	--	--	--	0.00	0.0000000000000000018
Coefficient of Variation	0.08	--	0.05	--	--	--	0.00	0.0000000000000000019
Skewness	0.94	--	-1.13	--	--	--	--	1.15
Minimum	2,050.00	--	830.00	0.90	--	--	0.08	0.010
Maximum	2,530.00	--	960.00	0.90	--	--	0.08	0.010
Count (n)	12	--	12	1	--	--	12	12
Mann-Kendall S	-36	--	-18	--	--	--	0	0
80% confidence	Negative Trend	--	Negative Trend	--	--	--	No Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
95% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.104	0.0000	0.0000	-0.033	0.0000	0.0000
P1										
Mean	18.30	0.003	0.06	0.0009	380.55	0.04	0.00009	98.50	4.94	7.32
UCL	49.26	0.004	0.09	0.0010	460.43	0.05	0.00011	151.19	8.13	10.74
Median	0.44	0.004	0.04	0.0010	360.00	0.04	0.00011	65.50	1.75	5.33
Standard Deviation	56.67	0.0017	0.04	0.00003	146.22	0.02	0.000028	96.45	5.84	6.26
Coefficient of Variation	3.10	0.54	0.68	0.04	0.38	0.47	0.30	0.98	1.18	0.86
Skewness	3.31	1.37	0.96	-0.48	-0.30	0.88	-0.79	2.00	1.67	2.05
Minimum	0.14	0.0010	0.02	0.0009	95.00	0.02	0.00005	15.00	1.75	1.00
Maximum	189.00	0.008	0.16	0.0010	590.00	0.08	0.00011	348.50	18.30	24.00
Count (n)	11	11	11	10	11	11	11	11	11	11
Mann-Kendall S	-11	-26	-23	-6	-17	-21	-11	-11	-9	-10
80% confidence	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0001	0.0000	-0.116	0.0000	0.0000	-0.035	0.0000	-0.004
P2										
Mean	0.30	0.0030	0.03	0.0010	420.00	0.28	0.00008	337.00	4.00	27.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.30	0.0030	0.03	0.0010	420.00	0.28	0.00008	337.00	4.00	27.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.30	0.0030	0.03	0.0010	420.00	0.28	0.00008	337.00	4.00	27.00
Maximum	0.30	0.0030	0.03	0.0010	420.00	0.28	0.00008	337.00	4.00	27.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
P3										
Mean	3.31	0.006	0.17	0.0012	177.27	0.06	0.00017	65.29	2.82	7.52
UCL	8.53	0.009	0.28	0.0013	226.67	0.08	0.0003	90.44	4.40	12.76
Median	0.23	0.0030	0.11	0.0013	160.00	0.06	0.00007	47.00	1.63	3.00
Standard Deviation	9.56	0.005	0.21	0.00017	90.42	0.03	0.00029	46.03	2.89	9.59
Coefficient of Variation	2.89	0.96	1.21	0.14	0.51	0.56	1.77	0.70	1.03	1.28
Skewness	3.30	2.33	2.96	-0.86	0.99	0.41	3.31	1.44	2.74	1.97
Minimum	0.23	0.0010	0.05	0.0009	66.00	0.02	0.00007	19.50	1.63	1.00
Maximum	32.10	0.02	0.77	0.0013	370.00	0.11	0.0011	174.00	11.00	30.00
Count (n)	11	11	11	9	11	11	11	11	11	11
Mann-Kendall S	12	13	1	-10	9	-16	15	-10	13	-22
80% confidence	Positive Trend	Positive Trend	No Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	Positive Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.049	0.0000	0.0000	-0.015	0.0000	-0.003
P4										
Mean	0.21	0.0024	0.08	0.0009	229.29	0.08	0.00007	96.64	2.43	5.00
UCL	0.24	0.0026	0.11	0.0010	362.03	0.12	0.00008	168.59	4.24	8.23
Median	0.21	0.0026	0.06	0.0010	180.00	0.05	0.00007	45.00	1.60	4.00
Standard Deviation	0.04	0.00029	0.05	0.000029	180.75	0.06	0.0000025	97.97	2.47	4.40
Coefficient of Variation	0.19	0.12	0.62	0.03	0.79	0.73	0.03	1.01	1.02	0.88
Skewness	0.86	-1.23	1.43	-1.23	1.14	1.08	2.65	1.22	2.60	0.86
Minimum	0.15	0.0020	0.04	0.0009	65.00	0.03	0.00007	15.50	1.00	1.00
Maximum	0.29	0.0026	0.17	0.0010	550.00	0.17	0.00008	263.00	8.00	12.00
Count (n)	7	7	7	7	7	7	7	7	7	7
Mann-Kendall S	-5	-6	-9	-6	-11	-14	2	-13	-7	-16
80% confidence	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0001	0.0000	-0.280	-0.0001	0.0000	-0.126	0.0000	-0.007
P5										
Mean	10.16	0.004	0.05	0.0010	190.46	0.06	0.00008	116.35	26.32	14.92
UCL	27.81	0.005	0.06	0.0010	251.52	0.08	0.00008	157.66	38.88	19.59
Median	0.36	0.0030	0.04	0.0010	150.00	0.05	0.00008	112.00	20.00	15.00
Standard Deviation	35.71	0.0020	0.03	0.00000000000000000011	123.54	0.04	0.000012	83.59	25.41	9.45
Coefficient of Variation	3.52	0.55	0.64	0.00000000000000000012	0.65	0.73	0.15	0.72	0.97	0.63
Skewness	3.61	1.66	2.65	1.15	0.21	1.95	-3.22	1.73	0.58	0.40
Minimum	0.02	0.0015	0.03	0.0010	28.00	0.02	0.00004	14.00	1.00	1.00
Maximum	129.00	0.008	0.14	0.0010	380.00	0.19	0.00009	346.00	76.00	33.00
Count (n)	13	13	13	12	13	13	13	13	13	13
Mann-Kendall S	-24	-13	-14	0	3	-20	16	-20	-12	11
80% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	No Trend
90% confidence	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0001	0.0000	0.0000	0.0000	0.009	0.0000	0.0000	-0.059	-0.012	0.008
P6										
Mean	0.23	0.0025	0.02	0.0009	630.00	0.46	0.00008	98.63	22.50	7.67
UCL	0.39	0.0027	0.02	0.0010	688.28	0.50	0.00008	118.89	33.89	9.09
Median	0.12	0.0023	0.02	0.0009	610.00	0.47	0.00007	100.50	12.50	7.00

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	-0.018	-0.0001	0.0000	0.0000
P1										
Mean	0.0021	0.005	0.39	--	2.04	0.0016	108.14	0.41	0.00004	0.005
UCL	0.0024	0.008	0.47	--	3.80	0.0019	166.68	0.60	0.00005	0.006
Median	0.0024	0.0020	0.40	--	0.82	0.0019	56.50	0.35	0.00006	0.005
Standard Deviation	0.0007	0.007	0.14	--	3.23	0.0007	107.15	0.35	0.000026	0.0009
Coefficient of Variation	0.33	1.43	0.35	--	1.58	0.42	0.99	0.86	0.63	0.17
Skewness	-1.13	2.95	-0.59	--	2.81	-1.08	1.08	1.27	-0.62	1.92
Minimum	0.0010	0.0013	0.10	--	0.29	0.00030	5.50	0.04	0.000006	0.004
Maximum	0.0027	0.02	0.61	--	11.31	0.0024	335.00	1.23	0.00006	0.008
Count (n)	11	11	11	--	11	11	11	11	11	11
Mann-Kendall S	-25	2	-10	--	-3	-26	-13	-9	-23	9
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0001	--	-0.0001	0.0000	-0.083	-0.0001	0.0000	0.0000
P2										
Mean	0.0010	0.005	0.40	--	0.30	0.0005	604.00	1.01	0.00005	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.005	0.40	--	0.30	0.0005	604.00	1.01	0.00005	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.005	0.40	--	0.30	0.0005	604.00	1.01	0.00005	0.005
Maximum	0.0010	0.005	0.40	--	0.30	0.0005	604.00	1.01	0.00005	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
P3										
Mean	0.007	0.01	0.15	--	6.26	0.005	34.37	0.33	0.00005	0.005
UCL	0.02	0.02	0.17	--	15.59	0.01	50.23	0.62	0.00006	0.005
Median	0.0010	0.004	0.15	--	0.59	0.0006	21.50	0.16	0.00006	0.005
Standard Deviation	0.02	0.02	0.04	--	17.07	0.01	29.02	0.53	0.000018	0.0009
Coefficient of Variation	2.66	2.20	0.29	--	2.73	2.62	0.84	1.59	0.33	0.19
Skewness	3.31	3.30	0.19	--	3.28	3.27	1.13	2.95	-2.49	-1.58
Minimum	0.0010	0.0015	0.10	--	0.19	0.0005	6.50	0.02	0.000006	0.0025
Maximum	0.06	0.08	0.20	--	57.55	0.05	93.50	1.88	0.00007	0.007
Count (n)	11	11	11	--	11	11	11	11	10	11
Mann-Kendall S	21	19	20	--	17	8	-15	11	-9	15
80% confidence	Positive Trend	Positive Trend	Positive Trend	--	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	Positive Trend
90% confidence	Positive Trend	Positive Trend	Positive Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend
95% confidence	Positive Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0009	0.0000	-0.015	0.0001	0.0000	0.0000
P4										
Mean	0.0011	0.0020	0.17	--	0.54	0.0005	68.86	0.24	0.00004	0.005
UCL	0.0011	0.0030	0.24	--	0.80	0.0005	129.62	0.45	0.00005	0.005
Median	0.0011	0.0014	0.10	--	0.50	0.0005	23.50	0.13	0.00005	0.005
Standard Deviation	0.000031	0.0014	0.10	--	0.36	0.000015	82.74	0.28	0.000021	0.00
Coefficient of Variation	0.03	0.70	0.55	--	0.66	0.03	1.20	1.17	0.56	0.00
Skewness	-2.65	2.12	0.76	--	0.26	-1.23	1.23	1.85	-1.23	--
Minimum	0.0010	0.0010	0.10	--	0.09	0.0005	7.00	0.02	0.000006	0.005
Maximum	0.0011	0.005	0.30	--	1.02	0.0005	204.00	0.83	0.00005	0.005
Count (n)	7	7	7	--	7	7	7	7	7	7
Mann-Kendall S	-2	-1	-10	--	5	-6	-13	-9	-11	0
80% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0002	--	0.0003	0.0000	-0.071	-0.0002	0.0000	0.0000
P5										
Mean	0.0014	0.004	0.23	--	0.49	0.0006	172.27	0.13	0.00004	0.007
UCL	0.0016	0.006	0.28	--	0.79	0.0008	222.91	0.23	0.00005	0.009
Median	0.0014	0.0025	0.30	--	0.23	0.0006	183.50	0.03	0.00005	0.005
Standard Deviation	0.0004	0.004	0.10	--	0.61	0.00031	102.46	0.19	0.000020	0.004
Coefficient of Variation	0.32	0.89	0.44	--	1.25	0.48	0.59	1.41	0.54	0.62
Skewness	1.67	2.26	-0.04	--	1.89	2.35	-0.19	1.72	-0.95	2.72
Minimum	0.0010	0.0013	0.10	--	0.05	0.0004	8.50	0.006	0.000007	0.005
Maximum	0.0025	0.01	0.40	--	1.89	0.0015	310.50	0.55	0.00005	0.02
Count (n)	13	13	13	--	13	13	13	13	13	13
Mann-Kendall S	-13	-21	-18	--	-9	-14	8	12	-22	-8
80% confidence	No Trend	Negative Trend	Negative Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.033	0.0000	0.0000	0.0000
P6										
Mean	0.0011	0.0012	0.56	--	0.29	0.0005	211.58	0.11	0.00005	0.005
UCL	0.0012	0.0013	0.60	--	0.38	0.0006	221.84	0.19	0.00005	0.005
Median	0.0011	0.0012	0.60	--	0.30	0.0005	212.00	0.07	0.00005	0.005

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
95% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	Negative Trend	--	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	-0.0005	--	-0.002	-0.520	0.0000	-0.116	0.0000	-0.226	--
P1											
Mean	0.01	0.09	7.90	0.09	19.59	3,579.55	0.0016	670.68	10.68	1,800.27	--
UCL	0.02	0.18	8.12	0.48	28.61	5,093.47	0.0024	960.92	13.16	2,776.40	--
Median	0.01	0.01	8.00	0.09	13.50	2,460.00	0.0010	425.50	10.20	880.00	--
Standard Deviation	0.008	0.15	0.40	0.09	16.50	2,771.03	0.0014	531.24	4.55	1,786.68	--
Coefficient of Variation	0.70	1.61	0.05	0.99	0.84	0.77	0.87	0.79	0.43	0.99	--
Skewness	1.49	1.89	0.33	--	1.44	0.83	2.50	0.70	-0.17	1.08	--
Minimum	0.0030	0.01	7.40	0.03	4.00	315.00	0.0010	39.50	2.18	72.00	--
Maximum	0.03	0.44	8.70	0.15	55.50	8,910.00	0.006	1,580.00	17.40	5,500.00	--
Count (n)	11	10	11	2	11	11	11	11	11	11	--
Mann-Kendall S	-24	-14	-14	--	-11	-15	-7	-15	-21	-13	--
80% confidence	Negative Trend	Negative Trend	Negative Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0004	--	-0.005	-2.468	0.0000	-0.416	-0.004	-1.327	--
P2											
Mean	0.02	0.01	8.00	0.05	26.00	12,300.00	0.004	2,245.00	16.80	8,000.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.01	8.00	0.05	26.00	12,300.00	0.004	2,245.00	16.80	8,000.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.01	8.00	0.05	26.00	12,300.00	0.004	2,245.00	16.80	8,000.00	--
Maximum	0.02	0.01	8.00	0.05	26.00	12,300.00	0.004	2,245.00	16.80	8,000.00	--
Count (n)	1	1	1	1	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
P3											
Mean	0.02	0.14	7.86	0.14	34.82	887.00	0.0010	103.95	1.85	334.41	--
UCL	0.03	0.24	8.16	0.80	60.04	1,306.72	0.0011	163.62	2.77	578.59	--
Median	0.01	0.09	8.00	0.14	18.50	446.00	0.0011	67.00	1.07	100.00	--
Standard Deviation	0.02	0.19	0.54	0.15	46.16	768.24	0.00004	109.20	1.69	446.94	--
Coefficient of Variation	1.30	1.38	0.07	1.04	1.33	0.87	0.03	1.05	0.91	1.34	--
Skewness	3.19	2.35	-0.15	--	2.91	1.29	-0.66	1.34	1.62	1.35	--
Minimum	0.0020	0.01	7.10	0.04	7.00	201.00	0.0010	8.00	0.42	7.00	--
Maximum	0.08	0.66	8.60	0.25	169.00	2,400.00	0.0011	354.00	6.02	1,200.00	--
Count (n)	11	11	11	2	11	11	11	11	11	11	--
Mann-Kendall S	9	5	-3	--	-16	-17	-6	-31	-20	-19	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0005	--	-0.019	-0.756	0.0000	-0.143	-0.002	-0.249	--
P4											
Mean	0.008	0.06	7.56	0.06	12.29	1,380.57	0.0011	166.36	2.60	685.00	--
UCL	0.009	0.13	7.94	0.08	15.80	2,366.13	0.0014	312.64	3.97	1,300.63	--
Median	0.008	0.01	7.50	0.06	12.00	759.00	0.0010	73.50	2.11	240.00	--
Standard Deviation	0.0012	0.09	0.53	0.005	4.79	1,342.02	0.0004	199.18	1.87	838.29	--
Coefficient of Variation	0.15	1.51	0.07	0.08	0.39	0.97	0.33	1.20	0.72	1.22	--
Skewness	-1.23	1.86	0.31	--	-0.04	1.14	2.65	1.22	0.93	1.19	--
Minimum	0.006	0.01	6.90	0.06	6.00	205.00	0.0010	12.50	0.67	45.00	--
Maximum	0.008	0.25	8.40	0.06	18.00	3,580.00	0.0020	494.50	5.50	2,000.00	--
Count (n)	7	7	7	2	7	7	7	7	7	7	--
Mann-Kendall S	-6	-5	-5	--	-17	-13	-6	-13	-9	-13	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0007	--	-0.011	-2.368	0.0000	-0.261	-0.003	-0.833	--
P5											
Mean	0.009	0.14	8.72	0.01	31.38	5,348.85	0.0019	1,069.00	13.96	3,006.92	--
UCL	0.01	0.34	9.21	0.03	57.50	6,799.94	0.0028	1,406.73	17.61	3,891.21	--
Median	0.010	0.01	8.70	0.01	18.00	6,370.00	0.0013	1,300.00	13.90	3,700.00	--
Standard Deviation	0.0027	0.39	1.00	0.0028	52.85	2,936.03	0.0017	683.33	7.38	1,789.20	--
Coefficient of Variation	0.30	2.75	0.11	0.20	1.68	0.55	0.87	0.64	0.53	0.60	--
Skewness	-0.25	3.48	0.12	--	3.51	-0.45	2.70	-0.06	-0.08	-0.48	--
Minimum	0.0025	0.01	7.20	0.01	6.00	365.00	0.0010	43.00	2.24	110.00	--
Maximum	0.02	1.44	10.50	0.02	206.00	9,610.00	0.007	2,230.00	23.80	5,400.00	--
Count (n)	13	13	13	2	13	13	13	13	13	13	--
Mann-Kendall S	-29	-4	-1	--	-14	4	-15	-2	-6	-7	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	-0.009	0.098	0.0000	-0.072	-0.002	-0.331	--
P6											
Mean	0.008	0.01	8.18	0.03	15.71	3,149.17	0.0010	398.63	5.21	1,400.00	--
UCL	0.009	0.01	8.35	0.05	16.99	3,279.57	0.0011	420.57	5.50	1,462.53	--
Median	0.007	0.01	8.30	0.03	15.50	3,180.00	0.0010	398.50	5.05	1,400.00	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
95% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	Negative Trend	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	-0.306	--	-0.030	--	--	--	0.0000	0.0000
P1								
Mean	2,821.09	5.00	324.36	0.05	158.17	80.68	0.07	0.01
UCL	4,113.30	--	393.09	0.05	365.11	174.54	0.08	0.02
Median	1,800.00	5.00	290.00	0.05	20.00	15.10	0.09	0.02
Standard Deviation	2,365.23	--	125.80	0.00	378.77	171.80	0.03	0.004
Coefficient of Variation	0.84	--	0.39	0.00	2.39	2.13	0.44	0.25
Skewness	1.01	--	-0.47	--	3.12	3.13	-1.07	-0.79
Minimum	218.00	5.00	78.00	0.05	4.00	5.30	0.006	0.009
Maximum	7,890.00	5.00	480.00	0.05	1,280.00	590.00	0.09	0.02
Count (n)	11	1	11	2	11	11	11	11
Mann-Kendall S	-17	--	-18	--	-15	1	-5	-9
80% confidence	Negative Trend	--	Negative Trend	--	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-2.293	--	-0.153	--	-0.013	0.0000	0.0000	0.0000
P2								
Mean	11,600.00	--	340.00	0.10	320.00	351.00	0.10	0.01
UCL	--	--	--	--	--	--	--	--
Median	11,600.00	--	340.00	0.10	320.00	351.00	0.10	0.01
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	11,600.00	--	340.00	0.10	320.00	351.00	0.10	0.01
Maximum	11,600.00	--	340.00	0.10	320.00	351.00	0.10	0.01
Count (n)	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
P3								
Mean	722.55	5.00	152.55	0.16	1,700.82	941.05	0.08	0.04
UCL	1,096.94	--	194.40	0.85	4,636.44	2,573.70	0.10	0.08
Median	414.00	5.00	130.00	0.16	43.00	32.80	0.09	0.01
Standard Deviation	685.28	--	76.61	0.16	5,373.26	2,988.36	0.03	0.08
Coefficient of Variation	0.95	--	0.50	0.97	3.16	3.18	0.35	2.28
Skewness	1.41	--	0.76	--	3.32	3.31	-2.53	3.31
Minimum	131.00	5.00	54.00	0.05	12.00	6.70	0.0017	0.009
Maximum	2,180.00	5.00	310.00	0.27	17,900.00	9,950.00	0.10	0.29
Count (n)	11	1	11	2	11	11	11	11
Mann-Kendall S	-15	--	6	--	21	21	-7	13
80% confidence	Negative Trend	--	No Trend	--	Positive Trend	Positive Trend	No Trend	Positive Trend
90% confidence	No Trend	--	No Trend	--	Positive Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.440	--	0.029	--	0.103	0.029	0.0000	0.0000
P4								
Mean	1,253.14	--	189.71	0.05	71.71	24.39	0.07	0.01
UCL	2,306.83	--	299.71	0.05	151.46	42.29	0.08	0.01
Median	489.00	--	150.00	0.05	21.00	15.70	0.08	0.01
Standard Deviation	1,434.79	--	149.77	0.00	108.59	24.38	0.01	0.00026
Coefficient of Variation	1.14	--	0.79	0.00	1.51	1.00	0.18	0.03
Skewness	1.23	--	1.09	--	1.82	0.88	-1.23	-2.27
Minimum	118.00	--	53.00	0.05	4.00	2.10	0.06	0.010
Maximum	3,650.00	--	450.00	0.05	292.00	59.00	0.08	0.01
Count (n)	7	--	7	2	7	7	7	7
Mann-Kendall S	-13	--	-11	--	9	9	-6	-7
80% confidence	Negative Trend	--	Negative Trend	--	Positive Trend	Positive Trend	No Trend	Negative Trend
90% confidence	Negative Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-1.585	--	-0.240	--	0.026	0.019	0.0000	0.0000
P5								
Mean	4,427.46	5.00	201.31	0.05	60.92	20.20	0.07	0.02
UCL	5,637.79	--	248.24	0.05	97.98	28.99	0.08	0.02
Median	5,240.00	5.00	180.00	0.05	24.00	17.05	0.07	0.01
Standard Deviation	2,448.89	--	94.97	0.00	74.99	16.96	0.02	0.01
Coefficient of Variation	0.55	--	0.47	0.00	1.23	0.84	0.30	0.83
Skewness	-0.56	--	0.33	--	1.26	0.56	-2.87	2.27
Minimum	240.00	5.00	59.00	0.05	4.97	0.90	0.004	0.01
Maximum	7,730.00	5.00	350.00	0.05	210.00	52.40	0.09	0.05
Count (n)	13	1	13	2	13	12	13	13
Mann-Kendall S	0	--	0	--	19	30	2	-5
80% confidence	No Trend	--	No Trend	--	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.114	--	-0.007	--	0.029	0.019	0.0000	0.0000
P6								
Mean	2,482.50	--	554.17	0.05	25.83	13.00	0.08	0.01
UCL	2,578.43	--	598.18	0.05	43.62	21.50	0.08	0.01
Median	2,445.00	--	545.00	0.05	10.00	3.10	0.08	0.01

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Standard Deviation	0.30	0.00030	0.01	0.000027	112.41	0.07	0.0000021	39.08	21.97	2.74
Coefficient of Variation	1.32	0.12	0.63	0.03	0.18	0.16	0.03	0.40	0.98	0.36
Skewness	2.97	1.33	1.23	1.92	1.31	-0.09	2.06	-0.29	0.46	0.77
Minimum	0.10	0.0023	0.008	0.0009	510.00	0.34	0.00007	36.00	1.00	3.00
Maximum	1.15	0.0030	0.05	0.0010	910.00	0.58	0.00008	163.50	53.00	14.00
Count (n)	12	12	12	11	12	12	12	12	12	12
Mann-Kendall S	4	5	30	2	5	4	4	12	-1	-1
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.019	0.0000	0.0000
SECTION 33 SPRING										
Mean	0.10	0.0030	0.27	0.0010	1,300.00	0.32	0.00008	3.75	41.50	190.00
UCL	0.10	0.0030	0.27	0.0010	1,300.00	0.40	0.00008	5.33	69.91	190.00
Median	0.10	0.0030	0.27	0.0010	1,300.00	0.32	0.00008	3.75	41.50	190.00
Standard Deviation	0.00	0.00	0.0004	0.00	0.00	0.02	0.00	0.35	6.36	0.00
Coefficient of Variation	0.00	0.00	0.0013	0.00	0.00	0.05	0.00	0.09	0.15	0.00
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.10	0.0030	0.27	0.0010	1,300.00	0.31	0.00008	3.50	37.00	190.00
Maximum	0.10	0.0030	0.27	0.0010	1,300.00	0.34	0.00008	4.00	46.00	190.00
Count (n)	2	2	2	2	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-1										
Mean	5.56	0.006	0.13	0.0011	91.00	0.08	0.00022	18.13	1.75	8.25
UCL	18.26	0.01	0.30	0.0013	205.48	0.16	0.0004	33.59	1.75	23.05
Median	0.20	0.0030	0.08	0.0011	65.00	0.06	0.00023	20.00	1.75	2.50
Standard Deviation	10.79	0.007	0.15	0.00014	97.30	0.07	0.00013	13.14	0.00	12.58
Coefficient of Variation	1.94	1.04	1.18	0.13	1.07	0.93	0.59	0.73	0.00	1.52
Skewness	2.00	2.00	1.54	-0.000000000000005	1.43	1.33	-0.06	-0.51	--	1.93
Minimum	0.10	0.0030	0.010	0.0010	4.00	0.01	0.00009	2.00	1.75	1.00
Maximum	21.75	0.02	0.34	0.0013	230.00	0.18	0.0003	30.50	1.75	27.00
Count (n)	4	4	4	4	4	4	4	4	4	4
Mann-Kendall S	5	3	4	0	0	2	-1	4	0	-1
80% confidence	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-10										
Mean	0.69	0.0029	0.09	0.0010	170.50	0.05	0.00008	89.94	1.38	14.38
UCL	1.02	0.003	0.12	0.0010	248.56	0.06	0.00009	141.42	1.38	21.67
Median	0.83	0.0027	0.08	0.0010	140.00	0.05	0.00008	60.50	1.38	11.00
Standard Deviation	0.49	0.0006	0.03	0.000015	116.51	0.02	0.000009	76.84	0.00	10.89
Coefficient of Variation	0.71	0.22	0.34	0.02	0.68	0.46	0.11	0.85	0.00	0.76
Skewness	0.28	2.66	1.18	1.44	2.48	0.33	2.82	1.89	--	0.49
Minimum	0.02	0.0027	0.06	0.0010	74.00	0.02	0.00008	36.00	1.38	4.00
Maximum	1.55	0.005	0.15	0.0010	450.00	0.08	0.00011	259.00	1.38	30.00
Count (n)	8	8	8	8	8	8	8	8	8	8
Mann-Kendall S	-9	9	10	8	-2	-9	9	-16	0	-21
80% confidence	Negative Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	Negative Trend	Positive Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
Sen Slope	-0.0009	0.0000	0.0000	0.0000	-0.007	0.0000	0.0000	-0.076	0.0000	-0.030
SW-11										
Mean	0.38	0.004	0.04	0.0010	773.33	0.36	0.00007	152.04	12.50	10.50
UCL	0.51	0.005	0.05	0.0010	837.19	0.39	0.00008	166.25	17.82	11.57
Median	0.59	0.0027	0.03	0.0010	735.00	0.35	0.00008	158.00	10.50	11.00
Standard Deviation	0.26	0.0030	0.02	0.00004	123.17	0.06	0.000011	27.40	10.26	2.07
Coefficient of Variation	0.68	0.83	0.42	0.04	0.16	0.17	0.16	0.18	0.82	0.20
Skewness	-0.42	3.28	1.71	-0.39	2.08	0.04	-0.39	-1.77	0.55	-0.44
Minimum	0.02	0.0025	0.02	0.0009	660.00	0.25	0.00006	79.00	2.50	7.00
Maximum	0.59	0.01	0.08	0.0010	1,100.00	0.46	0.00008	193.00	32.00	14.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-34	-25	-3	-35	-16	-10	-35	17	26	-26
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	Positive Trend	Negative Trend
90% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend
95% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend
99% confidence	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0005	0.0000	0.0000	0.0000	-0.077	-0.0001	0.0000	0.009	0.011	-0.004
SW-12										
Mean	0.15	0.0029	0.05	0.0010	582.86	0.28	0.00008	148.64	5.57	11.00
UCL	0.24	0.003	0.08	0.0010	741.20	0.35	0.00009	175.44	10.74	14.26
Median	0.10	0.0030	0.05	0.0010	700.00	0.31	0.00008	160.00	1.75	10.00
Standard Deviation	0.12	0.0007	0.03	0.000027	215.62	0.09	0.000017	36.49	7.04	4.43
Coefficient of Variation	0.84	0.24	0.66	0.03	0.37	0.32	0.22	0.25	1.26	0.40
Skewness	1.79	0.17	2.06	0.37	-1.21	-0.68	1.38	-2.49	2.31	0.45
Minimum	0.02	0.0020	0.02	0.0010	220.00	0.13	0.00006	67.00	1.75	4.00
Maximum	0.40	0.004	0.13	0.0010	750.00	0.41	0.00011	174.00	21.00	19.00
Count (n)	7	7	7	7	7	7	7	7	7	7
Mann-Kendall S	-1	-4	-3	-12	0	6	-9	-5	3	-3

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Standard Deviation	0.00013	0.00013	0.08	--	0.18	0.00009	19.77	0.15	0.0000020	0.000000000000000009
Coefficient of Variation	0.11	0.10	0.14	--	0.61	0.16	0.09	1.32	0.04	0.000000000000000018
Skewness	2.69	0.37	-0.33	--	1.21	2.99	0.48	2.44	1.33	1.15
Minimum	0.0010	0.0010	0.40	--	0.06	0.0005	180.50	0.009	0.00005	0.005
Maximum	0.0015	0.0015	0.70	--	0.71	0.0008	247.50	0.55	0.00005	0.005
Count (n)	12	12	12	--	12	12	12	12	12	12
Mann-Kendall S	3	3	1	--	-5	4	17	4	5	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.012	0.0000	0.0000	0.0000
SECTION 33 SPRING										
Mean	0.0010	0.0010	5.00	--	0.05	0.0005	1.00	0.005	0.00005	0.005
UCL	0.0010	0.0010	5.00	--	0.05	0.0005	1.00	0.005	0.00005	0.005
Median	0.0010	0.0010	5.00	--	0.05	0.0005	1.00	0.005	0.00005	0.005
Standard Deviation	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	0.00
Coefficient of Variation	0.00	0.00	0.00	--	0.00	0.00	0.00	0.00	0.00	0.00
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	5.00	--	0.05	0.0005	1.00	0.005	0.00005	0.005
Maximum	0.0010	0.0010	5.00	--	0.05	0.0005	1.00	0.005	0.00005	0.005
Count (n)	2	2	2	--	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-1										
Mean	0.01	0.01	1.75	--	8.09	0.006	7.75	0.26	0.00008	0.005
UCL	0.03	0.03	4.36	--	26.49	0.01	14.55	0.67	0.00012	0.005
Median	0.0010	0.008	0.95	--	0.39	0.006	8.25	0.11	0.00008	0.005
Standard Deviation	0.02	0.02	2.22	--	15.64	0.006	5.78	0.35	0.00003	0.00014
Coefficient of Variation	1.80	1.19	1.27	--	1.93	1.03	0.75	1.36	0.41	0.03
Skewness	2.00	1.64	1.72	--	2.00	-0.00005	-0.30	1.84	0.08	0.00
Minimum	0.0010	0.0010	0.10	--	0.05	0.0007	1.00	0.03	0.00005	0.005
Maximum	0.04	0.04	5.00	--	31.55	0.01	13.50	0.78	0.00011	0.005
Count (n)	4	4	4	--	4	4	4	4	4	4
Mann-Kendall S	3	4	-6	--	6	-1	4	4	1	0
80% confidence	No Trend	Positive Trend	Negative Trend	--	Positive Trend	No Trend	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-10										
Mean	0.0019	0.006	0.23	--	1.24	0.0011	44.81	0.27	0.00004	0.005
UCL	0.0027	0.008	0.31	--	2.21	0.0018	85.32	0.49	0.00006	0.005
Median	0.0016	0.005	0.20	--	0.60	0.0006	19.25	0.16	0.00005	0.005
Standard Deviation	0.0013	0.003	0.13	--	1.45	0.0010	60.45	0.33	0.000016	0.00
Coefficient of Variation	0.69	0.57	0.57	--	1.17	0.89	1.35	1.19	0.36	0.00
Skewness	2.57	1.34	0.47	--	1.44	1.44	2.30	1.61	-2.83	--
Minimum	0.0010	0.0020	0.10	--	0.05	0.0006	7.00	0.01	0.000005	0.005
Maximum	0.005	0.01	0.40	--	4.18	0.0028	186.00	0.95	0.00005	0.005
Count (n)	8	8	8	--	8	8	8	8	8	8
Mann-Kendall S	7	-12	-3	--	0	4	-18	6	-7	0
80% confidence	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	-0.030	0.0001	0.0000	0.0000
SW-11										
Mean	0.0015	0.0015	0.53	--	0.72	0.0007	197.83	0.49	0.00004	0.005
UCL	0.0017	0.0016	0.58	--	1.45	0.0008	211.16	0.82	0.00005	0.005
Median	0.0019	0.0017	0.50	--	0.34	0.0008	188.25	0.22	0.00005	0.005
Standard Deviation	0.0004	0.0003	0.09	--	1.42	0.00022	25.71	0.64	0.000009	0.000000000000000009
Coefficient of Variation	0.29	0.23	0.17	--	1.97	0.33	0.13	1.32	0.22	0.000000000000000018
Skewness	-0.39	-0.81	0.14	--	3.41	-0.39	1.28	2.14	-0.39	1.15
Minimum	0.0010	0.0010	0.40	--	0.09	0.0004	165.00	0.01	0.00003	0.005
Maximum	0.0019	0.0017	0.70	--	5.20	0.0008	251.50	2.21	0.00005	0.005
Count (n)	12	12	12	--	12	12	12	12	12	12
Mann-Kendall S	-35	-26	-5	--	-8	-35	-20	-16	-35	0
80% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Negative Trend	Negative Trend	Negative Trend	Negative Trend	No Trend
90% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend	No Trend
95% confidence	Negative Trend	Negative Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	-0.014	-0.0004	0.0000	0.0000
SW-12										
Mean	0.0010	0.0017	0.51	--	0.44	0.0005	175.71	0.25	0.00004	0.005
UCL	0.0010	0.0027	0.64	--	0.78	0.0005	218.33	0.40	0.00005	0.005
Median	0.0010	0.0010	0.50	--	0.32	0.0005	186.50	0.22	0.00005	0.005
Standard Deviation	0.00	0.0013	0.18	--	0.45	0.00006	58.04	0.20	0.000008	0.00
Coefficient of Variation	0.00	0.75	0.34	--	1.02	0.11	0.33	0.80	0.18	0.00
Skewness	--	2.21	2.22	--	2.54	-0.37	-2.13	0.24	-0.37	--
Minimum	0.0010	0.0010	0.40	--	0.16	0.0004	50.00	0.02	0.00004	0.005
Maximum	0.0010	0.005	0.90	--	1.47	0.0005	232.50	0.54	0.00005	0.005
Count (n)	7	7	7	--	7	7	7	7	7	7
Mann-Kendall S	0	-5	-13	--	-2	-12	-3	-3	-12	0

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Standard Deviation	0.0012	0.004	0.32	0.005	2.47	251.52	0.00014	42.32	0.56	120.60	--
Coefficient of Variation	0.15	0.33	0.04	0.19	0.16	0.08	0.14	0.11	0.11	0.09	--
Skewness	1.33	2.06	-0.32	--	1.14	-0.14	3.46	0.04	1.37	1.49	--
Minimum	0.007	0.01	7.70	0.02	12.50	2,750.00	0.0010	315.50	4.42	1,300.00	--
Maximum	0.01	0.02	8.60	0.03	21.50	3,620.00	0.0015	473.50	6.57	1,700.00	--
Count (n)	12	12	12	2	12	12	12	12	12	12	--
Mann-Kendall S	5	-8	-11	--	-4	17	-3	14	-10	11	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	-0.0003	0.265	0.0000	0.023	-0.0003	0.0000	--
SECTION 33 SPRING											
Mean	0.01	0.01	8.35	0.02	2.50	2,320.00	0.0010	582.00	68.75	3.00	--
UCL	0.01	0.01	9.93	--	5.66	2,825.12	0.0010	660.93	70.96	3.00	--
Median	0.01	0.01	8.35	0.02	2.50	2,320.00	0.0010	582.00	68.75	3.00	--
Standard Deviation	0.00	0.00	0.35	--	0.71	113.14	0.00	17.68	0.49	0.00	--
Coefficient of Variation	0.00	0.00	0.04	--	0.28	0.05	0.00	0.03	0.007	0.00	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	0.01	8.10	0.02	2.00	2,240.00	0.0010	569.50	68.40	3.00	--
Maximum	0.01	0.01	8.60	0.02	3.00	2,400.00	0.0010	594.50	69.10	3.00	--
Count (n)	2	2	2	1	2	2	2	2	2	2	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
SW-1											
Mean	0.02	0.10	6.55	0.05	18.13	237.00	0.0010	3.50	0.15	8.25	11.00
UCL	0.04	0.18	7.57	--	43.70	514.76	0.0010	5.89	0.32	20.86	--
Median	0.01	0.08	6.70	0.05	10.75	164.00	0.0010	2.75	0.10	4.00	11.00
Standard Deviation	0.02	0.07	0.87	--	21.74	236.09	0.00	2.03	0.15	10.72	--
Coefficient of Variation	0.86	0.74	0.13	--	1.20	1.00	0.00	0.58	0.96	1.30	--
Skewness	2.00	0.75	-0.83	--	1.72	1.62	--	1.61	1.45	1.77	--
Minimum	0.01	0.04	5.40	0.05	1.00	40.00	0.0010	2.00	0.05	1.00	11.00
Maximum	0.04	0.19	7.40	0.05	50.00	580.00	0.0010	6.50	0.36	24.00	11.00
Count (n)	4	4	4	1	4	4	4	4	4	4	1
Mann-Kendall S	3	1	4	--	0	2	0	-1	-1	0	--
80% confidence	No Trend	No Trend	Positive Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
SW-10											
Mean	0.009	0.85	7.39	--	17.31	980.75	0.0010	53.00	0.89	379.88	--
UCL	0.01	1.43	7.62	--	22.58	1,638.01	0.0010	105.91	1.49	727.94	--
Median	0.01	0.90	7.40	--	14.50	549.50	0.0010	16.00	0.52	160.00	--
Standard Deviation	0.0025	0.79	0.35	--	7.86	981.01	0.00	78.97	0.90	519.51	--
Coefficient of Variation	0.27	0.94	0.05	--	0.45	1.00	0.00	1.49	1.01	1.37	--
Skewness	-2.83	0.64	0.49	--	2.42	1.90	--	2.00	1.48	1.83	--
Minimum	0.0030	0.05	7.00	--	12.00	299.00	0.0010	4.00	0.17	32.00	--
Maximum	0.01	2.19	8.00	--	36.00	3,140.00	0.0010	228.50	2.65	1,500.00	--
Count (n)	8	7	8	--	8	8	8	8	8	8	--
Mann-Kendall S	-7	1	-3	--	-15	-16	0	-16	-16	-16	--
80% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Negative Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	-0.007	-0.810	0.0000	-0.042	-0.0007	-0.323	--
SW-11											
Mean	0.009	0.08	8.11	0.05	15.83	3,459.17	0.0019	451.88	5.66	1,558.33	--
UCL	0.01	0.14	8.19	0.35	17.05	3,574.18	0.0022	485.34	5.98	1,639.44	--
Median	0.01	0.03	8.15	0.05	15.25	3,440.00	0.0020	427.75	5.46	1,500.00	--
Standard Deviation	0.0028	0.12	0.16	0.07	2.35	221.83	0.0006	64.54	0.63	156.43	--
Coefficient of Variation	0.32	1.46	0.02	1.26	0.15	0.06	0.32	0.14	0.11	0.10	--
Skewness	-2.06	2.48	-1.70	--	1.48	1.19	-0.16	1.14	1.10	1.01	--
Minimum	0.0025	0.01	7.70	0.006	13.00	3,150.00	0.0010	382.00	4.85	1,300.00	--
Maximum	0.01	0.42	8.30	0.10	21.00	3,990.00	0.0030	566.50	6.88	1,900.00	--
Count (n)	12	12	12	2	12	12	12	12	12	12	--
Mann-Kendall S	-21	14	-10	--	4	-23	12	-27	-37	-10	--
80% confidence	Negative Trend	Positive Trend	No Trend	--	No Trend	Negative Trend	Positive Trend	Negative Trend	Negative Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	--
Sen Slope	0.0000	0.0001	0.0000	--	0.0000	-0.231	0.0000	-0.073	-0.0009	0.0000	--
SW-12											
Mean	0.009	0.14	7.90	0.17	17.86	3,175.71	0.0023	389.86	4.99	1,437.14	--
UCL	0.01	0.26	8.10	--	25.14	3,597.09	0.0028	478.01	5.74	1,769.10	--
Median	0.01	0.06	8.00	0.17	14.50	3,390.00	0.0025	426.00	5.48	1,500.00	--
Standard Deviation	0.0026	0.16	0.27	--	9.92	573.78	0.0006	120.04	1.02	452.02	--
Coefficient of Variation	0.29	1.15	0.03	--	0.56	0.18	0.28	0.31	0.21	0.31	--
Skewness	-2.65	1.20	-0.56	--	2.48	-2.44	-1.58	-2.34	-2.39	-0.97	--
Minimum	0.0030	0.03	7.50	0.17	11.00	1,900.00	0.0010	125.50	2.73	560.00	--
Maximum	0.01	0.38	8.20	0.17	40.00	3,510.00	0.0030	477.50	5.53	2,100.00	--
Count (n)	7	7	7	1	7	7	7	7	7	7	--
Mann-Kendall S	-6	0	8	--	3	1	-5	-3	-6	-1	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Standard Deviation	185.04	--	84.90	0.00	34.31	16.39	0.00	0.0007
Coefficient of Variation	0.07	--	0.15	0.00	1.33	1.26	0.00	0.06
Skewness	0.88	--	1.11	--	1.72	1.42	--	-1.33
Minimum	2,150.00	--	430.00	0.05	4.00	0.90	0.08	0.01
Maximum	2,920.00	--	750.00	0.05	96.00	50.60	0.08	0.01
Count (n)	12	--	12	2	12	12	12	12
Mann-Kendall S	27	--	0	--	-8	9	0	-5
80% confidence	Positive Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	Positive Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	Positive Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.133	--	0.0000	--	-0.002	0.0010	0.0000	0.0000
SECTION 33 SPRING								
Mean	1,415.00	--	1,100.00	0.40	4.00	0.35	0.10	0.01
UCL	1,635.99	--	1,100.00	--	4.00	1.30	0.10	0.01
Median	1,415.00	--	1,100.00	0.40	4.00	0.35	0.10	0.01
Standard Deviation	49.50	--	0.00	--	0.00	0.21	0.00	0.00
Coefficient of Variation	0.03	--	0.00	--	0.00	0.61	0.00	0.00
Skewness	--	--	--	--	--	--	--	--
Minimum	1,380.00	--	1,100.00	0.40	4.00	0.20	0.10	0.01
Maximum	1,450.00	--	1,100.00	0.40	4.00	0.50	0.10	0.01
Count (n)	2	--	2	1	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
SW-1								
Mean	359.33	--	75.25	2.60	56.00	76.10	0.10	0.17
UCL	926.80	--	169.62	--	119.24	479.56	0.10	0.20
Median	167.00	--	53.50	2.60	55.00	76.10	0.10	0.18
Standard Deviation	336.60	--	80.21	--	37.51	90.37	0.00	0.03
Coefficient of Variation	0.94	--	1.07	--	0.67	1.19	0.00	0.18
Skewness	1.73	--	1.45	--	0.12	--	--	-1.55
Minimum	163.00	--	4.00	2.60	19.00	12.20	0.10	0.13
Maximum	748.00	--	190.00	2.60	94.00	140.00	0.10	0.19
Count (n)	3	--	4	1	3	2	4	4
Mann-Kendall S	--	--	0	--	--	--	0	0
80% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
SW-10								
Mean	732.38	--	139.75	--	412.25	390.84	0.09	0.06
UCL	1,253.06	--	204.15	--	971.66	990.98	0.09	0.11
Median	396.00	--	110.00	--	54.00	48.65	0.09	0.03
Standard Deviation	777.16	--	96.13	--	834.96	895.75	0.007	0.08
Coefficient of Variation	1.06	--	0.69	--	2.03	2.29	0.08	1.29
Skewness	1.83	--	2.47	--	2.64	2.79	1.44	2.46
Minimum	188.00	--	61.00	--	8.00	1.50	0.09	0.02
Maximum	2,420.00	--	370.00	--	2,440.00	2,600.00	0.10	0.24
Count (n)	8	--	8	--	8	8	8	8
Mann-Kendall S	-16	--	-4	--	4	2	8	-8
80% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Positive Trend	Negative Trend
90% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.584	--	-0.003	--	0.044	0.014	0.0000	-0.0001
SW-11								
Mean	2,805.00	--	655.00	0.08	98.42	289.60	0.09	0.01
UCL	2,993.89	--	706.16	0.27	245.92	774.84	0.09	0.01
Median	2,740.00	--	640.00	0.08	12.00	6.15	0.10	0.02
Standard Deviation	364.33	--	98.67	0.04	284.50	935.93	0.02	0.0030
Coefficient of Variation	0.13	--	0.15	0.53	2.89	3.23	0.22	0.24
Skewness	2.00	--	1.79	--	3.44	3.46	-0.39	-0.39
Minimum	2,390.00	--	560.00	0.05	4.00	0.50	0.06	0.009
Maximum	3,800.00	--	910.00	0.11	1,000.00	3,260.00	0.10	0.02
Count (n)	12	--	12	2	12	12	12	12
Mann-Kendall S	-29	--	-12	--	-2	-2	-35	-35
80% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
90% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
95% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
Sen Slope	-0.423	--	-0.026	--	0.0000	-0.0005	0.0000	0.0000
SW-12								
Mean	2,601.43	--	487.14	0.12	433.43	217.37	0.09	0.01
UCL	3,089.84	--	621.47	--	1,150.14	619.86	0.10	0.01
Median	2,650.00	--	580.00	0.12	18.00	5.80	0.10	0.01
Standard Deviation	665.07	--	182.91	--	975.93	548.06	0.02	0.0021
Coefficient of Variation	0.26	--	0.38	--	2.25	2.52	0.18	0.18
Skewness	-0.77	--	-1.23	--	2.57	2.64	-0.37	0.09
Minimum	1,340.00	--	180.00	0.12	6.00	2.60	0.07	0.009
Maximum	3,610.00	--	620.00	0.12	2,630.00	1,460.00	0.10	0.01
Count (n)	7	--	7	1	7	7	7	7
Mann-Kendall S	-11	--	0	--	1	-5	-12	-9

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
80% confidence	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	-0.011	0.0000	0.0000
SW-13										
Mean	7.49	0.007	0.19	0.0013	300.00	0.31	0.0004	121.79	10.59	12.43
UCL	13.93	0.009	0.33	0.0015	416.12	0.54	0.0007	184.02	27.56	18.95
Median	8.37	0.006	0.08	0.0012	270.00	0.16	0.00012	111.00	1.86	10.00
Standard Deviation	8.78	0.004	0.19	0.0003	158.11	0.32	0.0005	84.74	23.11	8.89
Coefficient of Variation	1.17	0.55	1.01	0.25	0.53	1.05	1.33	0.70	2.18	0.71
Skewness	1.63	2.14	1.19	2.27	0.93	2.00	2.00	0.87	2.65	0.73
Minimum	0.25	0.0030	0.04	0.0010	120.00	0.05	0.00008	20.00	1.86	3.00
Maximum	25.35	0.01	0.50	0.0020	590.00	0.99	0.0013	278.00	63.00	27.00
Count (n)	7	7	7	7	7	7	7	7	7	7
Mann-Kendall S	-2	1	5	1	-1	1	-3	1	4	-5
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.038	0.0000	0.0000	0.0000	0.0000	-0.021
SW-14										
Mean	1.66	0.0030	0.12	0.0010	162.50	0.05	0.00011	78.20	2.50	6.00
UCL	2.21	0.0030	0.14	0.0010	212.76	0.07	0.00016	143.10	2.50	15.46
Median	1.40	0.0030	0.12	0.0010	165.00	0.05	0.00009	60.00	2.50	2.50
Standard Deviation	0.58	0.00	0.03	0.00	42.72	0.02	0.00005	68.06	0.00	8.04
Coefficient of Variation	0.35	0.00	0.22	0.00	0.26	0.36	0.49	0.87	0.00	1.34
Skewness	2.24	--	-0.10	--	-0.29	0.60	2.20	1.65	--	1.94
Minimum	1.40	0.0030	0.08	0.0010	110.00	0.03	0.00008	22.50	2.50	1.00
Maximum	2.70	0.0030	0.15	0.0010	210.00	0.08	0.00021	193.00	2.50	18.00
Count (n)	5	5	5	5	4	5	5	5	4	4
Mann-Kendall S	0	0	0	0	-4	0	-3	-6	0	2
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	--	--
Sen Slope	0.0000	0.0000	0.0000	0.0000	--	0.0000	0.0000	-0.102	--	--
SW-16										
Mean	0.12	0.0028	0.04	0.0010	644.17	0.39	0.00007	118.79	32.42	15.33
UCL	0.13	0.003	0.05	0.0010	694.70	0.44	0.00007	135.07	44.89	17.60
Median	0.13	0.0030	0.03	0.0010	625.00	0.39	0.00007	130.75	39.50	15.50
Standard Deviation	0.03	0.0010	0.02	0.000010	97.46	0.10	0.0000006	31.40	24.06	4.38
Coefficient of Variation	0.23	0.38	0.62	0.01	0.15	0.24	0.009	0.26	0.74	0.29
Skewness	-2.57	0.22	1.05	-1.33	1.87	0.62	0.81	-1.39	-0.35	0.26
Minimum	0.04	0.0010	0.007	0.0009	520.00	0.26	0.00007	53.00	1.00	9.00
Maximum	0.15	0.005	0.09	0.0010	910.00	0.59	0.00007	155.00	66.00	23.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-6	-17	0	-9	2	3	10	-6	-13	-12
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.006	-0.025	-0.004
SW-17										
Mean	1.68	0.0030	0.08	0.0010	280.00	0.17	0.00011	258.13	3.00	21.00
UCL	3.05	0.0030	0.10	0.0010	640.40	0.23	0.00015	395.51	4.46	63.35
Median	1.58	0.0030	0.07	0.0010	210.00	0.18	0.00010	211.00	2.50	7.00
Standard Deviation	1.17	0.00	0.02	0.00	213.78	0.05	0.00003	116.77	0.87	25.12
Coefficient of Variation	0.70	0.00	0.28	0.00	0.76	0.28	0.31	0.45	0.29	1.20
Skewness	0.51	--	1.29	--	1.32	-1.47	1.54	1.82	1.73	1.73
Minimum	0.35	0.0030	0.06	0.0010	110.00	0.10	0.00008	180.00	2.50	6.00
Maximum	3.20	0.0030	0.11	0.0010	520.00	0.21	0.00016	430.50	4.00	50.00
Count (n)	4	4	4	4	3	4	4	4	3	3
Mann-Kendall S	-1	0	-2	0	--	0	-1	4	--	--
80% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	--	--
90% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	--	--
95% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-18										
Mean	4.84	0.005	0.11	0.0012	129.00	0.04	0.00018	28.00	1.60	4.40
UCL	11.50	0.009	0.18	0.0016	175.09	0.05	0.0003	36.28	1.60	10.10
Median	0.82	0.0030	0.09	0.0010	120.00	0.05	0.00010	30.50	1.60	2.00
Standard Deviation	6.99	0.004	0.07	0.0004	48.34	0.009	0.00016	8.68	0.00	5.98
Coefficient of Variation	1.44	0.84	0.68	0.37	0.37	0.20	0.94	0.31	0.00	1.36
Skewness	1.93	2.18	1.99	2.24	1.58	0.05	2.13	0.33	--	2.13
Minimum	0.82	0.0030	0.05	0.0010	88.00	0.04	0.00008	19.00	1.60	1.00
Maximum	16.95	0.01	0.23	0.0020	210.00	0.06	0.0005	40.00	1.60	15.00
Count (n)	5	5	5	5	5	5	5	5	5	5
Mann-Kendall S	5	5	2	4	0	-1	3	-1	0	-3
80% confidence	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.003	0.0000	0.0000	0.0000	-0.017	0.0000	0.0000	-0.006	0.0000	-0.014
SW-19										
Mean	0.06	0.0020	0.11	0.0009	165.00	0.04	0.00006	53.50	1.00	3.50

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
80% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0002	--	0.0000	0.0000	-0.006	-0.0001	0.0000	0.0000
SW-13										
Mean	0.01	0.02	0.29	--	11.03	0.009	171.57	0.35	0.00007	0.005
UCL	0.02	0.03	0.38	--	23.19	0.02	303.49	0.69	0.00008	0.005
Median	0.008	0.008	0.30	--	1.72	0.008	105.00	0.11	0.00008	0.005
Standard Deviation	0.010	0.02	0.13	--	16.57	0.008	179.63	0.46	0.000009	0.00019
Coefficient of Variation	0.93	1.05	0.47	--	1.50	0.89	1.05	1.31	0.13	0.04
Skewness	2.19	1.41	0.35	--	1.48	2.05	1.76	1.18	-2.65	2.65
Minimum	0.0010	0.006	0.10	--	0.26	0.0006	18.00	0.02	0.00005	0.005
Maximum	0.03	0.06	0.50	--	41.91	0.03	540.50	1.12	0.00008	0.006
Count (n)	7	7	7	--	7	7	7	7	7	7
Mann-Kendall S	1	-2	-1	--	0	1	1	-3	-4	6
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SW-14										
Mean	0.0028	0.009	0.35	--	2.20	0.0028	50.90	0.13	0.00006	0.005
UCL	0.003	0.01	0.80	--	3.27	0.005	112.42	0.21	0.00007	0.005
Median	0.003	0.006	0.20	--	1.91	0.0022	29.50	0.15	0.00007	0.005
Standard Deviation	0.0007	0.006	0.38	--	1.12	0.0020	64.53	0.09	0.000009	0.00
Coefficient of Variation	0.26	0.69	1.08	--	0.51	0.71	1.27	0.69	0.15	0.00
Skewness	-2.18	2.16	1.66	--	0.80	1.93	1.93	0.12	-0.61	--
Minimum	0.0015	0.006	0.10	--	1.19	0.0012	8.50	0.03	0.00005	0.005
Maximum	0.003	0.02	0.90	--	3.84	0.006	163.00	0.25	0.00007	0.005
Count (n)	5	5	4	--	5	5	5	5	5	5
Mann-Kendall S	-5	-3	-3	--	-4	-3	-5	-2	-4	0
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	--	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	--	--	-0.004	0.0000	-0.069	-0.0001	0.0000	0.0000
SW-16										
Mean	0.0010	0.0010	0.61	--	0.24	0.0005	255.96	0.19	0.00005	0.005
UCL	0.0010	0.0011	0.66	--	0.31	0.0005	272.96	0.29	0.00005	0.006
Median	0.0010	0.0011	0.60	--	0.22	0.0005	248.25	0.09	0.00005	0.005
Standard Deviation	0.0000000000000000023	0.000031	0.10	--	0.13	0.000025	32.79	0.19	0.000006	0.0012
Coefficient of Variation	0.00000000000000023	0.03	0.16	--	0.53	0.05	0.13	1.01	0.12	0.21
Skewness	-1.15	-0.81	0.47	--	1.92	-0.81	0.62	1.71	2.66	3.37
Minimum	0.0010	0.0010	0.50	--	0.11	0.0005	208.00	0.05	0.00005	0.005
Maximum	0.0010	0.0011	0.80	--	0.57	0.0005	323.00	0.62	0.00007	0.009
Count (n)	12	12	12	--	12	12	12	12	12	12
Mann-Kendall S	0	-10	9	--	6	-10	15	9	7	1
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.017	0.0000	0.0000	0.0000
SW-17										
Mean	0.003	0.01	0.87	--	2.96	0.003	154.63	0.27	0.00006	0.005
UCL	0.006	0.02	1.46	--	6.52	0.006	200.77	0.71	0.00008	0.005
Median	0.0030	0.007	0.90	--	2.59	0.0030	157.75	0.12	0.00006	0.005
Standard Deviation	0.0021	0.009	0.35	--	3.02	0.0024	39.22	0.37	0.000014	0.00
Coefficient of Variation	0.63	0.88	0.41	--	1.02	0.73	0.25	1.39	0.23	0.00
Skewness	0.71	1.87	-0.42	--	0.24	0.68	-0.38	1.71	-0.0000000000000014	--
Minimum	0.0010	0.004	0.50	--	0.34	0.0007	106.00	0.02	0.00005	0.005
Maximum	0.006	0.02	1.20	--	6.32	0.006	197.00	0.82	0.00008	0.005
Count (n)	4	4	3	--	4	4	4	4	4	4
Mann-Kendall S	-1	0	--	--	-2	-1	-2	-2	-4	0
80% confidence	No Trend	No Trend	--	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	--	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	--	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-18										
Mean	0.01	0.01	0.54	--	9.57	0.008	13.70	0.26	0.00007	0.005
UCL	0.02	0.03	1.33	--	24.15	0.02	19.31	0.56	0.00008	0.005
Median	0.0028	0.006	0.10	--	2.59	0.0026	16.00	0.13	0.00008	0.005
Standard Deviation	0.02	0.02	0.83	--	15.29	0.01	5.88	0.32	0.000012	0.00
Coefficient of Variation	1.48	1.13	1.53	--	1.60	1.58	0.43	1.21	0.17	0.00
Skewness	2.13	2.05	2.11	--	2.13	2.15	-0.40	2.02	-1.02	--
Minimum	0.0015	0.005	0.10	--	0.35	0.0008	6.50	0.06	0.00005	0.005
Maximum	0.04	0.04	2.00	--	36.65	0.03	20.00	0.82	0.00008	0.005
Count (n)	5	5	5	--	5	5	5	5	5	5
Mann-Kendall S	3	4	-7	--	4	4	-2	10	-3	0
80% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	Negative Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0008	--	0.005	0.0000	-0.010	0.0003	0.0000	0.0000
SW-19										
Mean	0.0010	0.0020	0.15	--	0.22	0.0004	21.50	0.02	0.000028	0.005

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
80% confidence	No Trend	No Trend	Positive Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0005	--	0.001	0.0000	0.0000	-0.047	-0.0002	0.0000	--
SW-13											
Mean	0.02	0.57	7.89	0.10	15.86	4,137.14	0.0020	784.29	10.01	2,365.71	--
UCL	0.03	1.17	8.25	--	20.66	6,347.14	0.003	1,268.71	14.23	3,916.03	--
Median	0.03	0.35	7.70	0.10	16.50	3,510.00	0.0010	571.50	8.43	1,600.00	--
Standard Deviation	0.01	0.81	0.50	--	6.54	3,009.32	0.0017	659.64	5.74	2,111.03	--
Coefficient of Variation	0.55	1.42	0.06	--	0.41	0.73	0.83	0.84	0.57	0.89	--
Skewness	1.09	2.13	1.72	--	0.25	0.61	2.00	0.83	1.53	0.85	--
Minimum	0.01	0.01	7.50	0.10	7.50	690.00	0.0010	94.50	3.73	220.00	--
Maximum	0.05	2.32	8.90	0.10	26.50	8,710.00	0.006	1,800.00	21.50	5,700.00	--
Count (n)	7	7	7	1	7	7	7	7	7	7	--
Mann-Kendall S	6	-9	2	--	-1	3	-7	5	1	1	--
80% confidence	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	-0.002	0.0000	--	-0.009	2.192	0.0000	0.399	0.0000	0.0000	--
SW-14											
Mean	0.01	1.07	7.70	0.14	11.20	1,232.00	0.0010	90.40	1.80	676.75	--
UCL	0.01	2.41	8.20	0.58	13.82	3,145.55	0.0010	202.21	3.54	2,037.34	--
Median	0.01	0.78	7.85	0.14	12.50	541.50	0.0010	73.00	1.72	149.50	--
Standard Deviation	0.00	1.13	0.42	0.10	2.75	1,626.48	0.00	117.26	1.83	1,156.47	--
Coefficient of Variation	0.00	1.06	0.06	0.68	0.25	1.32	0.00	1.30	1.02	1.71	--
Skewness	--	0.99	-1.41	--	-1.80	1.85	--	1.75	1.25	1.92	--
Minimum	0.01	0.14	7.10	0.07	6.50	205.00	0.0010	3.50	0.16	8.00	--
Maximum	0.01	2.59	8.00	0.21	13.00	3,640.00	0.0010	290.50	4.74	2,400.00	--
Count (n)	5	4	4	2	5	4	5	5	5	4	--
Mann-Kendall S	0	2	-5	--	5	-4	0	-4	-6	-4	--
80% confidence	No Trend	No Trend	Negative Trend	--	Positive Trend	Negative Trend	No Trend	No Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	No Trend	--	--
Sen Slope	0.0000	--	--	--	0.002	--	0.0000	-0.168	-0.004	--	--
SW-16											
Mean	0.008	0.10	8.36	0.03	20.92	3,807.50	0.0011	499.58	5.89	1,808.33	--
UCL	0.010	0.17	8.50	0.07	22.76	4,010.73	0.0012	540.96	6.37	1,924.18	--
Median	0.009	0.02	8.35	0.03	19.75	3,690.00	0.0010	490.00	5.69	1,800.00	--
Standard Deviation	0.0025	0.14	0.26	0.009	3.56	391.99	0.00029	79.81	0.92	223.44	--
Coefficient of Variation	0.30	1.41	0.03	0.33	0.17	0.10	0.27	0.16	0.16	0.12	--
Skewness	-1.48	1.29	-0.31	--	1.32	0.69	3.46	0.93	1.71	0.81	--
Minimum	0.0030	0.01	7.90	0.02	17.00	3,350.00	0.0010	394.50	4.90	1,500.00	--
Maximum	0.01	0.36	8.70	0.03	28.50	4,580.00	0.0020	671.00	8.18	2,300.00	--
Count (n)	12	12	12	2	12	12	12	12	12	12	--
Mann-Kendall S	-39	7	-14	--	3	16	9	12	10	10	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0003	--	0.0000	0.364	0.0000	0.028	0.0004	0.0000	--
SW-17											
Mean	0.01	0.21	8.17	0.06	21.38	3,416.67	0.0030	434.00	4.55	1,766.67	--
UCL	0.02	0.69	8.42	0.37	34.04	5,975.31	0.005	636.33	6.24	3,200.48	--
Median	0.01	0.05	8.20	0.06	17.25	3,750.00	0.003	436.25	4.05	2,100.00	--
Standard Deviation	0.004	0.28	0.15	0.07	10.77	1,517.71	0.0015	171.98	1.43	850.49	--
Coefficient of Variation	0.31	1.33	0.02	1.14	0.50	0.44	0.49	0.40	0.31	0.48	--
Skewness	1.54	1.73	-0.94	--	1.65	-0.94	-0.94	-0.04	1.51	-1.49	--
Minimum	0.01	0.05	8.00	0.01	14.00	1,760.00	0.0010	252.00	3.52	800.00	--
Maximum	0.02	0.54	8.30	0.11	37.00	4,740.00	0.005	611.50	6.60	2,400.00	--
Count (n)	4	3	3	2	4	3	4	4	4	3	--
Mann-Kendall S	-1	--	--	--	2	--	-2	-2	-6	--	--
80% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	Negative Trend	--	--
90% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	Negative Trend	--	--
95% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	Negative Trend	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
SW-18											
Mean	0.02	0.13	7.26	0.18	19.10	349.20	0.0011	18.80	0.71	58.60	325.00
UCL	0.03	0.29	7.78	--	37.56	515.84	0.0013	35.01	1.26	115.73	--
Median	0.01	0.02	7.00	0.18	11.50	338.00	0.0010	10.50	0.42	42.00	325.00
Standard Deviation	0.01	0.17	0.55	--	19.36	174.77	0.00022	17.01	0.58	59.91	--
Coefficient of Variation	0.84	1.34	0.08	--	1.01	0.50	0.20	0.90	0.82	1.02	--
Skewness	2.24	1.46	0.45	--	2.16	0.09	2.24	1.58	1.43	1.68	--
Minimum	0.01	0.01	6.70	0.18	7.50	173.00	0.0010	6.50	0.29	9.00	325.00
Maximum	0.04	0.40	7.90	0.18	53.50	536.00	0.0015	47.00	1.65	160.00	325.00
Count (n)	5	5	5	1	5	5	5	5	5	5	1
Mann-Kendall S	4	7	2	--	0	-4	4	-4	-2	-4	--
80% confidence	No Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	Positive Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0002	0.0003	--	-0.008	-0.331	0.0000	-0.011	-0.0004	-0.109	--
SW-19											
Mean	0.006	--	7.75	--	14.00	853.00	0.0010	89.50	0.62	298.50	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
80% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
90% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.426	--	0.0000	--	0.0000	-0.006	0.0000	0.0000
SW-13								
Mean	3,700.57	--	259.86	0.08	598.86	15,096.73	0.10	0.08
UCL	6,003.79	--	366.67	--	950.38	42,620.18	0.10	0.14
Median	2,700.00	--	220.00	0.08	830.00	274.00	0.10	0.04
Standard Deviation	3,136.26	--	145.44	--	478.66	37,478.24	0.00000000000000015	0.09
Coefficient of Variation	0.85	--	0.56	--	0.80	2.48	0.00000000000000015	1.14
Skewness	0.98	--	0.65	--	-0.24	2.63	1.30	1.40
Minimum	414.00	--	99.00	0.08	62.00	8.00	0.10	0.01
Maximum	9,080.00	--	480.00	0.08	1,110.00	100,000.00	0.10	0.25
Count (n)	7	--	7	1	7	7	7	7
Mann-Kendall S	1	--	-1	--	-3	-11	0	-4
80% confidence	No Trend	--	No Trend	--	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	Negative Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	--	-0.038	--	-0.107	-7.620	0.0000	0.0000
SW-14								
Mean	1,208.75	--	129.75	0.14	176.25	25,099.48	0.10	0.03
UCL	3,339.64	--	169.82	0.71	332.12	83,846.69	0.10	0.04
Median	381.00	--	130.00	0.14	119.50	191.85	0.10	0.02
Standard Deviation	1,811.21	--	34.06	0.13	132.48	49,933.88	0.00	0.01
Coefficient of Variation	1.50	--	0.26	0.91	0.75	1.99	0.00	0.48
Skewness	1.93	--	-0.04	--	1.94	2.00	--	0.58
Minimum	163.00	--	89.00	0.05	92.00	14.20	0.10	0.02
Maximum	3,910.00	--	170.00	0.23	374.00	100,000.00	0.10	0.05
Count (n)	4	--	4	2	4	4	5	5
Mann-Kendall S	-4	--	-4	--	-2	0	0	-7
80% confidence	Negative Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	Negative Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	No Trend	No Trend
Sen Slope	--	--	--	--	--	--	0.0000	0.0000
SW-16								
Mean	3,061.67	--	582.50	0.05	20.33	8.73	0.08	0.010
UCL	3,233.97	--	618.36	0.05	25.90	11.35	0.08	0.010
Median	3,155.00	--	595.00	0.05	19.00	8.45	0.08	0.010
Standard Deviation	332.34	--	69.17	0.00	10.74	5.04	0.00	0.00000000000000000018
Coefficient of Variation	0.11	--	0.12	0.00	0.53	0.58	0.00	0.00000000000000000019
Skewness	-0.68	--	0.77	--	-0.04	0.32	--	1.15
Minimum	2,460.00	--	500.00	0.05	5.00	2.30	0.08	0.010
Maximum	3,450.00	--	740.00	0.05	36.00	16.70	0.08	0.010
Count (n)	12	--	12	2	12	12	12	12
Mann-Kendall S	6	--	-13	--	12	18	0	0
80% confidence	No Trend	--	No Trend	--	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.086	--	-0.044	--	0.011	0.005	0.0000	0.0000
SW-17								
Mean	3,190.00	--	231.00	0.25	6,456.67	66,671.17	0.10	0.04
UCL	6,142.28	--	528.70	1.51	23,485.50	163,991.36	0.10	0.08
Median	3,360.00	--	170.00	0.25	1,230.00	100,000.00	0.10	0.04
Standard Deviation	1,751.20	--	176.59	0.28	10,100.96	57,727.23	0.00	0.03
Coefficient of Variation	0.55	--	0.76	1.13	1.56	0.87	0.00	0.80
Skewness	-0.43	--	1.37	--	1.71	-1.73	--	1.24
Minimum	1,360.00	--	93.00	0.05	40.00	13.50	0.10	0.01
Maximum	4,850.00	--	430.00	0.45	18,100.00	100,000.00	0.10	0.09
Count (n)	3	--	3	2	3	3	4	4
Mann-Kendall S	--	--	--	--	--	--	0	-1
80% confidence	--	--	--	--	--	--	No Trend	No Trend
90% confidence	--	--	--	--	--	--	No Trend	No Trend
95% confidence	--	--	--	--	--	--	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
SW-18								
Mean	257.25	--	106.40	0.31	2,712.25	1,311.67	0.10	0.10
UCL	424.81	--	143.26	--	7,467.26	4,506.63	0.10	0.19
Median	195.00	--	100.00	0.31	958.50	219.00	0.10	0.04
Standard Deviation	142.42	--	38.66	--	4,041.66	1,895.15	0.00	0.10
Coefficient of Variation	0.55	--	0.36	--	1.49	1.44	0.00	0.98
Skewness	1.95	--	1.43	--	1.86	1.73	--	0.98
Minimum	169.00	--	72.00	0.31	232.00	216.00	0.10	0.02
Maximum	470.00	--	170.00	0.31	8,700.00	3,500.00	0.10	0.24
Count (n)	4	--	5	1	4	3	5	5
Mann-Kendall S	0	--	0	--	0	--	0	-3
80% confidence	No Trend	--	No Trend	--	No Trend	--	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	--	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	--	No Trend	No Trend
99% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
Sen Slope	--	--	-0.015	--	--	--	0.0000	-0.0001
SW-19								
Mean	554.50	--	135.00	--	267.50	301.20	0.06	0.009

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
UCL	0.32	0.0020	0.45	0.0009	196.57	0.13	0.00006	157.68	1.00	6.66
Median	0.06	0.0020	0.11	0.0009	165.00	0.04	0.00006	53.50	1.00	3.50
Standard Deviation	0.06	0.00	0.07	0.00	7.07	0.02	0.00	23.33	0.00	0.71
Coefficient of Variation	1.00	0.00	0.66	0.00	0.04	0.61	0.00	0.44	0.00	0.20
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.0020	0.06	0.0009	160.00	0.02	0.00006	37.00	1.00	3.00
Maximum	0.10	0.0020	0.17	0.0009	170.00	0.05	0.00006	70.00	1.00	4.00
Count (n)	2	2	2	2	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-1A										
Mean	0.10	0.005	0.04	0.0010	966.00	0.73	0.00007	107.45	18.70	21.10
UCL	0.13	0.008	0.06	0.0010	1,046.05	0.80	0.00008	116.26	34.93	34.48
Median	0.08	0.0030	0.03	0.0009	970.00	0.74	0.00006	105.00	1.50	14.00
Standard Deviation	0.04	0.005	0.02	0.000028	138.10	0.12	0.000010	15.20	28.00	23.08
Coefficient of Variation	0.40	0.87	0.59	0.03	0.14	0.16	0.14	0.14	1.50	1.09
Skewness	2.05	1.67	1.99	1.04	0.22	1.27	0.48	1.13	1.89	3.02
Minimum	0.08	0.0020	0.02	0.0009	760.00	0.57	0.00006	92.00	1.50	7.00
Maximum	0.20	0.01	0.10	0.0010	1,200.00	1.01	0.00008	137.50	87.00	86.00
Count (n)	10	10	10	10	10	10	10	10	10	10
Mann-Kendall S	8	2	15	7	-3	12	8	3	-2	-17
80% confidence	No Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.023	0.0001	0.0000	0.003	0.0000	-0.008
SW-2										
Mean	0.42	0.0027	0.04	0.0010	643.85	0.42	0.00007	114.31	37.77	16.23
UCL	0.51	0.0030	0.05	0.0010	696.52	0.49	0.00007	132.58	53.04	18.74
Median	0.40	0.0030	0.05	0.0010	630.00	0.40	0.00007	132.00	40.00	16.00
Standard Deviation	0.18	0.0006	0.02	0.0000027	106.58	0.13	0.0000004	36.96	30.91	5.09
Coefficient of Variation	0.43	0.22	0.50	0.0028	0.17	0.31	0.006	0.32	0.82	0.31
Skewness	1.36	-1.59	0.45	-0.95	1.80	0.43	-0.54	-0.99	0.40	0.75
Minimum	0.10	0.0015	0.01	0.0010	520.00	0.25	0.00007	42.50	1.00	10.00
Maximum	0.90	0.0030	0.09	0.0010	940.00	0.66	0.00007	159.00	100.00	27.00
Count (n)	13	13	13	13	13	13	13	13	13	13
Mann-Kendall S	6	-32	12	-12	3	16	-12	-5	-4	-13
80% confidence	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.016	0.0001	0.0000	-0.005	-0.001	-0.004
SW-20										
Mean	11.25	0.01	0.21	0.0018	117.75	0.06	0.0003	63.25	2.50	2.50
UCL	31.11	0.03	0.43	0.0032	158.51	0.09	0.0008	106.59	2.50	4.75
Median	4.50	0.006	0.17	0.0013	115.00	0.06	0.00022	68.50	2.50	2.00
Standard Deviation	16.88	0.01	0.19	0.0012	34.64	0.03	0.0004	36.84	0.00	1.91
Coefficient of Variation	1.50	1.18	0.91	0.68	0.29	0.45	1.05	0.58	0.00	0.77
Skewness	1.71	1.77	0.97	1.78	0.35	-0.46	1.28	-0.83	--	0.85
Minimum	0.10	0.0030	0.03	0.0010	81.00	0.03	0.00008	13.50	2.50	1.00
Maximum	35.90	0.03	0.47	0.004	160.00	0.09	0.0008	102.50	2.50	5.00
Count (n)	4	4	4	4	4	4	4	4	4	4
Mann-Kendall S	6	5	6	5	2	6	5	4	0	-1
80% confidence	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-22										
Mean	0.15	0.0030	0.04	0.0010	627.50	0.35	0.00007	124.38	34.42	14.58
UCL	0.17	0.004	0.05	0.0010	687.24	0.38	0.00007	139.34	48.88	16.93
Median	0.17	0.0026	0.03	0.0009	635.00	0.36	0.00007	135.00	34.00	15.00
Standard Deviation	0.05	0.0014	0.02	0.000023	115.22	0.06	0.00000000000000000014	28.87	27.89	4.52
Coefficient of Variation	0.31	0.45	0.56	0.02	0.18	0.17	0.00000000000000000021	0.23	0.81	0.31
Skewness	-1.82	1.41	1.61	2.06	0.26	-0.15	1.15	-1.44	0.79	-0.60
Minimum	0.04	0.0015	0.02	0.0009	420.00	0.25	0.00007	55.50	1.00	5.00
Maximum	0.17	0.006	0.09	0.0010	880.00	0.46	0.00007	160.00	97.00	21.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-13	-4	-9	2	-27	4	0	-19	-1	-11
80% confidence	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.101	0.0000	0.0000	-0.013	0.0000	-0.005
SW-23										
Mean	0.12	0.0024	0.04	0.0009	728.33	0.49	0.00006	126.00	5.33	7.50
UCL	0.13	0.0028	0.05	0.0010	803.62	0.60	0.00007	138.86	12.06	9.56
Median	0.12	0.0025	0.04	0.0009	765.00	0.56	0.00006	121.75	1.75	7.00
Standard Deviation	0.01	0.0005	0.01	0.00003	91.52	0.12	0.000008	15.64	8.18	2.51
Coefficient of Variation	0.08	0.20	0.27	0.03	0.13	0.25	0.13	0.12	1.53	0.33
Skewness	-2.45	-1.44	-0.34	2.45	-0.62	-0.94	2.45	1.59	2.43	1.31
Minimum	0.10	0.0015	0.03	0.0009	610.00	0.32	0.00006	114.00	1.75	5.00
Maximum	0.12	0.0030	0.05	0.0010	830.00	0.60	0.00008	155.00	22.00	12.00

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
UCL	0.0010	0.008	0.47	--	1.42	0.0004	62.54	0.13	0.000028	0.005
Median	0.0010	0.0020	0.15	--	0.22	0.0004	21.50	0.02	0.000028	0.005
Standard Deviation	0.00	0.0014	0.07	--	0.27	0.00	9.19	0.02	0.00	0.00
Coefficient of Variation	0.00	0.71	0.47	--	1.22	0.00	0.43	1.09	0.00	0.00
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.0010	0.10	--	0.03	0.0004	15.00	0.005	0.000028	0.005
Maximum	0.0010	0.0030	0.20	--	0.41	0.0004	28.00	0.04	0.000028	0.005
Count (n)	2	2	2	--	2	2	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-1A										
Mean	0.0010	0.0011	1.09	--	0.33	0.0005	245.80	0.48	0.00004	0.005
UCL	0.0010	0.0011	1.24	--	0.46	0.0005	268.31	0.75	0.00005	0.005
Median	0.0010	0.0010	1.20	--	0.28	0.0004	226.75	0.28	0.00004	0.005
Standard Deviation	0.0000000000000000023	0.00016	0.26	--	0.22	0.00003	38.83	0.47	0.000008	0.0004
Coefficient of Variation	0.00000000000000023	0.15	0.24	--	0.65	0.07	0.16	0.99	0.19	0.08
Skewness	-1.19	3.16	-0.72	--	1.72	0.48	0.73	1.38	0.48	1.78
Minimum	0.0010	0.0010	0.70	--	0.13	0.0004	197.00	0.05	0.00004	0.005
Maximum	0.0010	0.0015	1.40	--	0.85	0.0005	317.50	1.52	0.00005	0.006
Count (n)	10	10	10	--	10	10	10	10	10	10
Mann-Kendall S	0	1	-4	--	9	8	-7	5	8	8
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0001	0.0000	-0.012	0.0001	0.0000	0.0000
SW-2										
Mean	0.0013	0.0015	0.62	--	0.57	0.0007	267.19	0.17	0.00005	0.006
UCL	0.0014	0.0017	0.68	--	0.71	0.0008	289.52	0.26	0.00005	0.007
Median	0.0012	0.0014	0.60	--	0.58	0.0007	255.50	0.10	0.00005	0.005
Standard Deviation	0.0003	0.0004	0.11	--	0.29	0.00022	45.18	0.19	0.0000021	0.0016
Coefficient of Variation	0.26	0.29	0.18	--	0.51	0.31	0.17	1.12	0.05	0.28
Skewness	1.90	1.03	0.37	--	0.61	1.70	0.67	1.97	0.95	2.32
Minimum	0.0010	0.0010	0.50	--	0.15	0.0005	200.50	0.05	0.00005	0.005
Maximum	0.0020	0.0025	0.80	--	1.12	0.0012	363.00	0.60	0.00005	0.01
Count (n)	13	13	13	--	13	13	13	13	13	13
Mann-Kendall S	-2	11	12	--	-1	-1	13	10	10	9
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.018	0.0000	0.0000	0.0000
SW-20										
Mean	0.02	0.02	0.35	--	23.40	0.02	22.75	0.71	0.00009	0.005
UCL	0.06	0.05	0.70	--	64.48	0.05	41.83	1.76	0.00009	0.005
Median	0.008	0.01	0.30	--	9.66	0.009	20.50	0.44	0.00009	0.005
Standard Deviation	0.03	0.02	0.30	--	34.92	0.03	16.21	0.90	0.00	0.00
Coefficient of Variation	1.49	1.21	0.86	--	1.49	1.40	0.71	1.27	0.00	0.00
Skewness	1.74	1.18	0.37	--	1.67	1.51	0.79	1.12	--	--
Minimum	0.0010	0.0010	0.10	--	0.09	0.0005	5.50	0.01	0.00009	0.005
Maximum	0.07	0.05	0.70	--	74.18	0.06	44.50	1.93	0.00009	0.005
Count (n)	4	4	4	--	4	4	4	4	4	4
Mann-Kendall S	5	6	-5	--	6	6	6	6	0	0
80% confidence	Positive Trend	Positive Trend	Negative Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	Positive Trend	Positive Trend	Positive Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
SW-22										
Mean	0.0010	0.0012	0.58	--	0.28	0.0005	247.58	0.24	0.00005	0.005
UCL	0.0011	0.0012	0.63	--	0.37	0.0005	258.83	0.32	0.00005	0.005
Median	0.0011	0.0013	0.60	--	0.30	0.0005	244.25	0.24	0.00005	0.005
Standard Deviation	0.000025	0.00015	0.09	--	0.16	0.00000000000000000011	21.69	0.17	0.0000025	0.00029
Coefficient of Variation	0.02	0.13	0.16	--	0.57	0.00000000000000023	0.09	0.71	0.05	0.06
Skewness	-1.33	-0.39	-0.41	--	1.66	-1.15	0.18	0.45	0.81	3.46
Minimum	0.0010	0.0010	0.40	--	0.08	0.0005	217.00	0.007	0.00005	0.005
Maximum	0.0011	0.0013	0.70	--	0.72	0.0005	287.50	0.55	0.00005	0.006
Count (n)	12	12	12	--	12	12	12	12	12	12
Mann-Kendall S	-3	1	2	--	5	0	14	2	10	-3
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.016	0.0000	0.0000	0.0000
SW-23										
Mean	0.0010	0.0010	0.57	--	0.27	0.0005	224.25	0.39	0.00004	0.005
UCL	0.0010	0.0010	0.65	--	0.43	0.0005	247.75	0.84	0.00005	0.005
Median	0.0010	0.0010	0.60	--	0.21	0.0005	229.00	0.09	0.00004	0.005
Standard Deviation	0.00	0.00	0.10	--	0.20	0.000016	28.57	0.55	0.000003	0.00
Coefficient of Variation	0.00	0.00	0.18	--	0.75	0.03	0.13	1.43	0.08	0.00
Skewness	--	--	-0.67	--	2.13	2.45	0.04	1.63	2.45	--
Minimum	0.0010	0.0010	0.40	--	0.11	0.0005	186.50	0.03	0.00004	0.005
Maximum	0.0010	0.0010	0.70	--	0.66	0.0005	265.50	1.40	0.00005	0.005

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
UCL	0.006	--	8.70	--	45.57	3,738.50	0.0010	540.95	--	1,760.19	--
Median	0.006	--	7.75	--	14.00	853.00	0.0010	89.50	0.62	298.50	--
Standard Deviation	0.00	--	0.21	--	7.07	646.30	0.00	101.12	--	327.39	--
Coefficient of Variation	0.00	--	0.03	--	0.51	0.76	0.00	1.13	--	1.10	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.006	--	7.60	--	9.00	396.00	0.0010	18.00	0.62	67.00	--
Maximum	0.006	--	7.90	--	19.00	1,310.00	0.0010	161.00	0.62	530.00	--
Count (n)	2	--	2	--	2	2	2	2	1	2	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
SW-1A											
Mean	0.009	0.10	8.00	0.06	23.70	4,247.00	0.0014	668.80	7.98	1,830.00	--
UCL	0.01	0.14	8.09	--	25.67	4,618.86	0.0017	730.29	8.45	2,121.81	--
Median	0.01	0.09	8.00	0.06	23.00	4,050.00	0.0010	627.00	7.78	1,650.00	--
Standard Deviation	0.0028	0.06	0.16	--	3.40	641.53	0.0006	106.09	0.81	503.43	--
Coefficient of Variation	0.33	0.63	0.02	--	0.14	0.15	0.43	0.16	0.10	0.28	--
Skewness	-2.04	0.25	0.57	--	0.71	0.95	1.26	0.45	0.95	0.92	--
Minimum	0.0020	0.01	7.80	0.06	20.00	3,580.00	0.0010	531.00	7.08	1,300.00	--
Maximum	0.01	0.21	8.30	0.06	30.00	5,380.00	0.0025	841.00	9.66	2,800.00	--
Count (n)	10	10	10	1	10	10	10	10	10	10	--
Mann-Kendall S	-17	-10	0	--	-6	8	3	-9	-1	3	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	-0.0001	0.0000	--	-0.004	0.292	0.0000	-0.032	-0.0002	0.0000	--
SW-2											
Mean	0.008	0.09	8.42	0.02	22.00	3,932.31	0.0011	526.92	6.11	1,884.62	--
UCL	0.010	0.16	8.57	0.05	24.37	4,193.27	0.0013	582.02	6.67	2,044.57	--
Median	0.009	0.01	8.40	0.02	20.00	3,720.00	0.0010	515.00	5.81	1,800.00	--
Standard Deviation	0.0025	0.14	0.31	0.006	4.79	528.02	0.00030	111.47	1.13	323.64	--
Coefficient of Variation	0.30	1.59	0.04	0.26	0.22	0.13	0.27	0.21	0.18	0.17	--
Skewness	-1.88	1.52	-0.15	--	1.05	0.59	2.68	0.85	1.14	0.83	--
Minimum	0.0025	0.01	7.80	0.02	16.00	3,290.00	0.0010	378.50	4.82	1,400.00	--
Maximum	0.01	0.38	9.00	0.03	32.00	4,860.00	0.0020	754.00	8.54	2,600.00	--
Count (n)	13	13	13	2	13	13	13	13	13	13	--
Mann-Kendall S	-45	10	-13	--	5	24	19	14	10	19	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	Positive Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	Positive Trend	Positive Trend	No Trend	No Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	--
99% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0002	--	0.0005	0.500	0.0000	0.041	0.0002	0.193	--
SW-20											
Mean	0.03	0.46	7.65	0.21	14.13	326.25	0.0016	9.88	0.41	63.00	190.00
UCL	0.06	1.16	8.21	1.43	23.12	518.90	0.0024	20.07	0.83	142.07	--
Median	0.02	0.24	7.70	0.21	16.75	272.00	0.0015	7.50	0.37	46.50	190.00
Standard Deviation	0.03	0.60	0.48	0.27	7.64	163.75	0.0006	8.66	0.36	67.21	--
Coefficient of Variation	0.94	1.31	0.06	1.29	0.54	0.50	0.39	0.88	0.89	1.07	--
Skewness	1.60	1.61	-0.29	--	-1.66	1.49	1.13	1.30	0.21	0.81	--
Minimum	0.01	0.03	7.10	0.02	3.00	201.00	0.0010	2.50	0.09	9.00	190.00
Maximum	0.07	1.32	8.10	0.40	20.00	560.00	0.0025	22.00	0.80	150.00	190.00
Count (n)	4	4	4	2	4	4	4	4	4	4	1
Mann-Kendall S	5	0	-2	--	4	-2	3	-2	-4	-4	--
80% confidence	Positive Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
SW-22											
Mean	0.008	0.09	8.41	0.05	19.71	3,601.67	0.0010	455.88	5.43	1,691.67	--
UCL	0.009	0.15	8.57	0.12	20.91	3,721.23	0.0010	479.33	5.69	1,747.85	--
Median	0.009	0.01	8.45	0.05	19.50	3,555.00	0.0010	458.00	5.29	1,700.00	--
Standard Deviation	0.0026	0.12	0.32	0.02	2.32	230.61	0.0000000000000000023	45.24	0.50	108.36	--
Coefficient of Variation	0.32	1.40	0.04	0.34	0.12	0.06	0.0000000000000000023	0.10	0.09	0.06	--
Skewness	-1.88	1.42	0.43	--	0.81	0.08	-1.15	0.21	1.02	0.19	--
Minimum	0.0025	0.01	7.90	0.04	17.00	3,260.00	0.0010	394.50	4.81	1,500.00	--
Maximum	0.01	0.36	9.10	0.06	24.50	3,960.00	0.0010	539.50	6.56	1,900.00	--
Count (n)	12	12	12	2	12	12	12	12	12	12	--
Mann-Kendall S	-12	11	-3	--	-14	12	0	2	0	-2	--
80% confidence	Negative Trend	No Trend	No Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	-0.001	0.221	0.0000	0.0005	0.0000	0.0000	--
SW-23											
Mean	0.007	0.41	8.07	0.10	18.50	3,630.00	0.0010	473.83	5.78	1,683.33	--
UCL	0.010	1.21	8.17	--	20.94	4,094.44	0.0010	546.76	6.33	1,945.63	--
Median	0.008	0.01	8.05	0.10	19.25	3,665.00	0.0010	486.75	5.85	1,700.00	--
Standard Deviation	0.0025	0.97	0.12	--	2.97	564.59	0.00	88.65	0.67	318.85	--
Coefficient of Variation	0.34	2.39	0.02	--	0.16	0.16	0.00	0.19	0.12	0.19	--
Skewness	-1.85	2.45	-0.08	--	-0.20	0.46	--	0.20	0.33	0.56	--
Minimum	0.0025	0.01	7.90	0.10	15.00	2,970.00	0.0010	369.50	4.98	1,300.00	--
Maximum	0.01	2.39	8.20	0.10	22.50	4,520.00	0.0010	607.00	6.81	2,200.00	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
UCL	2,458.17	--	166.57	--	1,792.33	2,036.29	0.06	0.009
Median	554.50	--	135.00	--	267.50	301.20	0.06	0.009
Standard Deviation	426.39	--	7.07	--	341.53	388.63	0.00	0.00
Coefficient of Variation	0.77	--	0.05	--	1.28	1.29	0.00	0.00
Skewness	--	--	--	--	--	--	--	--
Minimum	253.00	--	130.00	--	26.00	26.40	0.06	0.009
Maximum	856.00	--	140.00	--	509.00	576.00	0.06	0.009
Count (n)	2	--	2	--	2	2	2	2
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
SW-1A								
Mean	3,301.00	--	821.00	0.05	30.30	6.23	0.08	0.010
UCL	3,623.59	--	882.49	--	47.00	9.13	0.09	0.010
Median	3,215.00	--	825.00	0.05	24.00	5.40	0.07	0.009
Standard Deviation	556.53	--	106.09	--	28.81	5.01	0.02	0.0003
Coefficient of Variation	0.17	--	0.13	--	0.95	0.80	0.19	0.04
Skewness	0.41	--	-0.30	--	2.59	1.32	0.48	0.48
Minimum	2,540.00	--	620.00	0.05	10.00	1.20	0.07	0.009
Maximum	4,280.00	--	1,000.00	0.05	108.00	16.90	0.10	0.01
Count (n)	10	--	10	1	10	10	10	10
Mann-Kendall S	3	--	-10	--	15	12	8	8
80% confidence	No Trend	--	No Trend	--	Positive Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.137	--	-0.138	--	0.018	0.002	0.0000	0.0000
SW-2								
Mean	3,183.85	--	592.31	0.05	48.92	26.51	0.08	0.010
UCL	3,405.99	--	630.55	0.05	67.41	37.85	0.08	0.010
Median	3,200.00	--	620.00	0.05	34.00	14.80	0.08	0.010
Standard Deviation	449.47	--	77.37	0.00	37.40	22.95	0.0023	0.00020
Coefficient of Variation	0.14	--	0.13	0.00	0.76	0.87	0.03	0.02
Skewness	-0.17	--	0.55	--	0.46	0.92	0.54	-0.69
Minimum	2,420.00	--	480.00	0.05	6.00	3.60	0.08	0.009
Maximum	3,940.00	--	770.00	0.05	108.00	69.00	0.08	0.01
Count (n)	13	--	13	2	13	13	13	13
Mann-Kendall S	10	--	-3	--	9	20	12	-5
80% confidence	No Trend	--	No Trend	--	No Trend	Positive Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.265	--	0.0000	--	0.010	0.012	0.0000	0.0000
SW-20								
Mean	252.33	--	97.75	0.75	112.67	198.27	0.11	0.16
UCL	447.67	--	130.50	5.13	365.73	621.81	0.14	0.32
Median	201.00	--	97.00	0.75	26.00	86.40	0.10	0.14
Standard Deviation	115.87	--	27.84	0.98	150.11	251.23	0.03	0.14
Coefficient of Variation	0.46	--	0.28	1.32	1.33	1.27	0.22	0.86
Skewness	1.60	--	0.11	--	1.73	1.61	2.00	0.75
Minimum	171.00	--	67.00	0.05	26.00	22.40	0.10	0.01
Maximum	385.00	--	130.00	1.44	286.00	486.00	0.15	0.34
Count (n)	3	--	4	2	3	3	4	4
Mann-Kendall S	--	--	2	--	--	--	3	3
80% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
90% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
95% confidence	--	--	No Trend	--	--	--	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
SW-22								
Mean	2,885.83	--	569.17	0.05	21.75	10.84	0.08	0.010
UCL	3,010.76	--	605.99	0.05	31.05	16.71	0.08	0.010
Median	2,835.00	--	560.00	0.05	16.00	6.15	0.07	0.009
Standard Deviation	240.96	--	71.03	0.00	17.93	11.32	0.01	0.00030
Coefficient of Variation	0.08	--	0.12	0.00	0.82	1.04	0.18	0.03
Skewness	0.22	--	0.66	--	1.34	2.40	1.33	1.33
Minimum	2,580.00	--	480.00	0.05	4.00	2.60	0.07	0.009
Maximum	3,230.00	--	720.00	0.05	64.00	43.00	0.10	0.01
Count (n)	12	--	12	2	12	12	12	12
Mann-Kendall S	-1	--	-25	--	-22	-6	3	3
80% confidence	No Trend	--	Negative Trend	--	Negative Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	--	Negative Trend	--	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.038	--	-0.090	--	-0.018	-0.002	0.0000	0.0000
SW-23								
Mean	2,941.67	--	603.33	0.05	10.67	8.08	0.07	0.009
UCL	3,407.20	--	667.19	--	15.94	15.68	0.08	0.010
Median	3,010.00	--	640.00	0.05	9.00	4.25	0.06	0.009
Standard Deviation	565.91	--	77.63	--	6.41	9.23	0.01	0.00029
Coefficient of Variation	0.19	--	0.13	--	0.60	1.14	0.21	0.03
Skewness	0.30	--	-0.81	--	0.53	2.03	2.45	2.45
Minimum	2,270.00	--	500.00	0.05	4.00	2.20	0.06	0.009
Maximum	3,810.00	--	680.00	0.05	20.00	26.10	0.10	0.01

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
Count (n)	6	6	6	6	6	6	6	6	6	6
Mann-Kendall S	-1	-3	5	1	-2	2	1	2	3	-1
80% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	-0.014	0.0000	0.0000	0.0000	0.0000	0.0000
SW-25										
Mean	0.32	0.0022	0.05	0.0009	682.00	0.51	0.00005	113.20	26.20	15.80
UCL	0.32	0.003	0.06	0.0009	843.16	0.68	0.00007	153.70	55.08	21.62
Median	0.32	0.0020	0.05	0.0009	650.00	0.49	0.00005	129.00	12.00	12.00
Standard Deviation	0.00	0.0010	0.01	0.00007	169.03	0.17	0.000016	42.48	30.29	6.10
Coefficient of Variation	0.00	0.47	0.23	0.08	0.25	0.33	0.30	0.38	1.16	0.39
Skewness	--	0.24	1.45	2.24	1.32	1.05	2.24	-0.87	0.65	1.65
Minimum	0.32	0.0010	0.04	0.0009	500.00	0.33	0.00005	48.50	1.00	12.00
Maximum	0.32	0.004	0.07	0.0010	960.00	0.79	0.00008	160.50	66.00	26.00
Count (n)	5	5	5	5	5	5	5	5	5	5
Mann-Kendall S	0	-6	0	-4	4	-2	-4	2	-3	1
80% confidence	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.266	-0.0003	0.0000	0.046	-0.146	0.0000
SW-3										
Mean	8.58	0.008	0.19	0.0012	172.00	0.12	0.00029	46.50	1.00	2.80
UCL	16.77	0.01	0.31	0.0014	219.39	0.17	0.0004	62.53	1.00	4.04
Median	6.35	0.01	0.20	0.0013	180.00	0.10	0.0004	42.00	1.00	2.00
Standard Deviation	8.58	0.005	0.12	0.00024	49.70	0.05	0.00013	16.81	0.00	1.30
Coefficient of Variation	1.00	0.65	0.64	0.20	0.29	0.38	0.44	0.36	0.00	0.47
Skewness	0.34	-0.46	-0.07	-0.61	-0.56	0.54	-2.22	-0.21	--	1.71
Minimum	0.37	0.0020	0.07	0.0009	100.00	0.08	0.00007	23.50	1.00	2.00
Maximum	18.65	0.01	0.32	0.0013	230.00	0.18	0.0004	66.50	1.00	5.00
Count (n)	5	5	5	5	5	5	5	5	5	5
Mann-Kendall S	0	1	2	-4	-10	0	-5	-6	0	-5
80% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0004	0.0000	0.0000	0.0000	-0.176	0.0000	0.0000	-0.043	0.0000	-0.004
SW-4										
Mean	8.14	0.007	0.23	0.0012	158.75	0.04	0.0004	42.88	1.75	4.38
UCL	14.21	0.009	0.34	0.0014	187.94	0.05	0.0005	52.80	1.75	6.46
Median	4.33	0.005	0.16	0.0011	155.00	0.03	0.00029	43.00	1.75	3.00
Standard Deviation	9.06	0.004	0.16	0.00031	43.57	0.01	0.00020	14.82	0.00	3.11
Coefficient of Variation	1.11	0.55	0.69	0.26	0.27	0.38	0.57	0.35	0.00	0.71
Skewness	1.23	1.52	0.55	2.68	0.61	1.09	0.90	0.24	--	1.05
Minimum	1.25	0.0030	0.07	0.0010	110.00	0.02	0.00008	23.00	1.75	1.00
Maximum	25.90	0.01	0.46	0.0020	230.00	0.07	0.0007	66.50	1.75	10.00
Count (n)	8	8	8	8	8	8	8	8	8	8
Mann-Kendall S	12	4	10	1	3	3	-2	14	0	-5
80% confidence	Positive Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
90% confidence	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.014	0.0000	0.0003	0.0000	0.013	0.0000	0.0000	0.024	0.0000	-0.002
SW-5										
Mean	1.56	0.003	0.11	0.0010	131.00	0.03	0.00010	33.00	1.86	4.00
UCL	3.23	0.004	0.14	0.0010	154.99	0.03	0.00014	41.31	1.86	8.22
Median	1.05	0.0026	0.10	0.0010	140.00	0.02	0.00007	30.00	1.86	2.00
Standard Deviation	2.28	0.0016	0.03	0.000020	32.66	0.008	0.00006	11.32	0.00000000000000024	5.74
Coefficient of Variation	1.46	0.50	0.26	0.02	0.25	0.33	0.60	0.34	0.00000000000000013	1.44
Skewness	2.48	2.60	0.75	1.23	-0.28	1.18	2.54	1.86	1.30	2.62
Minimum	0.02	0.0026	0.09	0.0010	77.00	0.02	0.00007	24.50	1.86	1.00
Maximum	6.65	0.007	0.16	0.0010	180.00	0.04	0.00023	56.50	1.86	17.00
Count (n)	7	7	7	7	7	7	7	7	7	7
Mann-Kendall S	-6	7	-1	6	12	5	5	-7	0	-5
80% confidence	No Trend	Positive Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.0008	0.0000	0.0000	0.0000	0.047	0.0000	0.0000	-0.008	0.0000	0.0000
SW-7										
Mean	0.32	0.0025	0.13	0.0010	158.00	0.05	0.00008	58.38	2.00	4.33
UCL	0.62	0.003	0.30	0.0010	350.90	0.07	0.00012	118.42	2.00	12.65
Median	0.33	0.0025	0.07	0.0010	97.00	0.05	0.00007	44.00	2.00	2.00
Standard Deviation	0.26	0.0006	0.14	0.00006	114.42	0.02	0.00004	51.03	0.00	4.93
Coefficient of Variation	0.83	0.23	1.08	0.06	0.72	0.49	0.44	0.87	0.00	1.14
Skewness	-0.16	0.00	1.97	0.000000000000011	1.72	0.0000000000000005	1.41	1.13	--	1.65
Minimum	0.01	0.0020	0.05	0.0009	87.00	0.03	0.00006	17.50	2.00	1.00
Maximum	0.60	0.0030	0.34	0.0010	290.00	0.07	0.00013	128.00	2.00	10.00
Count (n)	4	4	4	4	3	4	4	4	3	3
Mann-Kendall S	-4	0	-4	0	--	-2	-1	-4	--	--
80% confidence	Negative Trend	No Trend	Negative Trend	No Trend	--	No Trend	No Trend	Negative Trend	--	--
90% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	--	--
95% confidence	No Trend	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
Count (n)	6	6	6	--	6	6	6	6	6	6
Mann-Kendall S	0	0	2	--	-4	1	3	-3	1	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	-0.0001	0.0000	0.004	0.0000	0.0000	0.0000
SW-25										
Mean	0.0011	0.0013	0.64	--	0.47	0.0006	272.90	0.19	0.00003	0.006
UCL	0.0013	0.0015	0.77	--	0.59	0.0008	308.77	0.38	0.00004	0.007
Median	0.0010	0.0013	0.70	--	0.50	0.0004	266.50	0.11	0.000028	0.005
Standard Deviation	0.00022	0.00018	0.13	--	0.13	0.00023	37.62	0.20	0.000010	0.0014
Coefficient of Variation	0.20	0.14	0.21	--	0.27	0.40	0.14	1.05	0.31	0.24
Skewness	2.24	-1.29	-0.17	--	-0.0022	0.84	0.75	2.07	2.24	0.88
Minimum	0.0010	0.0010	0.50	--	0.31	0.0004	236.00	0.07	0.000028	0.005
Maximum	0.0015	0.0015	0.80	--	0.65	0.0009	328.00	0.54	0.00005	0.008
Count (n)	5	5	5	--	5	5	5	5	5	5
Mann-Kendall S	-4	-3	2	--	0	-5	-2	4	-4	-1
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	-0.0002	0.0000	-0.105	0.0001	0.0000	0.0000
SW-3										
Mean	0.01	0.02	0.10	--	15.97	0.010	25.20	0.77	0.00005	0.005
UCL	0.02	0.03	0.10	--	29.18	0.02	37.45	1.27	0.00007	0.005
Median	0.02	0.02	0.10	--	20.64	0.008	21.00	0.99	0.00006	0.005
Standard Deviation	0.009	0.01	0.00	--	13.85	0.008	12.85	0.53	0.000023	0.00
Coefficient of Variation	0.58	0.80	0.00	--	0.87	0.81	0.51	0.68	0.49	0.00
Skewness	-1.44	0.24	--	--	-0.10	1.19	1.45	-0.29	-2.09	--
Minimum	0.0010	0.0030	0.10	--	1.23	0.0010	12.50	0.17	0.000007	0.005
Maximum	0.02	0.04	0.10	--	32.83	0.02	46.50	1.37	0.00006	0.005
Count (n)	5	5	5	--	5	5	5	5	5	5
Mann-Kendall S	-5	0	0	--	2	1	-6	-2	-5	0
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0006	0.0000	-0.043	-0.001	0.0000	0.0000
SW-4										
Mean	0.02	0.02	0.44	--	15.22	0.010	14.06	0.54	0.00006	0.005
UCL	0.03	0.03	0.87	--	25.98	0.02	18.19	0.97	0.00006	0.005
Median	0.01	0.01	0.20	--	13.27	0.007	14.00	0.30	0.00006	0.005
Standard Deviation	0.02	0.02	0.64	--	16.06	0.009	6.16	0.64	0.000005	0.00
Coefficient of Variation	0.89	0.89	1.46	--	1.05	0.89	0.44	1.17	0.09	0.00
Skewness	2.15	0.87	2.70	--	0.79	2.05	-0.25	1.65	-1.12	--
Minimum	0.0010	0.0025	0.10	--	0.40	0.0005	4.50	0.03	0.00005	0.005
Maximum	0.06	0.05	2.00	--	44.01	0.03	23.00	1.91	0.00006	0.005
Count (n)	8	8	8	--	8	8	8	8	8	8
Mann-Kendall S	0	10	-6	--	8	0	13	10	-13	0
80% confidence	No Trend	Positive Trend	No Trend	--	Positive Trend	No Trend	Positive Trend	Positive Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	-0.0002	--	0.019	0.0000	0.007	0.0006	0.0000	0.0000
SW-6										
Mean	0.004	0.005	0.19	--	3.24	0.0020	10.50	0.24	0.00005	0.005
UCL	0.008	0.008	0.27	--	6.36	0.004	14.05	0.44	0.00005	0.005
Median	0.0028	0.0025	0.10	--	1.33	0.0012	9.00	0.14	0.00005	0.005
Standard Deviation	0.005	0.004	0.12	--	4.24	0.0026	4.83	0.27	0.000003	0.00
Coefficient of Variation	1.25	0.92	0.65	--	1.31	1.32	0.46	1.11	0.07	0.00
Skewness	2.54	1.51	1.15	--	1.81	2.58	1.10	0.92	2.58	--
Minimum	0.0010	0.0010	0.10	--	0.05	0.0005	5.50	0.01	0.00005	0.005
Maximum	0.02	0.01	0.40	--	11.97	0.008	19.50	0.70	0.00006	0.005
Count (n)	7	7	7	--	7	7	7	7	7	7
Mann-Kendall S	1	2	-3	--	-3	1	-4	-1	1	0
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	-0.0009	0.0000	-0.003	0.0000	0.0000	0.0000
SW-7										
Mean	0.0014	0.006	0.30	--	0.52	0.0007	22.38	0.06	0.00005	0.005
UCL	0.0019	0.01	0.88	--	1.01	0.0010	49.77	0.14	0.00005	0.006
Median	0.0013	0.003	0.10	--	0.50	0.0006	16.25	0.03	0.00005	0.005
Standard Deviation	0.0004	0.006	0.35	--	0.41	0.00026	23.29	0.07	0.0000014	0.0005
Coefficient of Variation	0.31	1.00	1.15	--	0.79	0.37	1.04	1.24	0.03	0.10
Skewness	1.54	1.93	1.73	--	0.26	1.69	0.90	1.78	0.000000000000014	2.00
Minimum	0.0010	0.0020	0.10	--	0.07	0.0005	4.00	0.005	0.00005	0.005
Maximum	0.0020	0.01	0.70	--	1.02	0.0011	53.00	0.16	0.00005	0.006
Count (n)	4	4	3	--	4	4	4	4	4	4
Mann-Kendall S	-1	0	--	--	-4	-1	-6	-4	0	-1
80% confidence	No Trend	No Trend	--	--	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend
90% confidence	No Trend	No Trend	--	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	No Trend	--	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
Count (n)	6	6	6	1	6	6	6	6	6	6	--
Mann-Kendall S	-3	-5	1	--	2	1	0	3	1	0	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	0.0000	0.0007	0.0000	0.0000	--
SW-25											
Mean	0.006	0.13	8.32	--	22.10	4,128.00	0.0014	543.90	6.24	1,960.00	--
UCL	0.009	0.28	8.67	--	25.95	4,668.97	0.0019	636.16	7.13	2,157.71	--
Median	0.008	0.01	8.40	--	20.50	3,990.00	0.0010	528.50	5.96	1,900.00	--
Standard Deviation	0.003	0.16	0.37	--	4.04	567.38	0.0005	96.76	0.93	207.36	--
Coefficient of Variation	0.50	1.28	0.04	--	0.18	0.14	0.39	0.18	0.15	0.11	--
Skewness	-0.26	0.75	-0.61	--	1.24	0.97	0.61	1.40	2.03	1.45	--
Minimum	0.0025	0.01	7.80	--	18.50	3,630.00	0.0010	457.00	5.58	1,800.00	--
Maximum	0.01	0.34	8.70	--	28.50	4,990.00	0.0020	702.50	7.88	2,300.00	--
Count (n)	5	5	5	--	5	5	5	5	5	5	--
Mann-Kendall S	-9	3	-2	--	-2	-2	2	-2	-2	-1	--
80% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	Negative Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0008	--	-0.013	-1.493	0.0000	-0.133	-0.0006	-0.379	--
SW-3											
Mean	0.02	0.03	6.92	--	20.40	472.60	0.0012	28.40	0.79	94.00	--
UCL	0.03	0.06	7.22	--	25.38	793.54	0.0014	62.40	1.50	227.21	--
Median	0.03	0.02	7.00	--	17.50	333.00	0.0013	12.00	0.56	35.00	--
Standard Deviation	0.010	0.02	0.31	--	5.22	336.61	0.00021	35.66	0.75	139.71	--
Coefficient of Variation	0.47	0.73	0.05	--	0.26	0.71	0.17	1.26	0.95	1.49	--
Skewness	-1.82	0.93	-1.55	--	0.45	2.15	0.51	2.20	1.91	2.07	--
Minimum	0.004	0.02	6.40	--	15.00	281.00	0.0010	10.00	0.28	2.00	--
Maximum	0.03	0.07	7.20	--	26.50	1,070.00	0.0015	92.00	2.09	340.00	--
Count (n)	5	5	5	--	5	5	5	5	5	5	--
Mann-Kendall S	-5	1	-6	--	3	-4	6	2	0	0	--
80% confidence	Negative Trend	No Trend	Negative Trend	--	No Trend	No Trend	Positive Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0004	--	0.002	-0.581	0.0000	0.002	0.0000	-0.122	--
SW-4											
Mean	0.02	0.71	7.29	0.24	13.56	345.13	0.0011	11.69	0.40	54.88	216.00
UCL	0.03	1.29	7.62	0.35	17.06	468.37	0.0012	16.27	0.54	130.17	--
Median	0.02	0.30	7.40	0.24	13.50	265.00	0.0011	10.75	0.35	12.00	216.00
Standard Deviation	0.01	0.86	0.49	0.03	5.21	183.95	0.00015	6.84	0.22	112.38	--
Coefficient of Variation	0.64	1.22	0.07	0.11	0.38	0.53	0.14	0.59	0.55	2.05	--
Skewness	1.86	1.25	-0.28	--	0.30	2.33	2.61	0.09	0.39	2.72	--
Minimum	0.01	0.02	6.50	0.22	6.00	226.00	0.0010	3.00	0.12	2.00	216.00
Maximum	0.06	2.26	8.00	0.26	22.50	778.00	0.0015	21.50	0.74	330.00	216.00
Count (n)	8	8	8	2	8	8	8	8	8	8	1
Mann-Kendall S	6	4	-1	--	0	-4	1	-6	-8	-11	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0001	-0.0001	--	-0.0007	-0.119	0.0000	-0.003	-0.0003	-0.032	--
SW-6											
Mean	0.01	0.83	7.31	0.42	12.14	339.29	0.0010	11.79	0.45	60.14	--
UCL	0.01	2.03	7.57	2.89	17.08	450.69	0.0010	19.94	0.76	106.87	--
Median	0.01	0.09	7.30	0.42	10.00	295.00	0.0010	10.00	0.40	18.00	--
Standard Deviation	0.005	1.46	0.35	0.55	6.73	151.69	0.00	11.10	0.41	63.63	--
Coefficient of Variation	0.51	1.77	0.05	1.31	0.55	0.45	0.00	0.94	0.91	1.06	--
Skewness	0.57	2.15	-0.74	--	2.01	0.58	--	0.97	0.84	0.49	--
Minimum	0.0020	0.03	6.70	0.03	5.50	156.00	0.0010	1.50	0.06	2.00	--
Maximum	0.02	3.72	7.70	0.81	26.50	591.00	0.0010	31.00	1.11	150.00	--
Count (n)	7	6	7	2	7	7	7	7	7	7	--
Mann-Kendall S	-1	4	-6	--	10	-7	0	-7	-5	-11	--
80% confidence	No Trend	No Trend	No Trend	--	Positive Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	-0.0007	--	0.006	-0.238	0.0000	-0.022	-0.0007	-0.146	--
SW-7											
Mean	0.008	0.06	7.47	0.11	20.38	542.33	0.0021	30.50	0.65	182.33	969.00
UCL	0.01	0.28	8.56	--	38.96	1,634.16	0.005	78.24	1.54	704.53	--
Median	0.01	0.06	7.50	0.11	13.25	182.00	0.0010	17.00	0.46	4.00	969.00
Standard Deviation	0.004	0.05	0.65	--	15.80	647.64	0.0023	40.58	0.76	309.75	--
Coefficient of Variation	0.50	0.90	0.09	--	0.78	1.19	1.06	1.33	1.18	1.70	--
Skewness	-2.00	--	-0.23	--	1.96	1.73	2.00	1.29	0.84	1.73	--
Minimum	0.0020	0.02	6.80	0.11	11.00	155.00	0.0010	1.00	0.03	3.00	969.00
Maximum	0.01	0.09	8.10	0.11	44.00	1,290.00	0.006	87.00	1.64	540.00	969.00
Count (n)	4	2	3	1	4	3	4	4	4	3	1
Mann-Kendall S	-3	--	--	--	-4	--	-3	-5	-6	--	--
80% confidence	No Trend	--	--	--	Negative Trend	--	No Trend	Negative Trend	Negative Trend	--	--
90% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	Negative Trend	--	--
95% confidence	No Trend	--	--	--	No Trend	--	No Trend	No Trend	Negative Trend	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
Count (n)	6	--	6	1	6	6	6	6
Mann-Kendall S	1	--	0	--	4	-2	1	1
80% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	--	0.0000	--	0.003	-0.002	0.0000	0.0000
SW-25								
Mean	3,334.00	--	602.00	--	45.60	26.26	0.05	0.009
UCL	3,727.44	--	715.90	--	78.36	41.17	0.05	0.009
Median	3,360.00	--	570.00	--	40.00	29.00	0.04	0.009
Standard Deviation	412.65	--	119.46	--	34.36	15.64	0.008	0.0007
Coefficient of Variation	0.12	--	0.20	--	0.75	0.60	0.18	0.08
Skewness	0.74	--	1.15	--	0.13	-0.36	0.61	2.24
Minimum	2,860.00	--	490.00	--	4.00	6.40	0.04	0.009
Maximum	3,960.00	--	790.00	--	88.00	41.20	0.06	0.01
Count (n)	5	--	5	--	5	5	5	5
Mann-Kendall S	-2	--	2	--	-2	-2	-4	-4
80% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.562	--	0.054	--	-0.129	-0.038	0.0000	0.0000
SW-3								
Mean	361.60	--	138.40	--	696.00	407.82	0.08	0.12
UCL	577.51	--	177.28	--	1,903.15	1,145.03	0.11	0.18
Median	255.00	--	140.00	--	136.00	60.10	0.10	0.13
Standard Deviation	226.45	--	40.78	--	1,266.07	773.20	0.02	0.06
Coefficient of Variation	0.63	--	0.29	--	1.82	1.90	0.30	0.52
Skewness	1.74	--	-0.23	--	2.23	2.23	-0.61	0.57
Minimum	186.00	--	82.00	--	80.00	37.80	0.06	0.05
Maximum	746.00	--	190.00	--	2,960.00	1,790.00	0.10	0.22
Count (n)	5	--	5	--	5	5	5	5
Mann-Kendall S	-2	--	-10	--	0	-2	-4	2
80% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
90% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	Negative Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.521	--	-0.142	--	-0.032	-0.020	0.0000	0.0000
SW-4								
Mean	256.86	--	130.50	0.37	367.29	1,374.43	0.09	0.10
UCL	377.85	--	154.59	0.62	660.73	3,666.67	0.10	0.15
Median	190.00	--	130.00	0.37	294.00	262.00	0.09	0.10
Standard Deviation	164.75	--	35.95	0.06	399.59	3,121.31	0.004	0.08
Coefficient of Variation	0.64	--	0.28	0.15	1.09	2.27	0.04	0.81
Skewness	2.10	--	0.55	--	2.12	2.63	1.44	0.33
Minimum	152.00	--	93.00	0.33	46.00	26.30	0.09	0.01
Maximum	608.00	--	190.00	0.41	1,230.00	8,440.00	0.10	0.21
Count (n)	7	--	8	2	7	7	8	8
Mann-Kendall S	-15	--	5	--	-5	-4	8	11
80% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	Positive Trend	Positive Trend
90% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	Positive Trend
95% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.192	--	0.005	--	-0.242	-0.427	0.0000	0.0001
SW-6								
Mean	244.43	--	106.57	1.23	2,011.14	15,029.11	0.09	0.05
UCL	353.01	--	126.04	8.64	4,966.37	42,569.10	0.09	0.08
Median	181.00	--	110.00	1.23	200.00	111.00	0.08	0.03
Standard Deviation	147.86	--	26.51	1.66	4,024.08	37,500.74	0.009	0.04
Coefficient of Variation	0.60	--	0.25	1.36	2.00	2.50	0.10	0.94
Skewness	0.85	--	-0.01	--	2.49	2.64	1.23	1.03
Minimum	92.00	--	63.00	0.05	25.00	8.70	0.08	0.01
Maximum	500.00	--	150.00	2.40	11,000.00	100,000.00	0.10	0.12
Count (n)	7	--	7	2	7	7	7	7
Mann-Kendall S	-5	--	12	--	-3	-3	6	-8
80% confidence	No Trend	--	Positive Trend	--	No Trend	No Trend	No Trend	Negative Trend
90% confidence	No Trend	--	Positive Trend	--	No Trend	No Trend	No Trend	No Trend
95% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.168	--	0.029	--	-0.131	-0.075	0.0000	0.0000
SW-7								
Mean	139.00	--	130.33	0.40	34.00	19.85	0.08	0.10
UCL	277.91	--	290.63	--	160.28	77.62	0.11	0.23
Median	139.00	--	80.00	0.40	34.00	19.85	0.08	0.07
Standard Deviation	31.11	--	95.08	--	28.28	12.94	0.03	0.11
Coefficient of Variation	0.22	--	0.73	--	0.83	0.65	0.34	1.10
Skewness	--	--	1.71	--	--	--	0.0000000000000008	1.32
Minimum	117.00	--	71.00	0.40	14.00	10.70	0.06	0.008
Maximum	161.00	--	240.00	0.40	54.00	29.00	0.10	0.25
Count (n)	2	--	3	1	2	2	4	4
Mann-Kendall S	--	--	--	--	--	--	0	-4
80% confidence	--	--	--	--	--	--	No Trend	Negative Trend
90% confidence	--	--	--	--	--	--	No Trend	No Trend
95% confidence	--	--	--	--	--	--	No Trend	No Trend
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	ALUMINUM (AL) (mg/L)	ARSENIC (AS) (mg/L)	BARIUM (BA) (mg/L)	BERYLLIUM (BE) (mg/L)	BICARBONATE ALKALINITY AS HCO3 (mg/L)	BORON (B) (mg/L)	CADMIUM (CD) (mg/L)	CALCIUM (CA) (mg/L)	CARBONATE AS CO3 (mg/L)	CHLORIDE (CL) (mg/L)
SW-8										
Mean	0.12	0.0025	0.05	0.0010	546.25	0.09	0.00007	216.38	3.38	7.88
UCL	0.17	0.0026	0.07	0.0010	571.30	0.11	0.00007	256.84	5.98	10.10
Median	0.10	0.0026	0.05	0.0010	545.00	0.09	0.00007	237.25	2.00	9.00
Standard Deviation	0.08	0.00014	0.02	0.00005	37.39	0.02	0.000006	60.40	3.89	3.31
Coefficient of Variation	0.62	0.06	0.40	0.06	0.07	0.22	0.08	0.28	1.15	0.42
Skewness	1.42	-0.64	0.63	0.000000000000008	-0.48	0.29	1.44	-1.06	2.83	-0.80
Minimum	0.05	0.0023	0.02	0.0009	480.00	0.07	0.00007	98.00	2.00	3.00
Maximum	0.28	0.0026	0.09	0.0010	590.00	0.12	0.00008	290.00	13.00	11.00
Count (n)	8	8	8	8	8	8	8	8	8	8
Mann-Kendall S	1	-9	-18	-16	1	-5	4	-22	3	-13
80% confidence	No Trend	Negative Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
90% confidence	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend
95% confidence	No Trend	No Trend	Negative Trend	Negative Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.153	0.0000	-0.005
SW-9										
Mean	0.27	0.0031	0.05	0.0010	405.83	0.21	0.00009	251.38	4.00	23.50
UCL	0.33	0.004	0.06	0.0010	514.80	0.27	0.00010	294.20	6.56	29.89
Median	0.30	0.0030	0.05	0.0010	415.00	0.20	0.00008	288.00	1.90	22.00
Standard Deviation	0.11	0.0019	0.02	0.000012	210.17	0.12	0.000029	82.59	4.95	12.33
Coefficient of Variation	0.42	0.60	0.30	0.01	0.52	0.55	0.34	0.33	1.24	0.52
Skewness	-0.01	2.31	0.29	-0.81	-0.01	0.27	2.85	-1.31	2.13	0.97
Minimum	0.10	0.0010	0.03	0.0010	110.00	0.06	0.00006	87.00	1.90	6.00
Maximum	0.50	0.009	0.08	0.0010	710.00	0.40	0.00018	341.00	16.00	51.00
Count (n)	12	12	12	12	12	12	12	12	12	12
Mann-Kendall S	-15	-15	12	-18	27	7	-21	4	15	-17
80% confidence	Negative Trend	Negative Trend	No Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend	Negative Trend
90% confidence	No Trend	No Trend	No Trend	Negative Trend	Positive Trend	No Trend	Negative Trend	No Trend	Positive Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	No Trend	Positive Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	0.0000	0.383	0.0000	0.0000	0.003	0.0000	-0.009
TARTER DOMESTIC WELL										
Mean	0.10	0.0030	0.02	0.0010	650.00	0.27	0.00008	198.00	4.00	12.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.10	0.0030	0.02	0.0010	650.00	0.27	0.00008	198.00	4.00	12.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.10	0.0030	0.02	0.0010	650.00	0.27	0.00008	198.00	4.00	12.00
Maximum	0.10	0.0030	0.02	0.0010	650.00	0.27	0.00008	198.00	4.00	12.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
TARTER STOCK WELL										
Mean	5.40	0.007	0.28	0.0010	1,000.00	0.16	0.00030	15.50	25.00	7.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	5.40	0.007	0.28	0.0010	1,000.00	0.16	0.00030	15.50	25.00	7.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	5.40	0.007	0.28	0.0010	1,000.00	0.16	0.00030	15.50	25.00	7.00
Maximum	5.40	0.007	0.28	0.0010	1,000.00	0.16	0.00030	15.50	25.00	7.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
TARTER YARD WELL										
Mean	0.10	0.0030	0.02	0.0010	650.00	0.24	0.00008	255.50	4.00	18.00
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.10	0.0030	0.02	0.0010	650.00	0.24	0.00008	255.50	4.00	18.00
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.10	0.0030	0.02	0.0010	650.00	0.24	0.00008	255.50	4.00	18.00
Maximum	0.10	0.0030	0.02	0.0010	650.00	0.24	0.00008	255.50	4.00	18.00
Count (n)	1	1	1	1	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	CHROMIUM (CR) (mg/L)	COPPER (CU) (mg/L)	FLUORIDE (F) (mg/L)	HYDROXIDE (OH) (mg/L)	IRON (FE) (mg/L)	LEAD (PB) (mg/L)	MAGNESIUM (MG) (mg/L)	MANGANESE (MN) (mg/L)	MERCURY (HG) (mg/L)	MOLYBDENUM (MO) (mg/L)
SW-8										
Mean	0.0010	0.0011	0.28	--	0.16	0.0005	133.63	0.49	0.00004	0.005
UCL	0.0010	0.0012	0.31	--	0.26	0.0005	158.86	1.26	0.00005	0.005
Median	0.0010	0.0010	0.30	--	0.10	0.0005	141.00	0.03	0.00004	0.005
Standard Deviation	0.00	0.00018	0.05	--	0.14	0.00005	37.67	1.14	0.000012	0.00
Coefficient of Variation	0.00	0.17	0.17	--	0.86	0.10	0.28	2.32	0.31	0.00
Skewness	--	2.83	-1.44	--	1.88	-0.32	-0.88	2.77	-0.0000000000000017	--
Minimum	0.0010	0.0010	0.20	--	0.04	0.0004	66.00	0.01	0.000028	0.005
Maximum	0.0010	0.0015	0.30	--	0.47	0.0006	169.00	3.31	0.00005	0.005
Count (n)	8	8	8	--	8	8	8	8	8	8
Mann-Kendall S	0	5	-2	--	8	-7	-20	-5	-16	0
80% confidence	No Trend	No Trend	No Trend	--	Positive Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	Negative Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	0.0000	0.0000	-0.085	0.0000	0.0000	0.0000
SW-9										
Mean	0.0014	0.005	0.48	--	0.74	0.0008	346.13	0.42	0.00004	0.005
UCL	0.0018	0.006	0.66	--	1.20	0.0012	432.34	0.65	0.00004	0.005
Median	0.0010	0.004	0.35	--	0.33	0.0006	351.25	0.17	0.00005	0.005
Standard Deviation	0.0008	0.0026	0.35	--	0.90	0.0007	166.28	0.45	0.000005	0.0000000000000000009
Coefficient of Variation	0.56	0.55	0.72	--	1.22	0.93	0.48	1.07	0.11	0.0000000000000018
Skewness	1.92	0.95	2.03	--	2.26	3.21	-0.32	0.74	-1.33	1.15
Minimum	0.0010	0.0025	0.20	--	0.09	0.00030	51.50	0.02	0.00004	0.005
Maximum	0.0030	0.01	1.40	--	3.18	0.0031	643.50	1.15	0.00005	0.005
Count (n)	12	12	12	--	12	12	12	12	12	12
Mann-Kendall S	3	-15	-6	--	-11	-12	-2	-18	-21	0
80% confidence	No Trend	Negative Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	No Trend
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	Negative Trend	No Trend
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Sen Slope	0.0000	0.0000	0.0000	--	-0.0002	0.0000	-0.014	-0.0001	0.0000	0.0000
TARTER DOMESTIC WELL										
Mean	0.0010	0.15	0.50	--	0.05	0.0007	237.00	0.005	0.00005	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.15	0.50	--	0.05	0.0007	237.00	0.005	0.00005	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.15	0.50	--	0.05	0.0007	237.00	0.005	0.00005	0.005
Maximum	0.0010	0.15	0.50	--	0.05	0.0007	237.00	0.005	0.00005	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
TARTER STOCK WELL										
Mean	0.02	0.05	2.00	--	18.90	0.02	9.00	0.39	0.00011	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.02	0.05	2.00	--	18.90	0.02	9.00	0.39	0.00011	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.02	0.05	2.00	--	18.90	0.02	9.00	0.39	0.00011	0.005
Maximum	0.02	0.05	2.00	--	18.90	0.02	9.00	0.39	0.00011	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--
TARTER YARD WELL										
Mean	0.0010	0.005	0.60	--	0.26	0.0009	352.00	0.007	0.00005	0.005
UCL	--	--	--	--	--	--	--	--	--	--
Median	0.0010	0.005	0.60	--	0.26	0.0009	352.00	0.007	0.00005	0.005
Standard Deviation	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--
Minimum	0.0010	0.005	0.60	--	0.26	0.0009	352.00	0.007	0.00005	0.005
Maximum	0.0010	0.005	0.60	--	0.26	0.0009	352.00	0.007	0.00005	0.005
Count (n)	1	1	1	--	1	1	1	1	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	NICKEL (NI) (mg/L)	NITRATE + NITRITE AS N (mg/L)	pH - LAB (s.u.)	PHOSPHORUS (P) (mg/L)	POTASSIUM (K) (mg/L)	SC (UMHOS/CM AT 25 C) (umhos/cm)	SELENIUM (SE) (mg/L)	SODIUM (NA) (mg/L)	SODIUM ADSORPTION RATIO (unitless)	SULFATE (SO4) (mg/L)	TDS - CALCULATED (mg/L)
SW-8											
Mean	0.008	0.04	7.89	0.010	10.56	2,691.25	0.0012	295.56	3.87	1,266.25	--
UCL	0.010	0.07	8.03	0.02	12.02	3,053.70	0.0015	337.53	4.13	1,512.73	--
Median	0.008	0.01	7.95	0.010	10.75	2,855.00	0.0010	302.50	3.94	1,300.00	--
Standard Deviation	0.0024	0.04	0.21	0.0021	2.18	540.99	0.0005	62.64	0.39	367.89	--
Coefficient of Variation	0.29	1.08	0.03	0.22	0.21	0.20	0.45	0.21	0.10	0.29	--
Skewness	-2.28	1.00	-0.89	--	-1.22	-1.23	2.83	-0.82	-0.43	-1.01	--
Minimum	0.0025	0.01	7.50	0.008	6.00	1,610.00	0.0010	186.50	3.25	560.00	--
Maximum	0.01	0.11	8.10	0.01	13.50	3,310.00	0.0025	364.50	4.29	1,600.00	--
Count (n)	8	8	8	2	8	8	8	8	8	8	--
Mann-Kendall S	1	-6	-2	--	-1	-17	5	-20	-14	-22	--
80% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	Negative Trend	Negative Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	Negative Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	Negative Trend	No Trend	Negative Trend	--
Sen Slope	0.0000	0.0000	-0.0001	--	-0.0004	-1.006	0.0000	-0.133	-0.0006	-0.776	--
SW-9											
Mean	0.01	0.10	7.66	0.15	25.13	5,242.50	0.0027	829.04	7.79	3,247.50	--
UCL	0.01	0.17	7.92	0.16	32.52	6,327.70	0.005	1,009.35	8.61	3,978.57	--
Median	0.01	0.02	7.65	0.15	18.00	6,005.00	0.0010	838.00	8.14	3,600.00	--
Standard Deviation	0.004	0.15	0.50	0.0014	14.27	2,093.11	0.005	347.78	1.57	1,410.07	--
Coefficient of Variation	0.40	1.53	0.07	0.009	0.57	0.40	1.79	0.42	0.20	0.43	--
Skewness	0.56	1.72	0.03	--	1.29	-1.20	3.37	-0.65	-2.52	-1.09	--
Minimum	0.004	0.01	7.00	0.15	12.50	1,220.00	0.0010	141.00	3.21	480.00	--
Maximum	0.02	0.45	8.30	0.15	57.50	7,470.00	0.02	1,430.00	9.36	5,000.00	--
Count (n)	12	12	12	2	12	12	12	12	12	12	--
Mann-Kendall S	-12	-3	14	--	-16	6	-2	2	6	-1	--
80% confidence	Negative Trend	No Trend	Positive Trend	--	Negative Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
90% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
95% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
99% confidence	No Trend	No Trend	No Trend	--	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	--
Sen Slope	0.0000	0.0000	0.0005	--	-0.013	0.311	0.0000	0.004	0.0002	-0.076	--
TARTER DOMESTIC WELL											
Mean	0.01	2.66	8.00	--	14.50	4,010.00	0.02	549.50	6.27	2,000.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.01	2.66	8.00	--	14.50	4,010.00	0.02	549.50	6.27	2,000.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	2.66	8.00	--	14.50	4,010.00	0.02	549.50	6.27	2,000.00	--
Maximum	0.01	2.66	8.00	--	14.50	4,010.00	0.02	549.50	6.27	2,000.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
TARTER STOCK WELL											
Mean	0.03	0.01	8.50	--	4.50	1,510.00	0.0010	362.50	50.30	5.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.03	0.01	8.50	--	4.50	1,510.00	0.0010	362.50	50.30	5.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.03	0.01	8.50	--	4.50	1,510.00	0.0010	362.50	50.30	5.00	--
Maximum	0.03	0.01	8.50	--	4.50	1,510.00	0.0010	362.50	50.30	5.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--
TARTER YARD WELL											
Mean	0.01	3.94	8.00	--	14.00	6,460.00	0.03	1,115.00	10.80	3,800.00	--
UCL	--	--	--	--	--	--	--	--	--	--	--
Median	0.01	3.94	8.00	--	14.00	6,460.00	0.03	1,115.00	10.80	3,800.00	--
Standard Deviation	--	--	--	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--	--	--	--
Minimum	0.01	3.94	8.00	--	14.00	6,460.00	0.03	1,115.00	10.80	3,800.00	--
Maximum	0.01	3.94	8.00	--	14.00	6,460.00	0.03	1,115.00	10.80	3,800.00	--
Count (n)	1	1	1	--	1	1	1	1	1	1	--
Mann-Kendall S	--	--	--	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--	--	--	--

TABLE 5 SUMMARY OF STATS (27-Oct-2010-16-Jul-2014)	TDS (MEASURED AT 180 C) (mg/L)	TOTAL ACIDITY AS CACO3 (mg/L)	TOTAL ALKALINITY AS CACO3 (mg/L)	TOTAL AMMONIA (NH3+NH4 AS N) (mg/L)	TOTAL SUSPENDED SOLIDS (mg/L)	TURBIDITY (NTU) - LAB (NTU)	VANADIUM (V) (mg/L)	ZINC (ZN) (mg/L)
SW-8								
Mean	2,342.50	--	450.00	0.05	13.75	4.64	0.08	0.010
UCL	2,796.39	--	468.26	0.05	21.21	8.59	0.08	0.010
Median	2,375.00	--	450.00	0.05	11.00	2.25	0.08	0.010
Standard Deviation	677.47	--	27.26	0.00	11.13	5.90	0.006	0.0005
Coefficient of Variation	0.29	--	0.06	0.00	0.81	1.27	0.08	0.05
Skewness	-0.66	--	-0.68	--	1.18	1.74	-0.64	-1.94
Minimum	1,150.00	--	400.00	0.05	4.00	0.70	0.07	0.009
Maximum	3,100.00	--	480.00	0.05	36.00	17.00	0.08	0.01
Count (n)	8	--	8	2	8	8	8	8
Mann-Kendall S	-22	--	4	--	4	13	-9	1
80% confidence	Negative Trend	--	No Trend	--	No Trend	Positive Trend	Negative Trend	No Trend
90% confidence	Negative Trend	--	No Trend	--	No Trend	Positive Trend	No Trend	No Trend
95% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	Negative Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-1.684	--	0.008	--	0.008	0.007	0.0000	0.0000
SW-9								
Mean	5,214.83	--	335.33	0.08	152.17	68.40	0.09	0.07
UCL	6,335.06	--	426.86	0.23	255.91	125.69	0.09	0.11
Median	6,135.00	--	340.00	0.08	65.00	16.90	0.09	0.04
Standard Deviation	2,160.69	--	176.53	0.04	200.11	110.50	0.006	0.08
Coefficient of Variation	0.41	--	0.53	0.47	1.32	1.62	0.07	1.08
Skewness	-1.32	--	-0.005	--	1.79	1.89	-0.81	1.33
Minimum	868.00	--	87.00	0.05	12.00	2.90	0.08	0.009
Maximum	7,570.00	--	600.00	0.10	592.00	323.00	0.09	0.24
Count (n)	12	--	12	2	12	12	12	12
Mann-Kendall S	-4	--	26	--	-19	-19	-18	-23
80% confidence	No Trend	--	Positive Trend	--	Negative Trend	Negative Trend	Negative Trend	Negative Trend
90% confidence	No Trend	--	Positive Trend	--	No Trend	No Trend	Negative Trend	Negative Trend
95% confidence	No Trend	--	Positive Trend	--	No Trend	No Trend	No Trend	No Trend
99% confidence	No Trend	--	No Trend	--	No Trend	No Trend	No Trend	No Trend
Sen Slope	-0.245	--	0.345	--	-0.076	-0.033	0.0000	-0.0001
TARTER DOMESTIC WELL								
Mean	3,630.00	--	530.00	--	--	--	0.10	0.02
UCL	--	--	--	--	--	--	--	--
Median	3,630.00	--	530.00	--	--	--	0.10	0.02
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	3,630.00	--	530.00	--	--	--	0.10	0.02
Maximum	3,630.00	--	530.00	--	--	--	0.10	0.02
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
TARTER STOCK WELL								
Mean	946.00	--	900.00	--	--	--	0.10	0.72
UCL	--	--	--	--	--	--	--	--
Median	946.00	--	900.00	--	--	--	0.10	0.72
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	946.00	--	900.00	--	--	--	0.10	0.72
Maximum	946.00	--	900.00	--	--	--	0.10	0.72
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--
TARTER YARD WELL								
Mean	6,110.00	--	530.00	--	--	--	0.10	0.36
UCL	--	--	--	--	--	--	--	--
Median	6,110.00	--	530.00	--	--	--	0.10	0.36
Standard Deviation	--	--	--	--	--	--	--	--
Coefficient of Variation	--	--	--	--	--	--	--	--
Skewness	--	--	--	--	--	--	--	--
Minimum	6,110.00	--	530.00	--	--	--	0.10	0.36
Maximum	6,110.00	--	530.00	--	--	--	0.10	0.36
Count (n)	1	--	1	--	--	--	1	1
Mann-Kendall S	--	--	--	--	--	--	--	--
80% confidence	--	--	--	--	--	--	--	--
90% confidence	--	--	--	--	--	--	--	--
95% confidence	--	--	--	--	--	--	--	--
99% confidence	--	--	--	--	--	--	--	--
Sen Slope	--	--	--	--	--	--	--	--