

Appendix G

Field QC Analysis

Sample ID	3-027E2-1218	3-027E2-1218D		3-043-0613	3-043-0613D		3-045E-1218	3-045E-1218D		3-045N2-1218	3-045N2-1218D												
Location ID	3-027E2	3-027E2		3-043	3-043		3-045E	3-045E		3-045N2	3-045N2												
Location Name																							
Sample Date	2/11/2015	2/11/2015		11/7/2014	11/7/2014		11/25/2014	11/25/2014		11/26/2014	11/26/2014												
Start Depth	12	12		6	6		12	12		12	12												
End Depth	18	18	RPD	13	13	RPD	18	18	RPD	18	18	RPD											
Depth Unit	in	in		in	in		in	in		in	in												
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q									
(None)																							
7439-92-1	LEAD	mg/kg	90		25		113.04%	621		271		78.48%	17		16		6.06%	28		17		48.89%	
7440-38-2	ARSENIC	mg/kg	149		28		136.72%	1110		392		95.61%	8		9		11.76%	21		11		62.50%	
7440-43-9	CADMIUM	mg/kg	2		1	U		7		8		13.33%	1	U	1	U		1	U	1	U		
7440-50-8	COPPER	mg/kg	869		138		145.18%	5120		4420		14.68%	146		71		69.12%	193		67		96.92%	
7440-66-6	ZINC	mg/kg	457		114		120.14%	2260		2570		12.84%	196		623		104.27%	141		100		34.02%	
PH-SATURATED	pH, sat. paste	S.U.	7.5		7.5		0.00%	7.6		7.6		0.00%	7.3		7.4		1.36%	7.7		7.6		1.31%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			1567		306			9118		7661			368		720			384		196			
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																							
AVD = Duplicate result exceeded absolute difference criteria																							

Sample ID	3-048-1218	3-048-1218D		3-066E-1218	3-066E-1218D		3-073-2430	3-073-2430D		3-089-1218	3-089-1218D		3-099-1824	3-099-1824D													
Location ID	3-048	3-048		3-066E	3-066E		3-073	3-073		3-089	3-089		3-099	3-099													
Location Name																											
Sample Date	11/26/2014	11/26/2014		12/3/2014	12/3/2014		11/6/2014	11/6/2014		10/30/2014	10/30/2014		11/6/2014	11/6/2014													
Start Depth	12	12		12	12		24	24		12	12		18	18													
End Depth	18	18	RPD	18	18	RPD	30	30	RPD	18	18	RPD	24	24	RPD												
Depth Unit	in	in		in	in		in	in		in	in		in	in													
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																											
7439-92-1	LEAD	mg/kg	26		15		53.66%	34		33		2.99%	13		17		26.67%	20		14		35.29%	17		18		5.71%
7440-38-2	ARSENIC	mg/kg	35		23		41.38%	39		42		7.41%	107		1160		166.22%	15		9		50.00%	5		6		18.18%
7440-43-9	CADMIUM	mg/kg	1 U		1 U			1 U		1 U			1 U		1 U			1 U		1 U			1 U		1 U		
7440-50-8	COPPER	mg/kg	368		158		79.85%	130		144		10.22%	42		93		75.56%	138		42		106.67%	35		39		10.81%
7440-66-6	ZINC	mg/kg	231		144		46.40%	136		145		6.41%	84		989		168.69%	124		79		44.33%	79		76		3.87%
PH-SATURATED	pH, sat. paste	S.U.	7.9		7.9		0.00%	7.9		7.8		1.27%	7.5		7.5		0.00%	7.8		7.8		0.00%	7.7		7.8		1.29%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			661		341			340		365			247		2260			298		145			137		140		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	3-100-1218	3-100-1218D		3-106-1218	3-106-1218D		3-119-1218	3-119-1218D		3-127-1218	3-127-1218D		3-138W-0612	3-138W-0612D		3-138W2-0006	3-138W2-0006D																				
Location ID	3-100	3-100		3-106	3-106		3-119	3-119		3-127	3-127		3-138W	3-138W		3-138W	3-138W2																				
Location Name																																					
Sample Date	10/31/2014	10/31/2014		11/24/2014	11/24/2014		12/4/2014	12/4/2014		11/6/2014	11/6/2014		11/5/2014	11/5/2014		11/5/2014	11/5/2014																				
Start Depth	12	12		12	12		12	12		12	12		6	6		0	0																				
End Depth	18	18	RPD	18	18	RPD	18	18	RPD	18	18	RPD	12	12	RPD	6	6	RPD																			
Depth Unit	in	in		in	in		in	in		in	in		in	in		in	in																				
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q																	
(None)																																					
7439-92-1	LEAD	mg/kg	992		927		6.77%		25		17		38.10%		14		16		13.33%		68		22		102.22%		14		12		15.38%		189		208		9.57%
7440-38-2	ARSENIC	mg/kg	980		1100		11.54%		37		20		59.65%		5		6		18.18%		66		17		118.07%		15		11		30.77%		249		228		8.81%
7440-43-9	CADMIUM	mg/kg	18		19		5.41%		1	U	1	U			1	U	1	U			1	U	1	U			1	U	1	U		3		4		28.57%	
7440-50-8	COPPER	mg/kg	12200		11800		3.33%		243		87		94.55%		31		52		50.60%		470		97		131.57%		54		34		45.45%		1090		1160		6.22%
7440-66-6	ZINC	mg/kg	4250		4510		5.94%		225		383		51.97%		144		153		6.06%		529		151		111.18%		111		85		26.53%		866		1030		17.30%
PH-SATURATED	pH, sat. paste	S.U.	7.7		7.8		1.29%		7.8		7.7		1.29%		7.5		7.3		2.70%		7.6		7.7		1.31%		8		7.9		1.26%		8.1		8		1.24%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			18440		18356				531		508				195		228				1134		288				195		143				2397		2630		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																																					
AVD = Duplicate result exceeded absolute difference criteria																																					

Sample ID	3-145-1218	3-145-1218D		3-149-2430	3-149-2430D		3-155-1824	3-155-1824D		3-161-0006	3-161-0006D		3-163W-0006	3-163W-0006D													
Location ID	3-145	3-145		3-149	3-149		3-155	3-155		3-161	3-161		3-163W	3-163W													
Location Name																											
Sample Date	12/8/2014	12/8/2014		11/3/2014	11/3/2014		12/5/2014	12/5/2014		11/3/2014	11/3/2014		11/5/2014	11/5/2014													
Start Depth	12	12		24	24		18	18		0	0		0	0													
End Depth	18	18	RPD	30	30	RPD	24	24	RPD	6	6	RPD	6	6	RPD												
Depth Unit	in	in		in	in		in	in		in	in		in	in													
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																											
7439-92-1	LEAD	mg/kg	1970		574		109.75%	11		11		0.00%	28		22		24.00%	443		458		3.33%	183		43		123.89%
7440-38-2	ARSENIC	mg/kg	2010		834		82.70%	6		6		0.00%	22		9		83.87%	652		673		3.17%	248		59		123.13%
7440-43-9	CADMIUM	mg/kg	17		9		61.54%	1	U	1	U		1	U	1	U		4		4			3		1	U	AVD
7440-50-8	COPPER	mg/kg	17100		6870		85.36%	202		132		41.92%	157		81		63.87%	3190		3240		1.56%	1250		270		128.95%
7440-66-6	ZINC	mg/kg	4080		2260		57.41%	461		159		97.42%	210		155		30.14%	1250		1280		2.37%	955		252		116.49%
PH-SATURATED	pH, sat. paste	S.U.	7.8		7.5		3.92%	7.5		7.3		2.70%	7.4		7.4		0.00%	7.4		7.5		1.34%	7.8		7.7		1.29%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			25177		10547			681		309			418		268			5539		5655			2639		625		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	3-163W2-0006	3-163W2-0006D		3-163W3-0006	3-163W3-0006D		3-166-1218	3-166-1218D		3-167-2430	3-167-2430D		3-172-1824	3-172-1824D													
Location ID	3-163W2	3-163W2		3-163W3	3-163W3		3-166	3-166		3-167	3-167		3-172	3-172													
Location Name																											
Sample Date	11/5/2014	11/5/2014		11/5/2014	11/5/2014		12/8/2014	12/8/2014		11/3/2014	11/3/2014		11/4/2014	11/4/2014													
Start Depth	0	0		0	0		12	12		24	24		18	18													
End Depth	6	6	RPD	6	6	RPD	18	18	RPD	30	30	RPD	24	24	RPD												
Depth Unit	in	in		in	in		in	in		in	in		in	in													
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																											
7439-92-1	LEAD	mg/kg	223		229		2.65%	399		487		19.86%	32		24		28.57%	51		33		42.86%	19		25		27.27%
7440-38-2	ARSENIC	mg/kg	297		200		39.03%	472	J	561		17.23%	53		47		12.00%	77		34		77.48%	9		22		83.87%
7440-43-9	CADMIUM	mg/kg	4		2		AVD	5		6		18.18%	2		1	U		1	U	1	U		1	U	1	U	
7440-50-8	COPPER	mg/kg	1070		1030		3.81%	1750		1860		6.09%	485		307		44.95%	658		391		50.91%	68		219		105.23%
7440-66-6	ZINC	mg/kg	1020		684		39.44%	1650		1830		10.34%	744		707		5.10%	596		269		75.61%	213		332		43.67%
PH-SATURATED	pH, sat. paste	S.U.	8		8		0.00%	7.7		7.8		1.29%	7.8		7.8		0.00%	7.4		7.2		2.74%	7.2		7.2		0.00%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			2614		2145			4276		4744			1316		1086			1383		728			310		599		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	3-177-1824	3-177-1824D		3-178W-0006	3-178W-0006D		3-183-1218	3-183-1218D		3-192-1218	3-192-1218D		3-212-1824	3-212-1824D													
Location ID	3-177	3-177		3-178W	3-178W		3-183	3-183		3-192	3-192		3-212	3-212													
Location Name																											
Sample Date	12/8/2014	12/8/2014		11/5/2014	11/5/2014		11/4/2014	11/4/2014		12/9/2014	12/9/2014		12/9/2014	12/9/2014													
Start Depth	18	18		0	0		12	12		12	12		18	18													
End Depth	24	24	RPD	6	6	RPD	18	18	RPD	18	18	RPD	24	24	RPD												
Depth Unit	in	in		in	in		in	in		in	in		in	in													
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																											
7439-92-1	LEAD	mg/kg	8		11		31.58%	39		52		28.57%	1890		1980		4.65%	408		468		13.70%	21		13		47.06%
7440-38-2	ARSENIC	mg/kg	10		7		35.29%	100		103		2.96%	2140		596		112.87%	291		353		19.25%	29		20		36.73%
7440-43-9	CADMIUM	mg/kg	15		11		30.77%	2		2		0.00%	19		18		5.41%	3		4		28.57%	1		1	U	
7440-50-8	COPPER	mg/kg	1200		3550		98.95%	202		257		23.97%	19900		10100		65.33%	2520		2230		12.21%	392		44		159.63%
7440-66-6	ZINC	mg/kg	5250		4450		16.49%	170		215		23.38%	4450		4300		3.43%	1020		1190		15.38%	452		127		112.26%
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.6		0.00%	7.8		7.8		0.00%	7.2		7.3		1.38%	7.7		7.7		0.00%	7.7		7.8		1.29%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			6483		8029			513		629			28399		16994			4242		4245			895		205		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	3-235-1824	3-235-1824D		3-236-2430	3-236-2430D		3-244-1218	3-244-1218D		3-268-0006	3-268-0006D											
Location ID	3-235	3-235		3-236	3-236		3-244	3-244		3-268	3-268											
Location Name																						
Sample Date	12/17/2014	12/17/2014		12/17/2014	12/17/2014		11/13/2014	11/13/2014		11/11/2014	11/11/2014											
Start Depth	18	18		24	24		12	12		0	0											
End Depth	24	24	RPD	30	30	RPD	18	18	RPD	6	6	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q										
(None)																						
7439-92-1	LEAD	mg/kg	12		9		28.57%	22		19		14.63%	18		18		0.00%	822		510		46.85%
7440-38-2	ARSENIC	mg/kg	9		4		76.92%	69		55		22.58%	73		52		33.60%	1090		658		49.43%
7440-43-9	CADMIUM	mg/kg	3		3		0.00%	1 U		1 U			12		24		66.67%	14		8		54.55%
7440-50-8	COPPER	mg/kg	807		1020		23.32%	134		81		49.30%	31100		9630		105.43%	10400		6300		49.10%
7440-66-6	ZINC	mg/kg	528		626		16.98%	90		71		23.60%	3940		2620		40.24%	2820		1990		34.51%
PH-SATURATED	pH, sat. paste	S.U.	6.8		7		2.90%	7		7.2		2.82%	7.5		7.6		1.32%	7.6		7.7		1.31%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			1359		1662			316		227			35143		12344			15146		9466		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	3-281-1218	3-281-1218D		3-288-1218	3-288-1218D		3-293-1218	3-293-1218D		3-329W-1218	3-329W-1218D											
Location ID	3-281	3-281		3-288	3-288		3-293	3-293		3-329W	3-329W											
Location Name																						
Sample Date	11/17/2014	11/17/2014		11/21/2014	11/21/2014		12/10/2014	12/10/2014		11/19/2014	11/19/2014											
Start Depth	12	12		12	12		12	12		12	12											
End Depth	18	18	RPD	18	18	RPD	18	18	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q						
(None)																						
7439-92-1	LEAD	mg/kg	9		10		10.53%	308		252		20.00%	67		462		149.34%	80		26		101.89%
7440-38-2	ARSENIC	mg/kg	8		8		0.00%	299		320		6.79%	100		906		160.24%	158		36		125.77%
7440-43-9	CADMIUM	mg/kg	7		3		80.00%	5		5		0.00%	9		17		61.54%	27		11		84.21%
7440-50-8	COPPER	mg/kg	1310		345		116.62%	2100		1820		14.29%	4130		15800		117.11%	7230		1400		135.11%
7440-66-6	ZINC	mg/kg	2660		708		115.91%	1670		1580		5.54%	3070		5310		53.46%	4650		2430		62.71%
PH-SATURATED	pH, sat. paste	S.U.	7.3		7.7		5.33%	7.7		7.8		1.29%	8		7.9		1.26%	7.4		7.5		1.34%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			3994		1074			4382		3977			7376		22495			12145		3903		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	3-333-1218	3-333-1218D		3-338-1218	3-338-1218D		3-355-1218	3-355-1218D									
Location ID	3-333	3-333		3-338	3-338		3-355	3-355									
Location Name																	
Sample Date	11/20/2014	11/20/2014		12/18/2014	12/18/2014		11/19/2014	11/19/2014									
Start Depth	12	12		12	12		12	12									
End Depth	18	18	RPD	18	18	RPD	18	18	RPD								
Depth Unit	in	in		in	in		in	in									
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q					
(None)																	
7439-92-1	LEAD	mg/kg	21		46		74.63%	388		560		36.29%	19		18		5.41%
7440-38-2	ARSENIC	mg/kg	16		26		47.62%	430		516		18.18%	27		30		10.53%
7440-43-9	CADMIUM	mg/kg	1 U		1 U			4		5		22.22%	1 U		1 U		
7440-50-8	COPPER	mg/kg	103		267		88.65%	2980		4320		36.71%	98		105		6.90%
7440-66-6	ZINC	mg/kg	317		454		35.54%	1590		1730		8.43%	104		97		6.97%
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.5		1.32%	7.6		7.6		0.00%	8		7.9		1.26%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			458		794			5392		7131			249		251		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																	
AVD = Duplicate result exceeded absolute difference criteria																	

Sample ID	3-370-1824	3-370-1824D		3-370E-0612	3-370E-0612D		3-376S-1824	3-376S-1824D		3-378-1824	3-378-1824D		3-381-1218	3-381-1218D													
Location ID	3-370	3-370		3-370E	3-370E		3-376S	3-376S		3-378	3-378		3-381	3-381													
Location Name																											
Sample Date	11/19/2014	11/19/2014		11/19/2014	11/19/2014		12/17/2014	12/17/2014		12/15/2014	12/15/2014		11/20/2014	11/20/2014													
Start Depth	18	18		6	6		18	18		18	18		12	12													
End Depth	24	24	RPD	12	12	RPD	24	24	RPD	24	24	RPD	18	18	RPD												
Depth Unit	in	in		in	in		in	in		in	in		in	in													
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																											
7439-92-1	LEAD	mg/kg	14		14		0.00%	23		19		19.05%	78		136		54.21%	14		14		0.00%	377		667		55.56%
7440-38-2	ARSENIC	mg/kg	32		29		9.84%	24		21		13.33%	151		161		6.41%	38		42		10.00%	472		911		63.49%
7440-43-9	CADMIUM	mg/kg	8		21		89.66%	1 U		1 U			2		5		85.71%	5		4		22.22%	6		6		0.00%
7440-50-8	COPPER	mg/kg	25500		12100		71.28%	132		124		6.25%	1290		1650		24.49%	210		334		45.59%	2360		5040		72.43%
7440-66-6	ZINC	mg/kg	2180		2290		4.92%	129		137		6.02%	1040		1940		60.40%	1570		1320		17.30%	1640		1720		4.76%
PH-SATURATED	pH, sat. paste	S.U.	7.2		7.4		2.74%	7.6		7.5		1.32%	7.4		7.4		0.00%	7.2		7.4		2.74%	7.9		8		1.26%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			27734		14454			309		302			2561		3892			1837		1714			4855		8344		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	3-385-1218	3-385-1218D		3-386-1824	3-386-1824D		3-389W-1218	3-389W-1218D		3-398-1824	3-398-1824D												
Location ID	3-385	3-385		3-386	3-386		3-389W	3-389W		3-398	3-398												
Location Name																							
Sample Date	12/15/2014	12/15/2014		12/15/2014	12/15/2014		12/22/2014	12/22/2014		12/11/2014	12/11/2014												
Start Depth	12	12		18	18		12	12		18	18												
End Depth	18	18	RPD	24	24	RPD	18	18	RPD	24	24	RPD											
Depth Unit	in	in		in	in		in	in		in	in												
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q									
(None)																							
7439-92-1	LEAD	mg/kg	1270		1350		6.11%	17		27		45.45%	16		11		37.04%	26		22		16.67%	
7440-38-2	ARSENIC	mg/kg	2260		2610		14.37%	9		22		83.87%	34		28		19.35%	12		5		82.35%	
7440-43-9	CADMIUM	mg/kg	17		21		21.05%	1 U		1 U			1 U		1 U			9		4		76.92%	
7440-50-8	COPPER	mg/kg	20600		20300		1.47%	52		204		118.75%	98		41		82.01%	577		267		73.46%	
7440-66-6	ZINC	mg/kg	4100		4440		7.96%	334		208		46.49%	86		73		16.35%	2930		1780		48.83%	
PH-SATURATED	pH, sat. paste	S.U.	7.3		7.4		1.36%	7.3		7.2		1.38%	7.8		7.7		1.29%	7.4		7.2		2.74%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			28247		28721			413		462			235		154			3554		2078			
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																							
AVD = Duplicate result exceeded absolute difference criteria																							

Sample ID	3-401-1218	3-401-1218D		3-411-0006	3-411-0006D		4-008-0612	4-008-0612D		4-012-1218	4-012-1218D												
Location ID	3-401	3-401		3-411	3-411		4-008	4-008		4-012	4-012												
Location Name																							
Sample Date	12/15/2014	12/15/2014		12/18/2014	12/18/2014		2/10/2015	2/10/2015		12/23/2014	12/23/2014												
Start Depth	12	12		0	0		6	6		12	12												
End Depth	18	18	RPD	6	6	RPD	12	12	RPD	18	18	RPD											
Depth Unit	in	in		in	in		in	in		in	in												
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																							
7439-92-1	LEAD	mg/kg	8		11		31.58%	519		490		5.75%	13		16		20.69%	22		25		12.77%	
7440-38-2	ARSENIC	mg/kg	16	J	20	J	22.22%	674		642		4.86%	19		23		19.05%	18		24		28.57%	
7440-43-9	CADMIUM	mg/kg	1	U	1	U		3		3		0.00%	1	U	1	U		1	U	1	U		
7440-50-8	COPPER	mg/kg	45		63		33.33%	1880		1950		3.66%	61		72		16.54%	79		109		31.91%	
7440-66-6	ZINC	mg/kg	45		94		70.50%	1030		958		7.24%	41		50		19.78%	130		170		26.67%	
PH-SATURATED	pH, sat. paste	S.U.	7.5		7.4		1.34%	7.7		7.4		3.97%	7.5		7.5		0.00%	7.8		7.7		1.29%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			115		189			4106		4043			135		162			250		329			
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																							
AVD = Duplicate result exceeded absolute difference criteria																							

Sample ID		4-014-0612	4-014-0612D		4-017-0612		4-017-0612D		4-024-0612		4-024-0612D		4-038-0612		4-038-0612D							
Location ID		4-014	4-014		4-017		4-017		4-024		4-024		4-038		4-038							
Location Name																						
Sample Date		2/10/2015	2/10/2015		2/10/2015		2/10/2015		12/23/2014		12/23/2014		12/24/2014		12/24/2014							
Start Depth		6	6		6		6		6		6		6		6							
End Depth		12	12		RPD	12	12	12	12	12	12	RPD	12	12	12	RPD						
Depth Unit		in	in		in		in		in		in		in		in							
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q						
(None)																						
7439-92-1	LEAD	mg/kg	26		18		36.36%	14		13		7.41%	92		63		37.42%	393		486		21.16%
7440-38-2	ARSENIC	mg/kg	33		22		40.00%	25		23		8.33%	101		63		46.34%	644		860		28.72%
7440-43-9	CADMIUM	mg/kg	1	U	1	U		1	U	1	U		2		2		0.00%	5		6		18.18%
7440-50-8	COPPER	mg/kg	127		62		68.78%	50		53		5.83%	604		391		42.81%	2270		2240		1.33%
7440-66-6	ZINC	mg/kg	126		56		76.92%	43		45		4.55%	657		482		30.73%	1750		2110		18.65%
PH-SATURATED	pH, sat. paste	S.U.	7.8		7.7		1.29%	7.6		7.5		1.32%	7.6		7.6		0.00%	7.3		7.3		0.00%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			313		159			133		135			1456		1001			5062		5702		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-043-1218	4-043-1218D		4-054-1218	4-054-1218D		4-059-0612	4-059-0612D		4-060E1S-1218	4-060E1S-1218D												
Location ID	4-043	4-043		4-054	4-054		4-059	4-059		4-060E1S	4-060E1S												
Location Name																							
Sample Date	2/9/2015	2/9/2015		2/9/2015	2/9/2015		2/3/2015	2/3/2015		2/9/2015	2/9/2015												
Start Depth	12	12		12	12		6	6		12	12												
End Depth	18	18	RPD	18	18	RPD	12	12	RPD	18	18	RPD											
Depth Unit	in	in		in	in		in	in		in	in												
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q									
(None)																							
7439-92-1	LEAD	mg/kg	20		16		22.22%	13		14		7.41%	194	J	375	J	63.62%	13		13		0.00%	
7440-38-2	ARSENIC	mg/kg	17		11		42.86%	6		6		0.00%	141		330		80.25%	19		21		10.00%	
7440-43-9	CADMIUM	mg/kg	1	UJ	1	UJ		1	UJ	1	UJ		4		8		66.67%	1	U	1	U		
7440-50-8	COPPER	mg/kg	84		44		62.50%	40		45		11.76%	1200		2640		75.00%	33		34		2.99%	
7440-66-6	ZINC	mg/kg	89		76		15.76%	65		75		14.29%	720		2100		97.87%	74		87		16.15%	
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.5		1.32%	7.7		7.7		0.00%	5.2		5.3		1.90%	7.8		7.7		1.29%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			211		148			125		141			2259		5453			140		156			
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																							
AVD = Duplicate result exceeded absolute difference criteria																							

Sample ID	4-067E-1218	4-067E-1218D		4-067W-1218	4-067W-1218D		4-077-1824	4-077-1824D		4-081-1218	4-081-1218D																		
Location ID	4-067E	4-067E		4-067W	4-067W		4-077	4-077		4-081	4-081																		
Location Name																													
Sample Date	2/3/2015	2/3/2015		2/3/2015	2/3/2015		1/7/2015	1/7/2015		2/5/2015	2/5/2015																		
Start Depth	12	12		12	12		18	18		12	12																		
End Depth	18	18	RPD	18	18	RPD	24	24	RPD	18	18	RPD																	
Depth Unit	in	in		in	in		in	in		in	in																		
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q															
(None)																													
7439-92-1	LEAD	mg/kg	11		12		8.70%	15		26	J	53.66%	165		222		29.46%	15		15		0.00%							
7440-38-2	ARSENIC	mg/kg	16		17		6.06%	9		11		20.00%	296		395		28.65%	13		11		16.67%							
7440-43-9	CADMIUM	mg/kg	1	U	1	U		1	U	1	U		4		5		22.22%	1	U	1	U								
7440-50-8	COPPER	mg/kg	50		52		3.92%	36		64		56.00%	1890		2590		31.25%	90		52		53.52%							
7440-66-6	ZINC	mg/kg	61		66		7.87%	76		93		20.12%	1180		1470		21.89%	164		128		24.66%							
PH-SATURATED	pH, sat. paste	S.U.	7.7		7.6		1.31%	7.6		7.6		0.00%	7.8		7.8		0.00%	7.6		7.6		0.00%							
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			139		148					137					195					3535		4682				283		207	
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																													
AVD = Duplicate result exceeded absolute difference criteria																													

Sample ID	4-087-1218	4-087-1218D		4-089-1218	4-089-1218D		4-100-1824	4-100-1824D		4-102W-1218	4-102W-1218D											
Location ID	4-087	4-087		4-089	4-089		4-100	4-100		4-102W	4-102W											
Location Name																						
Sample Date	2/5/2015	2/5/2015		2/5/2015	2/5/2015		2/4/2015	2/4/2015		1/7/2015	1/7/2015											
Start Depth	12	12		12	12		18	18		12	12											
End Depth	18	18	RPD	18	18	RPD	24	24	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q								
(None)																						
7439-92-1	LEAD	mg/kg	989		947		4.34%	58		24		82.93%	625		736		16.31%	579		604		4.23%
7440-38-2	ARSENIC	mg/kg	1550		1490		3.95%	59		21		95.00%	1260		1500		17.39%	541		620		13.61%
7440-43-9	CADMIUM	mg/kg	17		16		6.06%	8		1 U	AVD		8		7		13.33%	8		9		11.76%
7440-50-8	COPPER	mg/kg	13700		12600		8.37%	1140		139		156.53%	2520		2290		9.56%	3960		4050		2.25%
7440-66-6	ZINC	mg/kg	4910		4700		4.37%	2330		353		147.37%	2250		2250		0.00%	1850		2070		11.22%
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.5		1.32%	7.8		7.9		1.27%	6.9		6.9		0.00%	7.6		7.6		0.00%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			21166		19753			3595		538			6663		6783			6938		7353		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-108-1824	4-108-1824D		4-112-1218	4-112-1218D		4-117-1218	4-117-1218D		4-147-1218	4-147-1218D											
Location ID	4-108	4-108		4-112	4-112		4-117	4-117		4-147	4-147											
Location Name																						
Sample Date	2/4/2015	2/4/2015		1/6/2015	1/6/2015		2/3/2015	2/3/2015		1/29/2015	1/29/2015											
Start Depth	18	18		12	12		12	12		12	12											
End Depth	24	24	RPD	18	18	RPD	18	18	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q										
(None)																						
7439-92-1	LEAD	mg/kg	13		13		0.00%	18		33		58.82%	31		14		75.56%	15		15		0.00%
7440-38-2	ARSENIC	mg/kg	5		5		0.00%	25		40		46.15%	23		13		55.56%	17		14		19.35%
7440-43-9	CADMIUM	mg/kg	1 U		1 U			1 U		1			1		1 U			1 UJ		1 UJ		
7440-50-8	COPPER	mg/kg	34		41		18.67%	70		248		111.95%	167		65		87.93%	33		33		0.00%
7440-66-6	ZINC	mg/kg	75		75		0.00%	196		279		34.95%	243		94		88.43%	82		79		3.73%
PH-SATURATED	pH, sat. paste	S.U.	7.7		7.8		1.29%	7.6		7.8		2.60%	7.8		7.7		1.29%	7.7		7.7		0.00%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			128		135			310		601			465		187			148		142		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-166-1824	4-166-1824D		4-194-1218	4-194-1218D		4-201-1218	4-201-1218D		4-205-1218	4-205-1218D											
Location ID	4-166	4-166		4-194	4-194		4-201	4-201		4-205	4-205											
Location Name																						
Sample Date	1/9/2015	1/9/2015		1/27/2015	1/27/2015		1/26/2015	1/26/2015		1/14/2015	1/14/2015											
Start Depth	18	18		12	12		12	12		12	12											
End Depth	24	24	RPD	18	18	RPD	18	18	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q										
(None)																						
7439-92-1	LEAD	mg/kg	20		12		50.00%	25		27		7.69%	13		13		0.00%	1630		1260		25.61%
7440-38-2	ARSENIC	mg/kg	16		14		13.33%	26		26		0.00%	24		17		34.15%	1870		1410		28.05%
7440-43-9	CADMIUM	mg/kg	1		3		100.00%	1 U		1 U			1 U		1 U			4		4		0.00%
7440-50-8	COPPER	mg/kg	129		353		92.95%	105		122		14.98%	39		37		5.26%	6360		4130		42.52%
7440-66-6	ZINC	mg/kg	599		982		48.45%	95		116		19.91%	83		81		2.44%	1580		1670		5.54%
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.9		3.87%	7.5		7.4		1.34%	7.9		7.9		0.00%	7.2		7.2		0.00%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			765		1364			252		292			160		149			11444		8474		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-208E-1218	4-208E-1218D		4-215-1218	4-215-1218D		4-229-1218	4-229-1218D		4-234S-1218	4-234S-1218D											
Location ID	4-208E	4-208E		4-215	4-215		4-229	4-229		3-376SE	3-376SE											
Location Name																						
Sample Date	1/27/2015	1/27/2015		1/15/2015	1/15/2015		1/15/2015	1/15/2015		1/26/2015	1/26/2015											
Start Depth	12	12		12	12		12	12		12	12											
End Depth	18	18	RPD	18	18	RPD	18	18	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q										
(None)																						
7439-92-1	LEAD	mg/kg	184		25		152.15%	155		31		133.33%	310		527		51.85%	12		19		45.16%
7440-38-2	ARSENIC	mg/kg	200		19		165.30%	69	J	28	J	84.54%	184	J	739	J	120.26%	7		11		44.44%
7440-43-9	CADMIUM	mg/kg	4		1	U	AVD	10	J	7	J	35.29%	8		4		66.67%	1	U	1	U	
7440-50-8	COPPER	mg/kg	1330		148		159.95%	12800		4280		99.77%	5120		910		139.64%	37		49		27.91%
7440-66-6	ZINC	mg/kg	1120		148		153.31%	1670	J	1180	J	34.39%	1280		1180		8.13%	71		78		9.40%
PH-SATURATED	pH, sat. paste	S.U.	7.8		7.8		0.00%	6.8		6.9		1.46%	7.1		6.9		2.86%	7.6		7.5		1.32%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			2838		341			14704		5526			6902		3360			128		158		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-242-1824	4-242-1824D		4-262-1824	4-262-1824D		4-264-1218	4-264-1218D		4-268-1824	4-268-1824D																
Location ID	4-242	4-242		4-262	4-262		4-264	4-264		4-268	4-268																
Location Name																											
Sample Date	1/19/2015	1/19/2015		1/19/2015	1/19/2015		1/26/2015	1/26/2015		1/21/2015	1/21/2015																
Start Depth	18	18		18	18		12	12		18	18																
End Depth	24	24	RPD	24	24	RPD	18	18	RPD	24	24	RPD															
Depth Unit	in	in		in	in		in	in		in	in																
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q															
(None)																											
7439-92-1	LEAD	mg/kg	25		18		32.56%	9		12		28.57%	19		15		23.53%	17		17		0.00%					
7440-38-2	ARSENIC	mg/kg	12		7		52.63%	5	J	5		0.00%	18		14		25.00%	10	J	13	J	26.09%					
7440-43-9	CADMIUM	mg/kg	1	U	1	U		1	U	1	U		1	U	1	U			14		19		30.30%				
7440-50-8	COPPER	mg/kg	101		52		64.05%	16		26		47.62%	118		83		34.83%	216		1460		148.45%					
7440-66-6	ZINC	mg/kg	288		302		4.75%	38		49		25.29%	104		101		2.93%	5820		7540		25.75%					
PH-SATURATED	pH, sat. paste	S.U.	7.7		7.7		0.00%	7.3		7.4		1.36%	7.6		7.8		2.60%	7		6.8		2.90%					
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			427		380					69		93								260		214		6077		9049	
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																											
AVD = Duplicate result exceeded absolute difference criteria																											

Sample ID	4-271-1218	4-271-1218D		4-273W-1218	4-273W-1218D		4-274-1218	4-274-1218D		4-277-1824	4-277-1824D												
Location ID	4-271	4-271		4-273W	4-273W		4-274	4-274		4-277	4-277												
Location Name																							
Sample Date	1/19/2015	1/19/2015		1/22/2015	1/22/2015		1/22/2015	1/22/2015		1/27/2015	1/27/2015												
Start Depth	12	12		12	12		12	12		18	18												
End Depth	18	18	RPD	18	18	RPD	18	18	RPD	24	24	RPD											
Depth Unit	in	in		in	in		in	in		in	in												
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q											
(None)																							
7439-92-1	LEAD	mg/kg	26	J	15		53.66%	4		285		194.46%	11		14		24.00%	16		11		37.04%	
7440-38-2	ARSENIC	mg/kg	32	J	12	J	90.91%	4		344		195.40%	23		17		30.00%	8		6		28.57%	
7440-43-9	CADMIUM	mg/kg	1	U	1	U		1	U	4	AVD	1	U	1	U	1	U	1	U	1	U		
7440-50-8	COPPER	mg/kg	167		50		107.83%	22		1520		194.29%	221		47		129.85%	100		63		45.40%	
7440-66-6	ZINC	mg/kg	194		79		84.25%	15		1410		195.79%	137		71		63.46%	522		213		84.08%	
PH-SATURATED	pH, sat. paste	S.U.	7.8		7.8		0.00%	7.7		7.7		0.00%	8		7.9		1.26%	7.1		7		1.42%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			420		157			46		3563			393		150			647		294			
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																							
AVD = Duplicate result exceeded absolute difference criteria																							

Sample ID	4-286-1218	4-286-1218D		4-303-1218	4-303-1218D		4-309-3036	4-309-3036D		4-312-1218	4-312-1218D											
Location ID	4-286	4-286		4-303	4-303		4-309	4-309		4-312	4-312											
Location Name																						
Sample Date	1/20/2015	1/20/2015		1/21/2015	1/21/2015		1/19/2015	1/19/2015		1/22/2015	1/22/2015											
Start Depth	12	12		12	12		30	30		12	12											
End Depth	18	18	RPD	18	18	RPD	36	36	RPD	18	18	RPD										
Depth Unit	in	in		in	in		in	in		in	in											
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q										
(None)																						
7439-92-1	LEAD	mg/kg	24		9		90.91%	600		670		11.02%	242		264		8.70%	92		74		21.69%
7440-38-2	ARSENIC	mg/kg	34	J	25	J	30.51%	930	J	1010	J	8.25%	179	J	308	J	52.98%	23		15		42.11%
7440-43-9	CADMIUM	mg/kg	1	U	1	U		9		10		10.53%	5		6		18.18%	1	U	1	U	
7440-50-8	COPPER	mg/kg	63		29		73.91%	6820		7710		12.25%	1890		2090		10.05%	146		116		22.90%
7440-66-6	ZINC	mg/kg	115		42		92.99%	2900		2820		2.80%	1870		2210		16.67%	189		131		36.25%
PH-SATURATED	pH, sat. paste	S.U.	7.6		7.6		0.00%	7.6		7.6		0.00%	7.2		6.7		7.19%	7.4		7.2		2.74%
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			237		106			11259		12220			4186		4878			451		337		
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																						
AVD = Duplicate result exceeded absolute difference criteria																						

Sample ID	4-316-1218	4-316-1218D		4-503-1824	4-503-1824D		4-503N-1218	4-503N-1218D		4-506W-1218	4-506W-1218D																	
Location ID	4-316	4-316		4-503	4-503		4-503N	4-503N		4-506W	4-506W																	
Location Name																												
Sample Date	1/20/2015	1/20/2015		2/2/2015	2/2/2015		2/2/2015	2/2/2015		2/2/2015	2/2/2015																	
Start Depth	12	12		18	18		12	12		12	12																	
End Depth	18	18	RPD	24	24	RPD	18	18	RPD	18	18	RPD							Totals									
Depth Unit	in	in		in	in		in	in		in	in																	
CAS No.	Chemical	Unit	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q								
(None)																												
7439-92-1	LEAD	mg/kg	298		204		37.45%	859		1060		20.95%	16		20		22.22%	12		11		8.70%			37	98	37.76%	
7440-38-2	ARSENIC	mg/kg	117	J	137	J	15.75%	846		678		22.05%	23		28		19.61%	15		9		50.00%			42	98	42.86%	
7440-43-9	CADMIUM	mg/kg	14		17		19.35%	18		10		57.14%	1	U	1	U		1	U	1	U				19	98	19.39%	
7440-50-8	COPPER	mg/kg	4340		2220		64.63%	10400		8700		17.80%	78		118		40.82%	51		31		48.78%			59	98	60.20%	
7440-66-6	ZINC	mg/kg	3020		3170		4.85%	4340		2340		59.88%	86		107		21.76%	74		66		11.43%			36	98	36.73%	
PH-SATURATED	pH, sat. paste	S.U.	7.3		7.3		0.00%	7.2		7.3		1.38%	7.9		7.8		1.27%	7.8		7.8		0.00%			0	98	0.00%	
Pass-fail evaluation(total analyte concentration >1,400mg/kg)			7789		5748			16463		12788			204		274			153		118					13	98	13.27%	
sample and duplicate yield same pss-fail criteria (0=yes 1=no)																												
AVD = Duplicate result exceeded absolute difference criteria																												

Location			3-001E	3-001E		3-020	3-020		3-027	3-027		3-029	3-029		3-031	3-031	
Sample Name:			3-001E-1218	3-001E-1218D		3-020-4248	3-020-4248D		3-027-3642	3-027-3642D		3-029-1824	3-029-1824D		3-031-5460	3-031-5460D	
Sample Date:			11/25/2014	11/25/2014		11/26/2014	11/26/2014		11/25/2014	11/25/2014		11/25/2014	11/25/2014		11/26/2014	11/26/2014	
Start Depth:			12	12		42	42		36	36		18	18		54	54	
End Depth:			18	18	RPD	48	48	RPD	42	42	RPD	24	24	RPD	60	60	RPD
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	326	368	12.10%	255	301	16.55%	103	90	13.47%	12	26	73.68%	22	10	75.00%
CADMIUM	7440-43-9	mg/kg	14	13	7.41%	9	11	20.00%	5	4	22.22%	2	4	AVD=2	2	1	AVD=1
COPPER	7440-50-8	mg/kg	2220	2460	10.26%	1790	2010	11.58%	1020	828	20.78%	120	218	57.99%	1920	1370	33.43%
LEAD	7439-92-1	mg/kg	322	359	10.87%	374	481	25.03%	92	103	11.28%	11	23	70.59%	26	18	36.36%
ZINC	7440-66-6	mg/kg	1700	1790	5.16%	2380	2780	15.50%	1440	1130	24.12%	240	438	58.41%	275	197	33.05%
pH, sat. paste	PH-SATURATED	S.U.	7.6	7.7	1.31%	7.2	7.1	1.40%	7.2	7.4	2.74%	7.1	7.3	2.78%	7.6	7.6	0.00%

luation(total analyte concentration >1,400mg/kg)	4,582	4,990		4,808	5,583		2,660	2,155		385	709		2,245	1,596			
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	1	1	same	1	1	same	1	1	same	0	0	same	1	1	same		

AVD = Duplicate result exceeded absolute difference criteria

Totals

Out								
out update	of	percent fail		out initial		Combi ned	of	percent fail
8	46	17.39%		37		45	144	31.25%
1	46	2.17%		42		43	144	29.86%
9	46	19.57%		19		28	144	19.44%
6	46	13.04%		59		65	144	45.14%
3	46	6.52%		36		39	144	27.08%
0	46	0.00%		0		0	144	0.00%
0	46	0.00%		13		13	144	9.03%

Location			3-037	3-037		3-045E	3-045E		3-048	3-048		3-054	3-054		3-058S	3-058S	
Sample Name:			3-037-3036	3-037-3036D		3-045E-0612	3-045E-0612D		3-048-1218	3-048-1218D		3-054-4248	3-054-4248D		3-058S-0006	3-058S-0006D	
Sample Date:			11/25/2014	11/25/2014		11/25/2014	11/25/2014		11/26/2014	11/26/2014		11/26/2014	11/26/2014		12/03/2014	12/03/2014	
Start Depth:			30	30		6	6		12	12		42	42		0	0	
End Depth:			36	36	RPD	12	12	RPD	18	18	RPD	48	48	RPD	6	6	RPD
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	3	5	AVD=2	20	28	33.33%	35	23	41.38%	241	339	33.79%	282	285	1.06%
CADMIUM	7440-43-9	mg/kg	3	4	AVD=1	26	29	10.91%	1 U	1 U		6	7	15.38%	3	3	AVD=0
COPPER	7440-50-8	mg/kg	1180	2090	55.66%	11900	10900	8.77%	368	235	44.11%	1630	1900	15.30%	1620	1600	1.24%
LEAD	7439-92-1	mg/kg	6	10	50.00%	37	49	27.91%	26	20	26.09%	175	225	25.00%	190	191	0.52%
ZINC	7440-66-6	mg/kg	437	638	37.40%	3850	3990	3.57%	231	191	18.96%	1280	1760	31.58%	891	877	1.58%
pH, sat. paste	PH-SATURATED	S.U.	6.4	6.5	1.55%	7.3	7.5	2.70%	7.9	8	1.26%	7	7.2	2.82%	8.2	8.2	0.00%

uation(total analyte concentration >1,400mg/kg)	1,629	2,747		15,833	14,996		661	470		3,332	4,231		2,986	2,956	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	1	1	same	1	1	same	0	0	same	1	1	same	1	1	same

AVD = Duplicate result exceeded absolute differen

Location			3-074E	3-074E		3-110	3-110		3-112	3-112		3-124	3-124		3-136S	3-136S	
Sample Name:			3-074E-1824	3-074E-1824D		3-110-1218	3-110-1218D		3-112-3036	3-112-3036D		3-124-1824	3-124-1824D		3-136S-2430	3-136S-2430D	
Sample Date:			12/03/2014	12/03/2014		12/08/2014	12/08/2014		12/03/2014	12/03/2014		11/21/2014	11/21/2014		12/08/2014	12/08/2014	
Start Depth:			18	18		12	12		30	30		18	18		24	24	
End Depth:			24	24	RPD	18	18	RPD	36	36	RPD	24	24	RPD	30	30	RPD
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	11	14	24.00%	671	651	3.03%	8	11	31.58%	401	620	42.90%	3	5	AVD=2
CADMIUM	7440-43-9	mg/kg	1 U	1 U		15	17	12.50%	1 U	1	0.00%	2	2	AVD=0	1 U	1 U	
COPPER	7440-50-8	mg/kg	43	43	0.00%	17000	16800	1.18%	142	146	2.78%	407	694	52.13%	22	36	48.28%
LEAD	7439-92-1	mg/kg	16	20	22.22%	857	861	0.47%	13	15	14.29%	261	343	27.15%	10	12	18.18%
ZINC	7440-66-6	mg/kg	81	86	5.99%	3900	4090	4.76%	406	537	27.78%	625	714	13.29%	47	50	6.19%
pH, sat. paste	PH-SATURATED	S.U.	7.6	7.6	0.00%	7.2	7.3	1.38%	7	7.1	1.42%	7.1	7.1	0.00%	7.8	7.7	1.29%

uation(total analyte concentration >1,400mg/kg)	152	164		22,443	22,419		570	710		1,696	2,373		83	104	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	1	1	same	0	0	same	1	1	same	0	0	same

AVD = Duplicate result exceeded absolute differen

Location			3-137S2	3-137S2		3-165	3-165		3-168	3-168		3-287	3-287		3-303	3-303	
Sample Name:			3-137S2-0612	3-137S2-0612D		3-165-1218	3-165-1218D		3-168-1824	3-168-1824D		3-287-4248	3-287-4248D		3-303-2430	3-303-2430D	
Sample Date:			12/08/2014	12/08/2014		12/08/2014	12/08/2014		12/08/2014	12/08/2014		11/21/2014	11/21/2014		11/20/2014	11/20/2014	
Start Depth:			6	6		12	12		18	18		42	42		24	24	
End Depth:			12	12	RPD	18	18	RPD	24	24	RPD	48	48	RPD	30	30	RPD
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	45	47	4.35%	901	911	1.10%	20	17	16.22%	30	36	18.18%	2200	2520	13.56%
CADMIUM	7440-43-9	mg/kg	1 U	1 U		12	17	34.48%	10	9	10.53%	2	1	AVD=1	22	25	12.77%
COPPER	7440-50-8	mg/kg	75	70	6.90%	6580	9300	34.26%	352	347	1.43%	252	177	34.97%	20500	20700	0.97%
LEAD	7439-92-1	mg/kg	15	15	0.00%	587	587	0.00%	28	26	7.41%	41	28	37.68%	1120	1150	2.64%
ZINC	7440-66-6	mg/kg	83	84	1.20%	3440	4490	26.48%	1920	1730	10.41%	451	332	30.40%	6010	6640	9.96%
pH, sat. paste	PH-SATURATED	S.U.	8.4	8.3	1.20%	7.7	7.6	1.31%	7.3	7.3	0.00%	7.6	7	8.22%	7.3	6.8	7.09%

uation(total analyte concentration >1,400mg/kg)	219	217		11,520	15,305		2,330	2,129		776	574		29,852	31,035	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	1	1	same	1	1	same	0	0	same	1	1	same

AVD = Duplicate result exceeded absolute differen

Location			3-317	3-317		3-329	3-329		3-337	3-337		3-344	3-344		3-346	3-346	
Sample Name:			3-317-1218	3-317-1218D		3-329-5460	3-329-5460D		3-337-4854	3-337-4854D		3-344-1218	3-344-1218D		3-346-2430	3-346-2430D	
Sample Date:			11/20/2014	11/20/2014		11/18/2014	11/18/2014		12/22/2014	12/22/2014		11/18/2014	11/18/2014		11/20/2014	11/20/2014	
Start Depth:			12	12		54	54		48	12		12	12		24	24	
End Depth:			18	18	RPD	60	60	RPD	54	18	RPD	18	18	RPD	30	30	RPD
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	30	36	18.18%	15	14	6.90%	185	160	14.49%	52	37	33.71%	7	8	13.33%
CADMIUM	7440-43-9	mg/kg	1 U	1 U		72	62	14.93%	3	2	AVD=1	3	3	AVD=0	1 U	1 U	
COPPER	7440-50-8	mg/kg	42	56	28.57%	3750	2690	32.92%	1610	1050	42.11%	258	170	41.12%	25	27	7.69%
LEAD	7439-92-1	mg/kg	19	21	10.00%	21	18	15.38%	209	182	13.81%	28	21	28.57%	12	16	28.57%
ZINC	7440-66-6	mg/kg	161	166	3.06%	1020	803	23.81%	1030	696	38.70%	722	654	9.88%	75	87	14.81%
pH, sat. paste	PH-SATURATED	S.U.	7.4	7.4	0.00%	7.2	7.1	1.40%	7.5	7.6	1.32%	7.3	7.4	1.36%	7.8	7.8	0.00%

uation(total analyte concentration >1,400mg/kg)	253	280		4,878	3,587		3,037	2,090		1,063	885		120	139	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	1	1	same	1	1	same	0	0	same	0	0	same

AVD = Duplicate result exceeded absolute differen

Location			3-358N	3-358N		3-362	3-362		3-374	3-374		3-380	3-380		3-389	3-389	
Sample Name:			3-358N-0612	3-358N-0612D		3-362-3642	3-362-3642D		3-374-0612	3-374-0612D		3-380-3036	3-380-3036D		3-389-1824	3-389-1824D	
Sample Date:			11/20/2014	11/20/2014		12/22/2014	12/22/2014		11/20/2014	11/20/2014		12/22/2014	12/22/2014		12/22/2014	12/22/2014	
Start Depth:			6	6	RPD	36	36	RPD	6	6	RPD	30	30	RPD	18	18	RPD
End Depth:			12	12		42	42		12	12		36	36		24	24	
Area:			Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3		Phase 3	Phase 3	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	56	62	10.17%	9	9	0.00%	66	69	4.44%	19	5	116.67%	167	71	80.67%
CADMIUM	7440-43-9	mg/kg	2	2	AVD=0	20	16	22.22%	1 U	1 U		1 U	1 U		5	4	AVD=1
COPPER	7440-50-8	mg/kg	472	459	2.79%	2310	1850	22.12%	47	47	0.00%	95	57	50.00%	1710	782	74.48%
LEAD	7439-92-1	mg/kg	67	91	30.38%	14	13	7.41%	16	19	17.14%	14	9	43.48%	109	61	56.47%
ZINC	7440-66-6	mg/kg	579	609	5.05%	1940	1790	8.04%	78	83	6.21%	78	73	6.62%	1740	1520	13.50%
pH, sat. paste	PH-SATURATED	S.U.	7.4	7.5	1.34%	7.4	7.2	2.74%	8.1	8	1.24%	7.6	7.6	0.00%	7.6	7.6	0.00%

uation(total analyte concentration >1,400mg/kg)	1,176	1,223		4,293	3,678		208	219		207		3,731	2,438		
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	1	1	same	0	0	same	0	0	same	1	1	same

AVD = Duplicate result exceeded absolute differen

Location			3-394	3-394		4-001	4-001		4-017	4-017		4-039	4-039		4-042	4-042	
Sample Name:			3-394-1824	3-394-1824D		4-001-0006	4-001-0006D		4-017-0006	4-017-0006D		4-039-2430	4-039-2430D		4-042-1824	4-042-1824D	
Sample Date:			12/22/2014	12/22/2014		02/10/2015	02/10/2015		02/10/2015	02/10/2015		01/05/2015	01/05/2015		01/05/2015	01/05/2015	
Start Depth:			18	18		0	0		0	0		24	24		18	18	
End Depth:			24	24	RPD	6	6	RPD	6	6	RPD	30	30	RPD	24	24	RPD
Area:			Phase 3	Phase 3		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	7	7	0.00%	21	22	4.65%	23	25	8.33%	270	262	3.01%	32	37	0.144928
CADMIUM	7440-43-9	mg/kg	1 U	1 U		1 U	1 U		1 U	1 U		15	15	0.00%	6	8	28.57%
COPPER	7440-50-8	mg/kg	63	47	29.09%	66	74	11.43%	68	78	13.70%	1510	1550	2.61%	333	337	1.19%
LEAD	7439-92-1	mg/kg	12	15	22.22%	16	18	11.76%	21	23	9.09%	206	158	26.37%	30	30	0.00%
ZINC	7440-66-6	mg/kg	642	726	12.28%	55	66	18.18%	87	101	14.89%	1710	2100	20.47%	1610	2050	24.04%
pH, sat. paste	PH-SATURATED	S.U.	7.6	7.6	0.00%	7.2	7.3	1.38%	7.3	7.6	4.03%	7.1	7.2	1.40%	7.1	7.1	0.00%

uation(total analyte concentration >1,400mg/kg)	725	796		159	181		200	228		3,711	4,085		2,011	2,462	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	0	0	same	0	0	same	1	1	same	1	1	same

AVD = Duplicate result exceeded absolute differen

Location			4-044	4-044		4-051	4-051		4-126	4-126		4-134	4-134		4-146W	4-146W	
Sample Name:			4-044-0612	4-044-0612D		4-051-3642	4-051-3642D		4-126-1824	4-126-1824D		4-134-0612	4-134-0612D		4-146W-0006	4-146W-0006D	
Sample Date:			02/09/2015	02/09/2015		01/05/2015	01/05/2015		01/29/2015	01/29/2015		01/29/2015	01/29/2015		01/09/2015	01/09/2015	
Start Depth:			6	6	RPD	36	36		18	18		6	6		0	0	
End Depth:			12	12		42	42	RPD	24	24	RPD	12	12	RPD	6	6	RPD
Area:			Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q	Q		Q	Q		Q	Q		Q	Q		Q	Q	
ARSENIC	7440-38-2	mg/kg	116 J	139	18.04%	222	278	22.40%	530 J	598	12.06%	758 J	885	15.46%	501	471	6.17%
CADMIUM	7440-43-9	mg/kg	1 J	1	AVD=0	6	8	28.57%	7	9	25.00%	4	5	AVD=1	6	6	0.00%
COPPER	7440-50-8	mg/kg	452	465	2.84%	1740	2200	23.35%	9060	9180	1.32%	5000	5210	4.11%	2290	2190	4.46%
LEAD	7439-92-1	mg/kg	47	57	19.23%	294	362	20.73%	1060 J	1050	0.95%	658 J	693	5.18%	397	378	4.90%
ZINC	7440-66-6	mg/kg	251	293	15.44%	3890	4710	19.07%	3520	3930	11.01%	1830	2030	10.36%	1940	1850	4.75%
pH, sat. paste	PH-SATURATED	S.U.	8.2	7.3	11.61%	6.7	6.7	0.00%	6.9	6.9	0.00%	7.9	7.8	1.27%	7.6	7.6	0.00%

uation(total analyte concentration >1,400mg/kg)	867	955		6,152	7,558		14,177	14,767		8,250	8,823		5,134	4,895			
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	1	1	same	1	1	same	1	1	same	1	1	same	1	same

AVD = Duplicate result exceeded absolute differen

Location			4-159	4-159		4-161E2	4-161E2		4-161E3	4-161E3		4-236	4-236		4-241	4-241	
Sample Name:			4-159-3642	4-159-3642D		4-161E2-2430	4-161E2-2430D		4-161E3-0006	4-161E3-0006D		4-236-1824	4-236-1824D		4-241-3642	4-241-3642D	
Sample Date:			01/09/2015	01/09/2015		01/29/2015	01/29/2015		01/29/2015	01/29/2015		01/16/2015	01/16/2015		01/16/2015	01/16/2015	
Start Depth:			36	36		24	24		0	0		18	18		36	36	
End Depth:			42	42	RPD	30	30	RPD	6	6	RPD	24	24	RPD	42	42	RPD
Area:			Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4		Phase 4	Phase 4	
Matrix:			SO	SO		SO	SO		SO	SO		SO	SO		SO	SO	
Sample Type:			N	FD		N	FD		N	FD		N	FD		N	FD	
Chemical Name:	CAS No.:	Result Unit	Q			Q			Q			Q			Q		
ARSENIC	7440-38-2	mg/kg	11	12	8.70%	21	22	4.65%	76	87	13.50%	441	475	7.42%	20	22	9.52%
CADMIUM	7440-43-9	mg/kg	1	1		1	1		2	3	AVD=1	3	4	AVD=1	2	3	AVD=1
COPPER	7440-50-8	mg/kg	52	60	14.29%	80	85	6.06%	760	788	3.62%	6630	6570	0.91%	1370	1400	2.17%
LEAD	7439-92-1	mg/kg	19	18	5.41%	17	18	5.71%	126	137	8.37%	830	830	0.00%	19	19	0.00%
ZINC	7440-66-6	mg/kg	99	112	12.32%	159	171	7.27%	676	757	11.30%	1150	1250	8.33%	961	1030	6.93%
pH, sat. paste	PH-SATURATED	S.U.	7.5	7.4	1.34%	7.6	7.5	1.32%	7.9	7.9	0.00%	6.6	6.6	0.00%	7.3	7.3	0.00%

uation(total analyte concentration >1,400mg/kg)	182	203		278	297		1,640	1,772		9,054	9,129		2,372	2,474	
Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no) (Both pass or both fail = same)	0	0	same	0	0	same	1	1	same	1	1	same	1	1	same

AVD = Duplicate result exceeded absolute differen

Location		4-249	4-249		
Sample Name:		4-249-3642	4-249-3642D		
Sample Date		01/16/2015	01/16/2015		
Start Depth:		36	36		
End Depth:		42	42	RPD	
Area:		Phase 4	Phase 4		
Matrix:		SO	SO		
Sample Type:		N	FD		
Chemical Name:	CAS No.:	Result Unit	Q	Q	
ARSENIC	7440-38-2	mg/kg	5	5	0.00%
CADMIUM	7440-43-9	mg/kg	4	5	AVD=1
COPPER	7440-50-8	mg/kg	1210	1270	4.84%
LEAD	7439-92-1	mg/kg	13	13	0.00%
ZINC	7440-66-6	mg/kg	697	777	10.85%
pH, sat. paste	PH-SATURATED	S.U.	6.9	6.9	0.00%

luation(total analyte concentration >1,400mg/kg) 1,929 2,070

Do both sample and duplicate yield same pass-fail criteria (0=yes 1=no)
 (Both pass or both fail = same) 1 1 same

AVD = Duplicate result exceeded absolute differen

CHEMICAL_NAME				ARSENIC		ARSENIC		CADMIUM		CADMIUM		COPPER		COPPER		LEAD		LEAD		PH		PH		ZINC		ZINC				
FRACTION				DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	DIS	TOT	
REPORT_RESULT_UNIT				mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	S.U.	S.U.	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
SYS_LOC_CODE	SYS_SAMPLE_CODE	SAMPLE_DATE	SAMPLE_TYPE_CODE	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALU	INTERPRETED_QUALIFIERS	
	FB02-103014	10/30/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB03-103014	10/30/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB04-103014	10/30/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB05-103114	10/31/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.9						0.01	U	
	FB06-103114	10/31/2014	FB			0.001	U			0.001	U			0.004	U			0.001	U			5.5						0.01	U	
	FB07-103114	10/31/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB08-10/31/14	10/31/2014	FB			0.001	U			0.001	U			0.003	U			0.001	U			6						0.01	U	
	FB09-103114	10/31/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB100-010815	1/8/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB101-010915	1/9/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB10-103114	10/31/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.9						0.01	U	
	FB102-011315	1/13/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U	
	FB103-011415	1/14/2015	FB			0.001	U			0.001	U			0.003	J			0.001	U			5.5						0.01	U	
	FB104-011515	1/15/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB105-011615	1/16/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB106-012115	1/21/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB107-012115	1/21/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.3						0.01	U	
	FB108-012115	1/21/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB109-012215	1/22/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB110-012215	1/22/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB1-103014	10/30/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB111-012215	1/22/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB112-012215	1/22/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB113-012615	1/26/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.3						0.01	U	
	FB114-012615	1/26/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB115-012615	1/26/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB116-012615	1/26/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB117-012715	1/27/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB118-012715	1/27/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB119-012715	1/27/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB120-012715	1/27/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB121-012815	1/28/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB12-110414	11/4/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB122-012815	1/28/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB123-012915	1/29/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB124-012915	1/29/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB125-012915	1/29/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB126-020215	2/2/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB127-020215	2/2/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB128-020315	2/3/2015	FB			0.001	U			0.001	U			0.001	J			0.001	U			5.3						0.01	U	
	FB129-020315	2/3/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U	
	FB130-020415	2/4/2015	FB			0.001	U			0.001	U			0.002	J			0.001	U			5.4						0.01	U	
	FB131-020415	2/4/2015	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U	
	FB13-110414	11/4/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.6						0.01	U	
	FB132-020515	2/5/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB133-020515	2/5/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB134-020515	2/5/2015	FB		0.001	U			0.001	U			0.002	J			0.001	U					5.4				0.01	U		
	FB135-020515	2/5/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.3				0.01	U		
	FB136-020915	2/9/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB137-020915	2/9/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB138-020915	2/9/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB139-020915	2/9/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB140-021015	2/10/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.6				0.01	U		
	FB141-021015	2/10/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.3				0.01	U		
	FB14-110414	11/4/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.8						0.01	U	
	FB142-021015	2/10/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB143-021015	2/10/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB144-021115	2/11/2015	FB		0.001	U			0.001	U			0.005	U			0.001	U					5.4				0.01	U		
	FB15-110514	11/5/2014	FB			0.001	U			0.001	U			0.005	U			0.001	U			5.8						0.01	U	
	FB16-110514	11/5/2014	FB			0.001	U																							

CHEMICAL_NAME				ARSENIC		ARSENIC		CADMIUM		CADMIUM		COPPER		COPPER		LEAD		LEAD		PH		PH		ZINC		ZINC	
FRACTION				DIS		TOT		DIS		TOT		DIS		TOT		DIS		TOT		DIS		TOT		DIS		TOT	
REPORT_RESULT_UNIT				mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		S.U.		S.U.		mg/l		mg/l	
SYS_LOC_CODE	SYS_SAMPLE_CODE	SAMPLE_DATE	SAMPLE_TYPE_CODE	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS	REPORT_RESULT_VALUE	INTERPRETED_QUALIFIERS
	FB63-121014	12/10/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB64-121114	12/11/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB65-121114	12/11/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			6.3						0.01	U
	FB66-121114	12/11/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB67-121514	12/15/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB68-121514	12/15/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB69-121514	12/15/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB70-121614	12/16/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB71-121614	12/16/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB72-121614	12/16/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB73-121714	12/17/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB74-121714	12/17/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB75-121714	12/17/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB76-121714	12/17/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB77-121814	12/18/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB78-121814	12/18/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB79-121814	12/18/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB80-122214	12/22/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB81-122214	12/22/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB82-122214	12/22/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB83-122214	12/22/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB84-122314	12/23/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.6						0.01	U
	FB85-122314	12/23/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB86-122314	12/23/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			4.8						0.01	U
	FB87-122314	12/23/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB88-122414	12/24/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB89-122414	12/24/2014	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB90-010515	1/5/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB91-010515	1/5/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB92-010515	1/5/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB93-010615	1/6/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB94-010615	1/6/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			6.2						0.01	U
	FB95-010715	1/7/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB96-010715	1/7/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB97-010715	1/7/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U
	FB98-010815	1/8/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.5						0.01	U
	FB99-010815	1/8/2015	FB	0.001	U			0.001	U			0.005	U			0.001	U			5.4						0.01	U

