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ExxonMobil Pipeline Company

Claims Surface Water Data Report

Silvertip Pipeline Incident Response
Laurel, Montana

August 2014

Table of Contents

1.	**Introduction**	**1**
1.1	Purpose and Objectives	2
1.2	Key Findings	2
1.3	Site Setting and Conditions	3
2.	**Surface Water Sampling Activities**	**5**
2.1	CTEH Surface Water Sampling Activities	5
2.2	ARCADIS Surface Water Sampling Activities	5
3.	**Surface Water Sampling Results**	**7**
3.1	Analytical Reports	7
3.2	CTEH and ARCADIS Surface Water Sampling Results	7
4.	**Recommendations**	**8**
5.	**References**	**9**

Table

1 CTEH and ARCADIS Surface Water Sample Analytical Results

Figures

1 Soil Sample Locations and Results - Division A
2 Soil Sample Locations and Results - Division B
3 Soil Sample Locations and Results - Division C
4 Soil Sample Locations and Results - Division D
5 Soil Sample Locations and Results - Division E

Appendix (Included on Compact Disk)

A Data Verification/Validation Reports

1. Introduction

This Claims Surface Water Data Report has been prepared for ExxonMobil Environmental Services Company (EMES) on behalf of ExxonMobil Pipeline Company (EMPCo) to present the results for surface water sampling activities that were conducted by ExxonMobil for private landowner claims associated with the Silvertip Pipeline Incident (SPI) near Laurel, Montana. This report has been prepared pursuant to a request from the Montana Department of Environmental Quality (MDEQ) in accordance with the requirements of the Administrative Order on Consent (AOC, Docket No. WQA-12-08) between the State of Montana and EMPCo. Specifically, the MDEQ submitted an August 6, 2014 electronic mail to EMES which requested that EMES prepare a report to present data for surface water samples collected by EMPCo for the SPI that have not been included in previous reports submitted to the MDEQ/United States Environmental Protection Agency (USEPA).

Pursuant to the AOC, all of EMPCo's sample data for the SPI has been uploaded to the USEPA's SCRIBE Database, of which the MDEQ, the USEPA, and EMPCo are subscribers. This report includes results for surface water samples queried from the SCRIBE Database that have not been previously provided to the MDEQ/USEPA in any of the following documents:

- Downstream Areas Surface Water Data Summary Report (ARCADIS 2011)
- October 2011 Downstream Sediment Sampling Data Summary Report (ARCADIS 2012a)
- Final Assessment Report for Reported Fish Kill, Huntley, MT (ExxonMobil 2012)
- Public Surface Water Supply 2011 Data Summary Report (ARCADIS 2012b)
- Public Surface Water Supply 2012 Data Summary Report (ARCADIS 2012c).

ARCADIS has determined that results for all surface water samples collected in connection with the SPI have been provided in previous reports that were submitted to the MDEQ, with the exception of 71 samples that were collected by either the Center for Toxicology and Environmental Heath (CTEH) or ARCADIS US, Inc. (ARCADIS) on behalf of EMPCo.

1.1 Purpose and Objectives

This report describes surface water sampling field activities completed by CTEH and ARCADIS on behalf of EMPCo from July 6, 2011 through October 15, 2013.

The objectives of this report are to:

- Present a brief summary of the field sampling activities conducted by CTEH and ARCADIS on behalf of EMPCo.
- Present a brief overview of the results as shown on summary tables and figures.
- Screen the sampling results against appropriate regulatory criteria and guidance values in accordance with the AOC.

1.2 Key Findings

The following provides a summary of the key findings associated with the surface water sampling activities:

- A total of 71 surface water samples that have not been previously reported to MDEQ/USEPA were collected by CTEH and ARCADIS on behalf of EMPCo between July 6, 2011 and October 15, 2013. These samples were collected at the request of individual landowners of agricultural and residential properties that were inundated due to high water conditions at the time of the SPI.
- Analytical results for the 71 surface water samples were screened against Circular DEQ-7 Montana Numeric Water Quality Standards (MDEQ 2012) with Tier 1 Risk Based Screening Levels (RBSLs) (MDEQ 2009) used for extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH). The surface water results indicate that there were no exceedances for organic constituents relative to the criteria. Mercury was detected at 2 locations and arsenic was detected at 1 location at concentrations above surface water screening criteria. Although surface water samples were collected and analyzed for metals, it was determined that concentrations of metals in surface water are not related to crude oil impacts. On September 7, 2011, the MDEQ and USEPA granted approval for EMPCo to discontinue further analysis of metals as potential constituents of concern related to the SPI.

A more detailed discussion of the surface water data is provided in Section 3.

1.3 Site Setting and Conditions

On July 1, 2011, there was a release of crude oil from the Silvertip Pipeline located near Laurel, Montana. EMPCo activated its Emergency Response Plan to provide a rapid and comprehensive response to the incident. An Incident Action Plan was developed, and an Incident Command System (ICS) organization and Unified Command (UC) were established to manage the release response activities in a coordinated manner with the multiple stakeholders involved, including the MDEQ and USEPA.

The SPI site (site) is located near Laurel, Montana and downstream along the Yellowstone River, which originates in northwest Wyoming and flows northeast through Montana to its confluence with the Missouri River near Buford, North Dakota.

The sample locations for the surface water sampling activities described in this report have been divided into eight divisions and one downstream location (Figure 1), as follows:

- Division A: The Silvertip Pipeline crossing to the intersection of Rudio Road and Duck Creek Road (Figure 2).
- Division B: Intersection of Rudio Road and Duck Creek Road to Alkali Creek (Figure 2).
- Division C: Alkali Creek to Yellowstone County – Treasure County border (Figure 3).
- Division D: Yellowstone County – Treasure County border to Treasure County – Rosebud County border (Figure 4).
- Division E: Treasure County – Rosebud County border to Rosebud County – Custer County border (Figure 4).
- Division F: Rosebud County – Custer County border to Custer County – Prairie County border (Figure 5).
- Division G: Custer County – Prairie County border to Prairie County – Dawson County border (Figure 5).
- Division H: Prairie County – Dawson County border to Dawson County – Richland County border (Figure 5).

- Downstream: One surface water sampling location near Sidney, Montana which is approximately 260 miles downstream from the SPI site (Figure 5).

2. Surface Water Sampling Activities

A summary of surface water sampling activities conducted by CTEH and ARCADIS on behalf of EMPCo is presented below.

2.1 CTEH Surface Water Sampling Activities

CTEH collected 67 surface water samples on behalf of EMPCo from July 6, 2011 through September 2, 2011. The surface water samples were collected at the request of individual landowners from properties that were inundated by high water conditions at the time of the SPI. Surface water sample locations are shown on Figures 2 through 5. The CTEH samples were submitted to Pace Laboratories in Billings, Montana for analysis of:

- VOCs by USEPA Method 8260B
- SVOCs by USEPA Method 8270C
- Polycyclic aromatic hydrocarbons (PAHs) by 8270 SIM
- VPH by VPH Massachusetts Method (MT Modified) – includes analysis of the following individual compounds: benzene, ethylbenzene, toluene, m&p-xylenes, o-xylene, naphthalene, and methyl tertiary-butyl ether
- EPH Screen by EPH Massachusetts Method (MT Modified)

2.2 ARCADIS Surface Water Sampling Activities

ARCADIS collected four surface water samples on behalf of EMPCo from September 1, 2011 through October 15, 2013. ARCADIS collected three surface water samples during September 2011 and one surface water sample during October 2013. The surface water samples were collected at the request of individual landowners of an agricultural property (2011 samples) and residential property (2013 sample) that were inundated by high water conditions at the time of the SPI. Sample locations are shown on Figures 2 through 5. The samples collected by ARCADIS during 2011 were submitted to Pace Laboratories and the sample collected during 2013 was submitted to Lancaster Laboratories for analysis of the following:

- VOCs by USEAP Method 8260B
- SVOCs by USEPA Method 8270C

- PAHs by 8270 SIM
- VPH by VPH Massachusetts Method (MT Modified) – includes analysis of the following individual compounds: benzene, ethylbenzene, toluene, m&p-xylenes, o-xylene, naphthalene, and methyl tertiary-butyl ether
- EPH Screen by EPH Massachusetts Method (MT Modified)
- 8 RCRA metals by USEPA Methods 6020 and 7470A (mercury) (only submitted and analyzed 2011 surface water samples)

Although surface water samples were collected and analyzed for metals in September 2011, it was determined that concentrations of metals in surface water are not related to crude oil impacts. On September 7, 2011, the MDEQ and USEPA granted approval for EMPCo to discontinue further analysis of metals as potential constituents of concern related to the SPI.

3. Surface Water Sampling Results

The following sections summarize the laboratory results for the surface water samples collected by EMPCo (i.e., CTEH and ARCADIS). This section also compares the laboratory results to applicable surface water screening criteria in accordance with the AOC.

3.1 Analytical Reports

Analytical results for surface water samples collected by CTEH were reported by Pace Laboratories and validated by a third party (Gradient) in accordance with the Quality Assurance Project Plan (QAPP) (CTEH 2011). Data Verification/Validation Reports that were prepared based on the review of the analytical results are presented in Appendix A.

Analytical results for surface water samples collected by ARCADIS during September 2011 were reported by Pace Laboratories and validated by Gradient in accordance with the QAPP (CTEH 2011). Analytical results for the surface water sample collected by ARCADIS during October 2013 were reported by Lancaster Laboratories and validated by ARCADIS in accordance with an updated project-specific QAPP (ARCADIS 2012d). Data Verification/Validation Reports that were prepared based on the review of the analytical results for the surface water samples collected by ARCADIS during 2011 and 2013 have been provide to MDEQ in previous submittals.

3.2 CTEH and ARCADIS Surface Water Sampling Results

Analytical results for the surface water samples collected by EMPCo (i.e., CTEH and ARCADIS) are provided in Table 1. Analytical results for the CTEH and ARCADIS surface water samples were compared to surface water screening criteria (Circular DEQ-7 Montana Numeric Water Quality Standards [MDEQ 2012] with Tier 1 RBSLs used for EPH and VPH [MDEQ 2009]) in accordance with the AOC. Analytical results for metals that were analyzed for the ARCADIS 2011 surface water samples are also tabulated in Table 1 for completeness; however, since it was determined that metals are not associated with the released crude oil, the metals concentrations in Table 1 are not evaluated or discussed further in the context of the SPI.

No organic constituents were detected in the surface water samples collected by CTEH or ARCADIS at concentrations exceeding the surface water screening criteria (Circular DEQ-7 Montana Numeric Water Quality Standards [MDEQ 2012] with Tier 1 RBSLs used for EPH and VPH [MDEQ 2009]).

4. Recommendations

EMES, on behalf of EMPCo, respectfully requests a No Further Action decision from the MDEQ for surface water as a media listed in the AOC. EMES believes that this decision is supported by the findings of this report and others that were previously submitted to and approved by the MDEQ.

5. References

ARCADIS, 2011. Downstream Areas Surface Water Data Summary Report. October 2011.

ARCADIS, 2012a. October 2011 Downstream Sediment Sampling Data Summary Report. March 2012.

ARCADIS, 2012b. Public Surface Water Supply 2011 Data Summary Report. May 2012.

ARCADIS.,2012c. Public Surface Water Supply 2012 Data Summary Report. December 2012.

ARCADIS, 2012d. Quality Assurance Project Plan. March 2012 (Revised August 2012).

CTEH, 2011. Quality Assurance Project Plan. August 2011 (Revised September 2011).

ExxonMobil, 2012. Final Assessment Report for Reported Fish Kill, Huntley, Montana (ExxonMobil letter to MDEQ dated June 20, 2012).

MDEQ, 2009. Montana Tier 1 Risk-Based Corrective Action Guidance for Petroleum Releases. September 2009.

MDEQ, 2012. Circular DEQ-7 Montana Numeric Water Quality Standards. October 2012.

Tables

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	ATR1037-SW	BIMT_296_SW201	BIMT_369_SW304	BIMT_391_SW302	BIMT_394_SW101	BIMT_400_SW201	BIMT_490_SW201
						Sample ID	ATR1037-SW(101513)-1A	BIMT0710SW201	BIMT0714SW304	BIMT0720SW302	BIMT0721SW101	BIMT0727SW201	BIMT0803SW201
						Date	10/15/2013	7/10/2011	7/14/2011	7/20/2011	7/21/2011	7/27/2011	8/3/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 1.0 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 0.5 U	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 5.0 U	< 20 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	< 1 U	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 5.0 U	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	5.0 J	NA	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
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						Location ID	ATR1037-SW	BIMT_296_SW201	BIMT_369_SW304	BIMT_391_SW302	BIMT_394_SW101	BIMT_400_SW201	BIMT_490_SW201
						Sample ID	ATR1037-SW(101513)-1A	BIMT0710SW201	BIMT0714SW304	BIMT0720SW302	BIMT0721SW101	BIMT0727SW201	BIMT0803SW201
						Date	10/15/2013	7/10/2011	7/14/2011	7/20/2011	7/21/2011	7/27/2011	8/3/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 0.5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	NA	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 0.5 U	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 5.0 U	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 0.5 U	< 1 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	< 50 U	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	< 50 U	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA

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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	ATR1037-SW	BIMT_296_SW201	BIMT_369_SW304	BIMT_391_SW302	BIMT_394_SW101	BIMT_400_SW201	BIMT_490_SW201
						Sample ID	ATR1037-SW(101513)-1A	BIMT0710SW201	BIMT0714SW304	BIMT0720SW302	BIMT0721SW101	BIMT0727SW201	BIMT0803SW201
						Date	10/15/2013	7/10/2011	7/14/2011	7/20/2011	7/21/2011	7/27/2011	8/3/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	< 50 U	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	< 50 U	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	< 10 U	NA	NA	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 0.047 U	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 0.047 U	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 0.047 U	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 0.047 U	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U

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						Sample ID	ATR1037-SW(101513)-1A	BIMT0710SW201	BIMT0714SW304	BIMT0720SW302	BIMT0721SW101	BIMT0727SW201	BIMT0803SW201
						Date	10/15/2013	7/10/2011	7/14/2011	7/20/2011	7/21/2011	7/27/2011	8/3/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 0.047 U	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.047 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.042 U	< 0.042 U	< 0.041 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	NA	< 218 U	< 221 U	< 205 U	< 211 U	< 214 U	< 213 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	< 500 U	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	< 100 U	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	NA	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	< 10	NA	NA	NA	NA	NA
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	NA	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	5169	NA	2476	NA	313.3	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	80.4	NA	21.5	NA	65.2	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	NA	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	7.95	NA	7.09	NA	7.69	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	22	NA	23.1	NA

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						Location ID	BIMT_543_SW104	BIMT_549_SW102	BIMT0901SW101	BIMT0901SW102	COMT_538_SW201	COMT_538_SW201	FOMT_469_SW203	FOMT_544_SW201
						Sample ID	BIMT0812SW104	BIMT0819SW102	BIMT0901SW101	BIMT0901SW102	COMT0812SW201	COMT0812SW202	FOMT0801SW203	FOMT0817SW201
						Date	8/12/2011	8/19/2011	9/1/2011	9/1/2011	8/12/2011	8/12/2011	8/1/2011	8/17/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
EPA 2540														
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	74.9	19.7	NA	NA	NA	NA
EPA 6020														
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	15.2	9.2	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	52.1	30.9	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	< 0.080 U	< 0.080 U	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	0.53	0.59	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	< 0.22	< 0.18	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	4.3	2.4	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	0.44 J	0.98	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	< 0.50 U	< 0.50 U	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	1.8	1.4	NA	NA	NA	NA
EPA 7470A														
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	0.076 J	0.098 J	NA	NA	NA	NA
EPA 8260B														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 UJ-	< 25.0 U	< 25.0 U	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U

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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	BIMT_543_SW104	BIMT_549_SW102	BIMT0901SW101	BIMT0901SW102	COMT_538_SW201	COMT_538_SW201	FOMT_469_SW203	FOMT_544_SW201
						Sample ID	BIMT0812SW104	BIMT0819SW102	BIMT0901SW101	BIMT0901SW102	COMT0812SW201	COMT0812SW202	FOMT0801SW203	FOMT0817SW201
						Date	8/12/2011	8/19/2011	9/1/2011	9/1/2011	8/12/2011	8/12/2011	8/1/2011	8/17/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2.0 U	< 2.0 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10.0 U	< 10.0 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4.0 U	< 4.0 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.40 U	< 0.40 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3.0 U	< 3.0 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270														
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	< 20.8 U	< 20.4 U	< 22.7 U	< 21.6 U	< 21.3 U	< 21.5 U	NA	< 21.5 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	< 20.8 U	< 20.4 U	R	R	< 21.3 U	< 21.5 U	NA	< 21.5 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U

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						Location ID	BIMT_543_SW104	BIMT_549_SW102	BIMT0901SW101	BIMT0901SW102	COMT_538_SW201	COMT_538_SW201	FOMT_469_SW203	FOMT_544_SW201
						Sample ID	BIMT0812SW104	BIMT0819SW102	BIMT0901SW101	BIMT0901SW102	COMT0812SW201	COMT0812SW202	FOMT0801SW203	FOMT0817SW201
						Date	8/12/2011	8/19/2011	9/1/2011	9/1/2011	8/12/2011	8/12/2011	8/1/2011	8/17/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	< 52.1 U	< 51 U	< 56.8 U	< 54.1 U	< 53.2 U	< 53.8 U	NA	< 53.8 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 20.8 U	< 20.4 U	< 22.7 U	< 21.6 U	< 21.3 U	< 21.5 U	NA	< 21.5 U
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Isophorone	78-59-1	350	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	< 24 U	< 23.5 U	< 26.1 U	< 24.9 U	< 24.5 U	< 24.7 U	NA	< 24.7 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 10.4 U	< 10.2 U	< 11.4 U	< 10.8 U	< 10.6 U	< 10.8 U	NA	< 10.8 U
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8270 by SIM														
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U

Table 1
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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	BIMT_543_SW104	BIMT_549_SW102	BIMT0901SW101	BIMT0901SW102	COMT_538_SW201	COMT_538_SW201	FOMT_469_SW203	FOMT_544_SW201
						Sample ID	BIMT0812SW104	BIMT0819SW102	BIMT0901SW101	BIMT0901SW102	COMT0812SW201	COMT0812SW202	FOMT0801SW203	FOMT0817SW201
						Date	8/12/2011	8/19/2011	9/1/2011	9/1/2011	8/12/2011	8/12/2011	8/1/2011	8/17/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	0.3	0.18	< 0.041 U	< 0.041 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.041 U	< 0.041 U	NA	NA	< 0.043 U	< 0.043 U	< 0.041 U	< 0.041 U
MADEP EPH														
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 209 U	< 208 U	< 234 U	< 218 U	< 216 U	< 220 U	< 206 U	< 210 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
MADEP VPH														
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20.0 U	< 20.0 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20.0 U	< 20.0 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20.0 U	< 20.0 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20.0 U	< 20.0 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.50 U	< 0.50 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20.0 J	< 20.0 J	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.50 U	0.14 J	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.50 U	< 0.50 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.50 U	< 0.50 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.50 U	< 0.50 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20.0 U	< 20.0 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17														
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	< 20.8	< 20.4	< 22.7	< 21.6	< 21.3	< 21.5	NA	< 21.5
FIELD														
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	NA	NA	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	NA	NA	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
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						Location ID	GLMT_484_SW206	GLMT_515_DW203	Goat Farm Pond 1	Goat Farm Pond 2	HYMT_548_SW202	LAMT_0811SWBKG_101	LAMT_0813SWBKG_203
						Sample ID	GLMT0810SW206	GLMT0810SW203	07082011-GF-1	07082011-GF-2	HYMT0819SW202	LAMT0811SWBKG101	LAMT0813SWBKG203
						Date	8/10/2011	8/10/2011	7/8/2011	7/8/2011	8/19/2011	8/11/2011	8/13/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	NA	NA	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U

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						Location ID	GLMT_484_SW206	GLMT_515_DW203	Goat Farm Pond 1	Goat Farm Pond 2	HYMT_548_SW202	LAMT_0811SWBKG_101	LAMT_0813SWBKG_203
						Sample ID	GLMT0810SW206	GLMT0810SW203	07082011-GF-1	07082011-GF-2	HYMT0819SW202	LAMT0811SWBKG101	LAMT0813SWBKG203
						Date	8/10/2011	8/10/2011	7/8/2011	7/8/2011	8/19/2011	8/11/2011	8/13/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	NA	NA	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	NA	NA	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	NA	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	NA	NA	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	NA	NA	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	< 21.1 U	< 21.7 U	NA	NA	< 20.3 U	< 21.7 U	< 20.6 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	< 21.1 U	< 21.7 U	NA	NA	< 20.3 U	< 21.7 U	< 20.6 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	GLMT_484_SW206	GLMT_515_DW203	Goat Farm Pond 1	Goat Farm Pond 2	HYMT_548_SW202	LAMT_0811SWBKG_101	LAMT_0813SWBKG_203
						Sample ID	GLMT0810SW206	GLMT0810SW203	07082011-GF-1	07082011-GF-2	HYMT0819SW202	LAMT0811SWBKG101	LAMT0813SWBKG203
						Date	8/10/2011	8/10/2011	7/8/2011	7/8/2011	8/19/2011	8/11/2011	8/13/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	< 52.6 U	< 54.3 U	NA	NA	< 50.8 U	< 54.3 U	< 51.5 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 21.1 U	< 21.7 U	NA	NA	< 20.3 U	< 21.7 U	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	< 24.2 U	< 25 U	NA	NA	< 23.4 U	< 25 U	< 23.7 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	< 10.3 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 10.5 U	< 10.9 U	NA	NA	< 10.2 U	< 10.9 U	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	GLMT_484_SW206	GLMT_515_DW203	Goat Farm Pond 1	Goat Farm Pond 2	HYMT_548_SW202	LAMT_0811SWBKG_101	LAMT_0813SWBKG_203
						Sample ID	GLMT0810SW206	GLMT0810SW203	07082011-GF-1	07082011-GF-2	HYMT0819SW202	LAMT0811SWBKG101	LAMT0813SWBKG203
						Date	8/10/2011	8/10/2011	7/8/2011	7/8/2011	8/19/2011	8/11/2011	8/13/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.041 U	< 0.044 U	NA	NA	< 0.044 U	< 0.041 U	< 0.042 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 210 U	< 218 U	906	< 406 U	< 203 U	< 209 U	< 218 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	NA	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	NA	NA	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	NA	NA	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	NA	NA	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	< 21.1	< 21.7	NA	NA	< 20.3	< 21.7	NA
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA

Table 1
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						Location ID	LAMT_0815SWBKG_105	LAMT_0816SWBKG_214	LAMT_0829SWBKG_201	LAMT_294_SW304	LAMT_362_SW302	LAMT_390_SW302	LAMT_491_SW301
						Sample ID	LAMT0815SWBKG105	LAMT0816SWBKG214	LAMT0829SWBKG201	LAMT0709SW304	LAMT0713SW302	LAMT0721SW302	LAMT0804SW301
						Date	8/15/2011	8/16/2011	8/29/2011	7/9/2011	7/13/2011	7/21/2011	8/4/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 20 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	< 1 U	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	< 25 U	NA	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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						Location ID	LAMT_0815SWBKG_105	LAMT_0816SWBKG_214	LAMT_0829SWBKG_201	LAMT_294_SW304	LAMT_362_SW302	LAMT_390_SW302	LAMT_491_SW301
						Sample ID	LAMT0815SWBKG105	LAMT0816SWBKG214	LAMT0829SWBKG201	LAMT0709SW304	LAMT0713SW302	LAMT0721SW302	LAMT0804SW301
						Date	8/15/2011	8/16/2011	8/29/2011	7/9/2011	7/13/2011	7/21/2011	8/4/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 TJ	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	0.41 J	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3 U	< 1 U	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	NA	NA	NA	< 10.3 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	< 10 U	NA	NA	< 51.5 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	< 50 U	NA	NA	< 51.5 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	NA	NA	NA	< 51.5 U
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	< 21.1 U	< 20.6 U	< 21.4 U	< 10 U	NA	NA	< 20.6 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	< 21.1 U	< 20.6 U	< 21.4 U	< 10 U	NA	NA	< 20.6 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	NA	NA	NA	< 51.5 U
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	< 50 U	NA	NA	< 51.5 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	NA	NA	NA	< 51.5 U

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						Sample ID	LAMT0815SWBKG105	LAMT0816SWBKG214	LAMT0829SWBKG201	LAMT0709SW304	LAMT0713SW302	LAMT0721SW302	LAMT0804SW301
						Date	8/15/2011	8/16/2011	8/29/2011	7/9/2011	7/13/2011	7/21/2011	8/4/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	< 10 U	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	NA	NA	NA	< 51.5 U
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	< 52.6 U	< 51.5 U	< 53.5 U	< 50 U	NA	NA	< 51.5 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	< 10 U	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	< 10 U	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	NA	NA	NA	< 10.3 U
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 21.1 U	< 20.6 U	< 21.4 U	< 10 U	NA	NA	< 20.6 U
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	NA	NA	NA	< 10.3 U
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	< 10 U	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Isophorone	78-59-1	350	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	< 24.2 U	< 23.7 U	< 24.6 U	< 50 U	NA	NA	< 23.7 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 10.5 U	< 10.3 U	< 10.7 U	< 10 U	NA	NA	< 10.3 U
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	< 10 U	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U

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CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_0815SWBKG_105	LAMT_0816SWBKG_214	LAMT_0829SWBKG_201	LAMT_294_SW304	LAMT_362_SW302	LAMT_390_SW302	LAMT_491_SW301
						Sample ID	LAMT0815SWBKG105	LAMT0816SWBKG214	LAMT0829SWBKG201	LAMT0709SW304	LAMT0713SW302	LAMT0721SW302	LAMT0804SW301
						Date	8/15/2011	8/16/2011	8/29/2011	7/9/2011	7/13/2011	7/21/2011	8/4/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.042 U	< 0.041 U	< 0.041 U	< 0.11 U	< 0.044 U	< 0.042 U	< 0.043 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 207 U	< 205 U	< 214 U	< 222 U	< 224 U	< 218 U	< 227 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	0.61	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	< 21.1	< 20.6	< 21.4	< 10	NA	NA	< 20.6
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	3.95	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	81.7	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	6.97	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	22.5	NA	NA

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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_491_SW301	LAMT_516_SW101	LAMT_516_SW102	LAMT_589_SW208	LAMT_BKG_001	LAMT_BKG_002	LAMT_BKG_003
						Sample ID	LAMT0804SW302	LAMT0809SW101	LAMT0809SW102	LAMT0902SW208	LAMT0706SWBKG001	LAMT0706SWBKG002	LAMT0706SWBKG003
						Date	8/4/2011	8/9/2011	8/9/2011	9/2/2011	7/6/2011	7/6/2011	7/6/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	NA	NA	NA
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 20 U	< 20 U	< 20 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	< 1 U	< 1 U	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	NA	NA	NA
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	< 25 U	< 25 U	NA	NA	NA
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	NA	NA	NA
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Silvertip Pipeline Incident Response

						Location ID	LAMT_491_SW301	LAMT_516_SW101	LAMT_516_SW102	LAMT_589_SW208	LAMT_BKG_001	LAMT_BKG_002	LAMT_BKG_003
						Sample ID	LAMT0804SW302	LAMT0809SW101	LAMT0809SW102	LAMT0902SW208	LAMT0706SWBKG001	LAMT0706SWBKG002	LAMT0706SWBKG003
						Date	8/4/2011	8/9/2011	8/9/2011	9/2/2011	7/6/2011	7/6/2011	7/6/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	NA	NA	NA
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	NA	NA	NA
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U	< 1 U	< 1 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3 U	< 3 U	< 1 U	< 1 U	< 1 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	< 10 U	< 10 U	< 10 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	< 50 U	< 50 U	< 50 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	< 20.4 U	< 20.6 U	< 21.1 U	< 21.7 U	< 10 U	< 10 U	< 10 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	< 20.4 U	< 20.6 U	< 21.1 U	< 21.7 U	< 10 U	< 10 U	< 10 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	< 50 U	< 50 U	< 50 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	NA	NA	NA

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						Location ID	LAMT_491_SW301	LAMT_516_SW101	LAMT_516_SW102	LAMT_589_SW208	LAMT_BKG_001	LAMT_BKG_002	LAMT_BKG_003
						Sample ID	LAMT0804SW302	LAMT0809SW101	LAMT0809SW102	LAMT0902SW208	LAMT0706SWBKG001	LAMT0706SWBKG002	LAMT0706SWBKG003
						Date	8/4/2011	8/9/2011	8/9/2011	9/2/2011	7/6/2011	7/6/2011	7/6/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	NA	NA	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	< 51 U	< 51.5 U	< 52.6 U	< 54.3 U	< 50 U	< 50 U	< 50 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	NA	NA	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 20.4 U	< 20.6 U	< 21.1 U	< 21.7 U	< 10 U	< 10 U	< 10 U
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	NA	NA	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Isophorone	78-59-1	350	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	< 23.5 U	< 23.7 U	< 24.2 U	< 25 U	< 50 U	< 50 U	< 50 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 10.2 U	< 10.3 U	< 10.5 U	< 10.9 U	< 10 U	< 10 U	< 10 U
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	< 10 U	< 10 U	< 10 U
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U

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Silvertip Pipeline Incident Response

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						Sample ID	LAMT0804SW302	LAMT0809SW101	LAMT0809SW102	LAMT0902SW208	LAMT0706SWBKG001	LAMT0706SWBKG002	LAMT0706SWBKG003
						Date	8/4/2011	8/9/2011	8/9/2011	9/2/2011	7/6/2011	7/6/2011	7/6/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.043 U	< 0.042 U	< 0.043 U	< 0.043 U	< 0.1 U	< 0.1 U	< 0.1 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 210 U	< 210 U	< 210 U	< 215 U	NA	NA	NA
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	NA	NA
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	NA	NA	NA
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	NA	NA
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	NA	NA	NA
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	< 20.4	< 20.6	< 21.1	< 21.7	< 10	< 10	< 10
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA

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Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_101	LAMT_BKG_101	LAMT_BKG_102	LAMT_BKG_103	LAMT_BKG_201	LAMT_BKG_201
						Sample ID	LAMT0712SWBKG101	LAMT0712SWBKG101 DUP	LAMT0710SWBKG102	LAMT0714SWBKG101	LAMT0709BKGSW201	LAMT0724SWBKG201
						Date	7/12/2011	7/12/2011	7/10/2011	7/14/2011	7/9/2011	7/24/2011
						Sample Type	Normal	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units						
EPA 2540												
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA
EPA 6020												
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
EPA 7470A												
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA
EPA 8260B												
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	NA	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 20 U	< 4 U	< 20 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	NA	< 1 U	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	NA	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	NA	< 25 U	NA	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	NA	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_101	LAMT_BKG_101	LAMT_BKG_102	LAMT_BKG_103	LAMT_BKG_201	LAMT_BKG_201
						Sample ID	LAMT0712SWBKG101	LAMT0712SWBKG101 DUP	LAMT0710SWBKG102	LAMT0714SWBKG101	LAMT0709BKGSW201	LAMT0724SWBKG201
						Date	7/12/2011	7/12/2011	7/10/2011	7/14/2011	7/9/2011	7/24/2011
						Sample Type	Normal	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units						
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	NA	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	NA	< 5 U	NA	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	NA	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	NA	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 1 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 1 U	< 0.4 U	< 1 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 1 U	< 3 U	< 1 U	< 3 U
EPA 8270												
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	NA	< 50 U	NA	< 50 U	NA
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	NA	< 50 U	NA	< 50 U	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA

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						Sample ID	LAMT0712SWBKG101	LAMT0712SWBKG101 DUP	LAMT0710SWBKG102	LAMT0714SWBKG101	LAMT0709BKGSW201	LAMT0724SWBKG201
						Date	7/12/2011	7/12/2011	7/10/2011	7/14/2011	7/9/2011	7/24/2011
						Sample Type	Normal	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units						
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	NA	< 50 U	NA	< 50 U	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	NA	< 50 U	NA	< 50 U	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	< 10 U	NA
EPA 8270 by SIM												
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_101	LAMT_BKG_101	LAMT_BKG_102	LAMT_BKG_103	LAMT_BKG_201	LAMT_BKG_201
						Sample ID	LAMT0712SWBKG101	LAMT0712SWBKG101 DUP	LAMT0710SWBKG102	LAMT0714SWBKG101	LAMT0709BKGSW201	LAMT0724SWBKG201
						Date	7/12/2011	7/12/2011	7/10/2011	7/14/2011	7/9/2011	7/24/2011
						Sample Type	Normal	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units						
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.041 U	< 0.042 U	< 0.1 U	< 0.043 U	< 0.1 U	< 0.041 U
MADEP EPH												
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 211 U	< 209 U	< 217 U	< 214 U	NA	< 209 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
MADEP VPH												
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	NA	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 1 U	< 1 U	NA	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	NA	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	NA	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	NA	< 1.5 U
TPAH-17												
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	NA	< 10	NA	< 10	NA
FIELD												
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA

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CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_201	LAMT_BKG_301	LAMT_BKG_302	LAMT_BKG_SW104	LAMT_IWBK_302	LAMT_SWBKG_101	LAMT_SWBKG_102
						Sample ID	LAMT0729SWBKG201	LAMT0715BKG301	LAMT0719BKG302	LAMT0718BKG104	LAMT0810IWBKG302	LAMT0801SWBKG101	LAMT0720BKG102
						Date	7/29/2011	7/15/2011	7/19/2011	7/18/2011	8/10/2011	8/1/2011	7/20/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_201	LAMT_BKG_301	LAMT_BKG_302	LAMT_BKG_SW104	LAMT_IWBK_302	LAMT_SWBKG_101	LAMT_SWBKG_102
						Sample ID	LAMT0729SWBKG201	LAMT0715BKG301	LAMT0719BKG302	LAMT0718BKG104	LAMT0810IWBKG302	LAMT0801SWBKG101	LAMT0720BKG102
						Date	7/29/2011	7/15/2011	7/19/2011	7/18/2011	8/10/2011	8/1/2011	7/20/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_201	LAMT_BKG_301	LAMT_BKG_302	LAMT_BKG_SW104	LAMT_IWBK_302	LAMT_SWBKG_101	LAMT_SWBKG_102
						Sample ID	LAMT0729SWBKG201	LAMT0715BKG301	LAMT0719BKG302	LAMT0718BKG104	LAMT0810IWBKG302	LAMT0801SWBKG101	LAMT0720BKG102
						Date	7/29/2011	7/15/2011	7/19/2011	7/18/2011	8/10/2011	8/1/2011	7/20/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U

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CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_BKG_201	LAMT_BKG_301	LAMT_BKG_302	LAMT_BKG_SW104	LAMT_IWBK_302	LAMT_SWBKG_101	LAMT_SWBKG_102
						Sample ID	LAMT0729SWBKG201	LAMT0715BKG301	LAMT0719BKG302	LAMT0718BKG104	LAMT0810IWBKG302	LAMT0801SWBKG101	LAMT0720BKG102
						Date	7/29/2011	7/15/2011	7/19/2011	7/18/2011	8/10/2011	8/1/2011	7/20/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.041 U	< 0.045 U	< 0.043 U	< 0.04 U	< 0.043 U	< 0.042 U	< 0.042 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 207 U	< 214 U	< 217 U	< 209 U	< 208 U	< 212 U	< 207 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA

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Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_SWBKG_203	LAMT_SWBKG_301	LAMT_SWBKG004	LOMT_353_SW201	LOMT_503_SW202	MCMT_476_SW201	PPMT_508_SW101
						Sample ID	LAMT0804SWBKG203	LAMT0721SWBKG301	LAMT0708SWBKG304	LOMT0712SW201	LOMT0805SW202	MCMT0802SW201	PPMT0808SW101
						Date	8/4/2011	7/21/2011	7/8/2011	7/12/2011	8/5/2011	8/2/2011	8/8/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 20 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	NA	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	LAMT_SWBKG_203	LAMT_SWBKG_301	LAMT_SWBKG004	LOMT_353_SW201	LOMT_503_SW202	MCMT_476_SW201	PPMT_508_SW101
						Sample ID	LAMT0804SWBKG203	LAMT0721SWBKG301	LAMT0708SWBKG304	LOMT0712SW201	LOMT0805SW202	MCMT0802SW201	PPMT0808SW101
						Date	8/4/2011	7/21/2011	7/8/2011	7/12/2011	8/5/2011	8/2/2011	8/8/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	NA	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 1 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	NA	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	NA	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 1 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 1 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 1 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	< 10.4 U	NA	NA	NA	< 10.2 U	NA	< 10.5 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	< 52.1 U	NA	< 10 U	NA	< 51 U	NA	< 52.6 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	< 52.1 U	NA	< 50 U	NA	< 51 U	NA	< 52.6 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	< 52.1 U	NA	NA	NA	< 51 U	NA	< 52.6 U
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	< 20.8 U	NA	< 10 U	NA	< 20.4 U	NA	< 21.1 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	< 20.8 U	NA	< 10 U	NA	< 20.4 U	NA	< 21.1 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	< 52.1 U	NA	NA	NA	< 51 U	NA	< 52.6 U
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	< 52.1 U	NA	< 50 U	NA	< 51 U	NA	< 52.6 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	< 52.1 U	NA	NA	NA	< 51 U	NA	< 52.6 U

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						Date	8/4/2011	7/21/2011	7/8/2011	7/12/2011	8/5/2011	8/2/2011	8/8/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	< 52.1 U	NA	NA	NA	< 51 U	NA	< 52.6 U
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	< 52.1 U	NA	< 50 U	NA	< 51 U	NA	< 52.6 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	< 10.4 U	NA	NA	NA	< 10.2 U	NA	< 10.5 U
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 20.8 U	NA	< 10 U	NA	< 20.4 U	NA	< 21.1 U
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	< 10.4 U	NA	NA	NA	< 10.2 U	NA	< 10.5 U
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	< 24 U	NA	< 50 U	NA	< 23.5 U	NA	< 24.2 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 10.4 U	NA	< 10 U	NA	< 10.2 U	NA	< 10.5 U
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	NA	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U

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						Sample ID	LAMT0804SWBKG203	LAMT0721SWBKG301	LAMT0708SWBKG304	LOMT0712SW201	LOMT0805SW202	MCMT0802SW201	PPMT0808SW101
						Date	8/4/2011	7/21/2011	7/8/2011	7/12/2011	8/5/2011	8/2/2011	8/8/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	< 0.042 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.042 U	< 0.042 U	< 0.1 U	< 0.045 U	< 0.041 U	< 0.045 U	NA
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 226 U	< 208 U	< 209 U	< 203 U	< 206 U	< 237 U	< 213 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	< 20.8	NA	< 10	NA	< 20.4	NA	NA
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	366	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	64.1	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	7.58	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	22	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	PPMT_SW201	PPMT_SW202	SHMT_393_SW102	SHMT_393_SW102	SHMT_393_SW103	SHMT_393_SW305	SIMT_477_SW201	TEMT_384_SW302
						Sample ID	PPMT0809SW201	PPMT0809SW202	SHM0721SW102	SHMT0721SW102DUP	SHMT0721SW103	SHMT0721SW305	SIMT0802SW201	TEMT0718SW302
						Date	8/9/2011	8/9/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	8/2/2011	7/18/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
EPA 2540														
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA	NA
EPA 6020														
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
EPA 7470A														
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8260B														
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	NA	NA	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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						Location ID	PPMT_SW201	PPMT_SW202	SHMT_393_SW102	SHMT_393_SW102	SHMT_393_SW103	SHMT_393_SW305	SIMT_477_SW201	TEMT_384_SW302
						Sample ID	PPMT0809SW201	PPMT0809SW202	SHM0721SW102	SHMT0721SW102DUP	SHMT0721SW103	SHMT0721SW305	SIMT0802SW201	TEMT0718SW302
						Date	8/9/2011	8/9/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	8/2/2011	7/18/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	NA	NA	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	NA	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	6.3	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	NA	NA	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	NA	NA	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	NA	NA	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270														
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA

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						Location ID	PPMT_SW201	PPMT_SW202	SHMT_393_SW102	SHMT_393_SW102	SHMT_393_SW103	SHMT_393_SW305	SIMT_477_SW201	TEMT_384_SW302
						Sample ID	PPMT0809SW201	PPMT0809SW202	SHM0721SW102	SHMT0721SW102DUP	SHMT0721SW103	SHMT0721SW305	SIMT0802SW201	TEMT0718SW302
						Date	8/9/2011	8/9/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	8/2/2011	7/18/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
EPA 8270 by SIM														
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	PPMT_SW201	PPMT_SW202	SHMT_393_SW102	SHMT_393_SW102	SHMT_393_SW103	SHMT_393_SW305	SIMT_477_SW201	TEMT_384_SW302
						Sample ID	PPMT0809SW201	PPMT0809SW202	SHM0721SW102	SHMT0721SW102DUP	SHMT0721SW103	SHMT0721SW305	SIMT0802SW201	TEMT0718SW302
						Date	8/9/2011	8/9/2011	7/21/2011	7/21/2011	7/21/2011	7/21/2011	8/2/2011	7/18/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units								
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	0.056	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.047 U	< 0.045 U	< 0.043 U	< 0.044 U	< 0.042 U	< 0.041 U	< 0.046 U	< 0.042 U
MADEP EPH														
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	869	573	< 246 U	< 219 U	< 219 U	< 213 U	< 241 U	< 216 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
MADEP VPH														
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	NA	NA	< 20 U	< 20 U	57.3	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	NA	NA	< 20 U	< 20 U	57.9	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	NA	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	NA	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	NA	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	NA	NA	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	NA	NA	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	NA	NA	< 0.5 U	< 0.5 U	0.57	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	NA	NA	< 20 U	< 20 U	63.2	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	NA	NA	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17														
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA	NA
FIELD														
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
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Silvertip Pipeline Incident Response

						Location ID	TEMT_384_SW303	WOMT_397_SW101	WOMT_399_SW201	WOMT_399_SW202	WOMT_399_SW203	WOMT_399_SW203	WOMT_417_SW201
						Sample ID	TEMT0718SW303	WOMT0723SW101	WOMT0825SW201	WOMT0825SW202	WOMT0825SW203	WOMT0825SW204	WOMT0729SW201
						Date	7/18/2011	7/23/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	7/29/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
EPA 2540													
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA	NA	NA
EPA 6020													
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 7470A													
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8260B													
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

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						Location ID	TEMT_384_SW303	WOMT_397_SW101	WOMT_399_SW201	WOMT_399_SW202	WOMT_399_SW203	WOMT_399_SW203	WOMT_417_SW201
						Sample ID	TEMT0718SW303	WOMT0723SW101	WOMT0825SW201	WOMT0825SW202	WOMT0825SW203	WOMT0825SW204	WOMT0729SW201
						Date	7/18/2011	7/23/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	7/29/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
EPA 8270													
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	NA	< 20.4 U	< 20.7 U	< 21.3 U	< 20.6 U	NA
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	NA	< 20.4 U	< 20.7 U	< 21.3 U	< 20.6 U	NA
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA

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						Location ID	TEMT_384_SW303	WOMT_397_SW101	WOMT_399_SW201	WOMT_399_SW202	WOMT_399_SW203	WOMT_399_SW203	WOMT_417_SW201
						Sample ID	TEMT0718SW303	WOMT0723SW101	WOMT0825SW201	WOMT0825SW202	WOMT0825SW203	WOMT0825SW204	WOMT0729SW201
						Date	7/18/2011	7/23/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	7/29/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	NA	< 51 U	< 51.8 U	< 53.2 U	< 51.5 U	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	NA	< 20.4 U	< 20.7 U	< 21.3 U	< 20.6 U	NA
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	NA	< 23.5 U	< 23.8 U	< 24.5 U	< 23.7 U	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	NA	< 10.2 U	< 10.4 U	< 10.6 U	< 10.3 U	NA
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
EPA 8270 by SIM													
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U

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						Location ID	TEMT_384_SW303	WOMT_397_SW101	WOMT_399_SW201	WOMT_399_SW202	WOMT_399_SW203	WOMT_399_SW203	WOMT_417_SW201
						Sample ID	TEMT0718SW303	WOMT0723SW101	WOMT0825SW201	WOMT0825SW202	WOMT0825SW203	WOMT0825SW204	WOMT0729SW201
						Date	7/18/2011	7/23/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011	7/29/2011
						Sample Type	Normal	Normal	Normal	Normal	Normal	Field Duplicate	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units							
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.043 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.041 U	< 0.042 U
MADEP EPH													
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 210 U	< 211 U	< 207 U	< 211 U	< 206 U	< 221 U	< 220 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
MADEP VPH													
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17													
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	NA	< 20.4	< 20.7	< 21.3	< 20.6	NA
FIELD													
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	0	0	0
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA	NA	NA

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						Location ID	WOMT_417_SW201	WOMT_418_SW201	WOMT_456_SW101	WOMT_487_SW301	WOMT100811WS0101
						Sample ID	WOMT0729SW202	WOMT0728SW201	WOMT0805SW101	WOMT0803SW301	WOMT100811WS0101
						Date	7/29/2011	7/28/2011	8/5/2011	8/3/2011	10/8/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units					
EPA 2540											
Total Suspended Solids	ARC-TSS	NS	NS	NS	NS	mg/l	NA	NA	NA	NA	NA
EPA 6020											
Arsenic	7440-38-2	10	340	150	NS	ug/l	NA	NA	NA	NA	NA
Barium	7440-39-3	1000	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Cadmium	7440-43-9	5	0.52	0.097	NS	ug/l	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Lead	7439-92-1	15	13.98	0.545	NS	ug/l	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	145	16.1	NS	ug/l	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	20	5	NS	ug/l	NA	NA	NA	NA	NA
Silver	7440-22-4	100	0.374	NS	NS	ug/l	NA	NA	NA	NA	NA
Vanadium	7440-62-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
EPA 7470A											
Mercury	7439-97-6	0.05	1.7	0.91	NS	ug/l	NA	NA	NA	NA	NA
EPA 8260B											
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1,1-Trichloroethane	71-55-6	200	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1,2-Trichloroethane	79-00-5	3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1-Dichloroethane	75-34-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1-Dichloroethene	75-35-4	7	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,1-Dichloropropene	563-58-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2,3-Trichloropropane	96-18-4	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2,4-Trimethylbenzene	95-63-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
1,2-Dibromoethane (EDB)	106-93-4	0.004	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dichloroethane	107-06-2	3.8	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,2-Dichloropropane	78-87-5	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
1,3,5-Trimethylbenzene	108-67-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,3-Dichloropropane	142-28-9	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
2,2-Dichloropropane	594-20-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
2-Butanone (MEK)	78-93-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
2-Chloroethyl Vinyl Ether	110-75-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
2-Chlorotoluene	95-49-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
4-Chlorotoluene	106-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Acetone	67-64-1	NS	NS	NS	NS	ug/l	< 25 U	< 25 U	< 25 U	< 25 U	< 25.0 U
Allyl chloride	107-05-1	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromobenzene	108-86-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromochloromethane	74-97-5	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromodichloromethane	75-27-4	5.5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Bromomethane	74-83-9	47	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Carbon tetrachloride	56-23-5	2.3	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Chlorobenzene	108-90-7	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Chlorodibromomethane	124-48-1	4	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Chloroethane	75-00-3	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Chloroform	67-66-3	57	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Chloromethane	74-87-3	30	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
cis-1,2-Dichloroethene	156-59-2	70	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U

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						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units					
cis-1,3-Dichloropropene	10061-01-5	3.4	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Dibromomethane	74-95-3	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Dichlorodifluoromethane (CFC-12)	75-71-8	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Dichlorofluoromethane	75-43-4	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Diethyl ether	60-29-7	NS	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U
Isopropylbenzene (Cumene)	98-82-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U
Methylene chloride	75-09-2	5	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 10.0 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
n-Butylbenzene	104-51-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
n-Propylbenzene	103-65-1	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
p-Isopropyltoluene	99-87-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
sec-Butylbenzene	135-98-8	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Styrene	100-42-5	100	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
tert-Butylbenzene	98-06-6	NS	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Tetrachloroethene	127-18-4	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Tetrahydrofuran	109-99-9	NS	NS	NS	NS	ug/l	< 10 U	< 10 U	< 10 U	< 10 U	< 10.0 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
trans-1,2-dichloroethene	156-60-5	100	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
trans-1,3-dichloropropene	10061-02-6	2	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Tribromomethane	75-25-2	43	NS	NS	NS	ug/l	< 4 U	< 4 U	< 4 U	< 4 U	< 4.0 U
Trichloroethene	79-01-6	5	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Trichlorofluoromethane (CFC-11)	75-69-4	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Vinyl chloride	75-01-4	0.25	NS	NS	NS	ug/l	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.40 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 3 U	< 3 U	< 3 U	< 3 U	< 3.0 U
EPA 8270											
1,2,4-Trichlorobenzene	120-82-1	35	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
1,2-Dichlorobenzene	95-50-1	420	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
1,2-Diphenylhydrazine	122-66-7	0.36	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
1,3-Dichlorobenzene	541-73-1	320	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
1,4-Dichlorobenzene	106-46-7	75	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2,4,5-Trichlorophenol	95-95-4	1800	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
2,4,6-Trichlorophenol	88-06-2	14	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2,4-Dichlorophenol	120-83-2	77	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2,4-Dimethylphenol	105-67-9	380	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2,4-Dinitrophenol	51-28-5	69	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
2,4-Dinitrotoluene	121-14-2	1.1	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2,6-Dinitrotoluene	606-20-2	0.5	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2-Chloronaphthalene	91-58-7	1000	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2-Chlorophenol	95-57-8	81	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2-Methylphenol (o-Cresol)	95-48-7	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
2-Nitroaniline	88-74-4	NS	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
2-Nitrophenol	88-75-5	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
3&4-Methylphenol	ARC-3/4-Cresol	NS	NS	NS	NS	ug/l	NA	NA	< 20.6 U	NA	< 22.3 U
3,3'-Dichlorobenzidine	91-94-1	0.21	NS	NS	NS	ug/l	NA	NA	< 20.6 U	NA	< 22.3 U
3-Nitroaniline	99-09-2	NS	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
4,6-Dinitro-2-methylphenol	534-52-1	13	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
4-Bromophenyl phenyl ether	101-55-3	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
4-Chloro-3-methylphenol	59-50-7	3000	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
4-Chloroaniline	106-47-8	NS	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U

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4-Chlorophenol	106-48-9	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
4-Nitroaniline	100-01-6	NS	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
4-Nitrophenol	100-02-7	60	NS	NS	NS	ug/l	NA	NA	< 51.5 U	NA	< 55.9 U
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Azobenzene	103-33-3	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Benzidine	92-87-5	0.00086	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Bis(2-chloroethoxy)methane	111-91-1	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Bis(2-chloroethyl)ether	111-44-4	0.3	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
bis(2-chloroisopropyl)ether	108-60-1	1400	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Bis(2-ethylhexyl)phthalate	117-81-7	6	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Butylbenzylphthalate	85-68-7	1500	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Carbazole	86-74-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	NA	NA	< 20.6 U	NA	< 22.3 U
Dibenzofuran	132-64-9	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Diethyl phthalate	84-66-2	17000	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Dimethyl phthalate	131-11-3	270000	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Di-n-butyl phthalate	84-74-2	2000	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Di-n-octyl phthalate	117-84-0	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Hexachloro-1,3-butadiene	87-68-3	4.4	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Hexachlorobenzene	118-74-1	0.0028	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Hexachlorocyclopentadiene	77-47-4	40	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	14	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Isophorone	78-59-1	350	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Nitrobenzene	98-95-3	17	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
n-Nitrosodimethylamine	62-75-9	0.0069	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
n-Nitroso-di-n-propylamine	621-64-7	0.05	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
n-nitrosodiphenylamine	86-30-6	33	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Pentachlorophenol	87-86-5	1	5.3	4	NS	ug/l	NA	NA	< 23.7 U	NA	< 25.7 U
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Phenol	108-95-2	300	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Pyrene	129-00-0	830	NS	NS	NS	ug/l	NA	NA	< 10.3 U	NA	< 11.2 U
Pyridine	110-86-1	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
EPA 8270 by SIM											
1-Methylnaphthalene	90-12-0	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	670	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Acenaphthylene	208-96-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Anthracene	120-12-7	8300	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Benzo(a)anthracene	56-55-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Benzo(a)pyrene	50-32-8	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Benzo(b)fluoranthene	205-99-2	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Benzo(g,h,i)perylene	191-24-2	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	207-08-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

						Location ID	WOMT_417_SW201	WOMT_418_SW201	WOMT_456_SW101	WOMT_487_SW301	WOMT100811WS0101
						Sample ID	WOMT0729SW202	WOMT0728SW201	WOMT0805SW101	WOMT0803SW301	WOMT100811WS0101
						Date	7/29/2011	7/28/2011	8/5/2011	8/3/2011	10/8/2011
						Sample Type	Field Duplicate	Normal	Normal	Normal	Normal
Chemical	Chemical Registry Number	DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water	DEQ-7 Aquatic Life Standards - Acute	DEQ-7 Aquatic Life Standards - Chronic	Tier 1 Groundwater RBSLs and Standards Table	Units					
Chrysene	218-01-9	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Dibenzo(a,h)anthracene	53-70-3	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Fluoranthene	206-44-0	130	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Fluorene	86-73-7	1100	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	0.059	< 0.044 U	< 0.043 U	< 0.042 U	NA
Phenanthrene	85-01-8	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Pyrene	129-00-0	830	NS	NS	NS	ug/l	< 0.043 U	< 0.044 U	< 0.043 U	< 0.042 U	NA
MADEP EPH											
Total Extractable Hydrocarbons	ARC-EPH	NS	NS	NS	1000	ug/l	< 241 U	< 208 U	< 213 U	< 214 U	< 211 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
MADEP VPH											
Aliphatic (C05-C08), Adjusted	ARC-C5-C8ALIADJ	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 U
Aliphatic (C05-C08).Unadjusted	ARC-C5-C8ALIUNA	NS	NS	NS	700	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 U
Aliphatic (C09-C12), Adjusted	ARC-C9-C12ALIAD	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 J
Aliphatic (C09-C12).Unadjusted	ARC-C9-C12ALIUN	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 J
Benzene	71-43-2	5	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
C9-C10 Aromatics	C9-C10-A	NS	NS	NS	1000	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 J
Ethylbenzene	100-41-4	530	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
m&p-Xylene	179601-23-1	10000	NS	NS	NS	ug/l	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U
Methyl-tert-butylether	1634-04-4	30	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
Naphthalene	91-20-3	100	NS	NS	NS	ug/l	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U
o-Xylene	95-47-6	10000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
Toluene	108-88-3	1000	NS	NS	NS	ug/l	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.50 U
Total Petroleum Hydrocarbons	ARC-TPH	NS	NS	NS	NS	ug/l	NA	NA	NA	NA	NA
Total Purgeable Hydrocarbons	ARC-PPH	NS	NS	NS	NS	ug/l	< 20 U	< 20 U	< 20 U	< 20 U	< 20.0 U
Xylenes, total	1330-20-7	10000	NS	NS	NS	ug/l	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
TPAH-17											
Total PAHs (sum of 17 PAHs) by normal methods	TPAH-17	NS	NS	NS	NS	ug/l	NA	NA	< 20.6	NA	< 22.3
FIELD											
Color	ARC-Color	NS	NS	NS	NS	NA	0	0	0	0	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	mS	NA	NA	NA	NA	NA
Conductivity	ARC-Cond	NS	NS	NS	NS	uS	NA	NA	NA	NA	NA
Dissolved oxygen (DO)	DO	NS	NS	NS	NS	%	NA	NA	NA	NA	NA
Odor	ARC-Odor	NS	NS	NS	NS	NA	0	0	0	0	NA
pH	ARC-pH	NS	NS	NS	NS	SU	NA	NA	NA	NA	NA
Temperature, water	TEMP-W	NS	NS	NS	NS	deg C	NA	NA	NA	NA	NA

Table 1
CTEH and ARCADIS Surface Water Sample Analytical Results
Claims Surface Water Data Report
Silvertip Pipeline Incident Response

Notes:
1. Shaded values represent values detected above the DEQ's Circular DEQ-7 Montana Numeric Water Quality Standards - Human Health - Surface Water.
2. There were no results detected above the DEQ-7 Aquatic Life Standards - Acute, DEQ-7 Aquatic Life Standards - Chronic, or Tier 1 Groundwater RBSLs and Standards Table screening values.
3. The MDEQ AOC for Silvertip Pipeline Incident Response indicates surface water results must be compared to Circular DEQ-7 Montana Numeric Water Quality Standards with Tier 1 RBSLs used for EPH and VPH (http://deq.mt.gov/wqinfo/circulars.mcpx).

Acronyms and Abbreviations:
% = percent
deg C = degress Celsius
mg/l = milligram per liter
mS = milliSiemens
NA = not analyzed
NS = no screening level
RBSLs = Risk Based Screening Levels
SU = standard units
ug/l = microgram per liter
uS = microSiemens

Qualifier Definitions:
J = The compound was positively identified; however, the associated numerical value is an estimated concentration only
R = The data was rejected.
U = The compound was not detected above the reported detection limit
UJ = The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated with a potential low bias.

Figures

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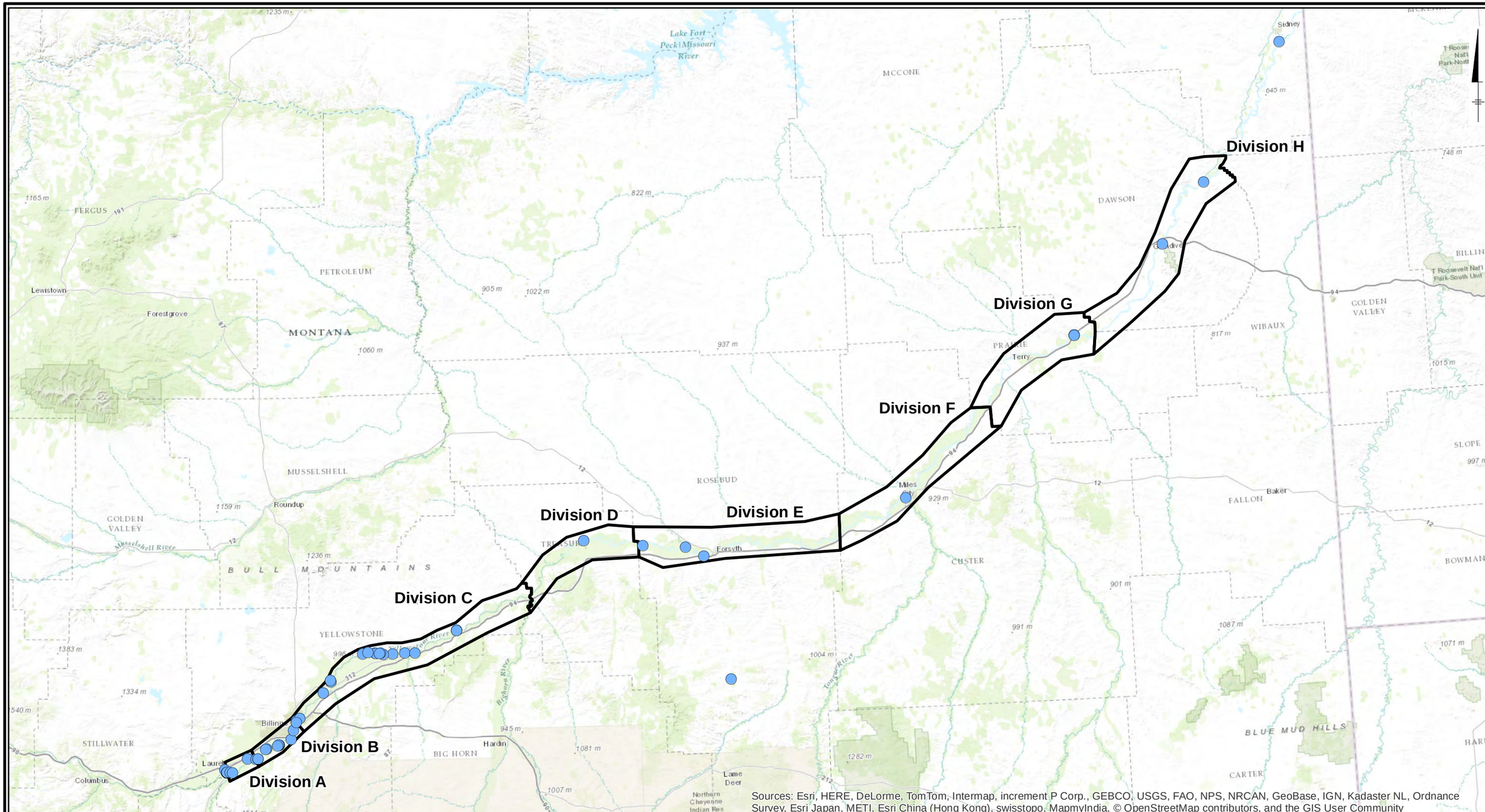
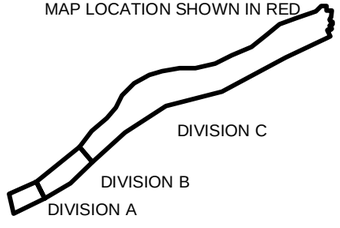


LEGEND:

- APPROXIMATE LOCATION OF CLAIMS SURFACE WATER SAMPLE
- SILVERTIP PIPELINE INCIDENT AREA OF OPERATION

0 20 40 Miles
GRAPHIC SCALE

MAP LOCATION SHOWN IN RED



SILVERTIP PIPELINE INCIDENT RESPONSE
LAUREL, MONTANA

CLAIMS SURFACE WATER DATA REPORT

SURFACE WATER SAMPLES IN ALL DIVISIONS

ARCADIS

FIGURE
1

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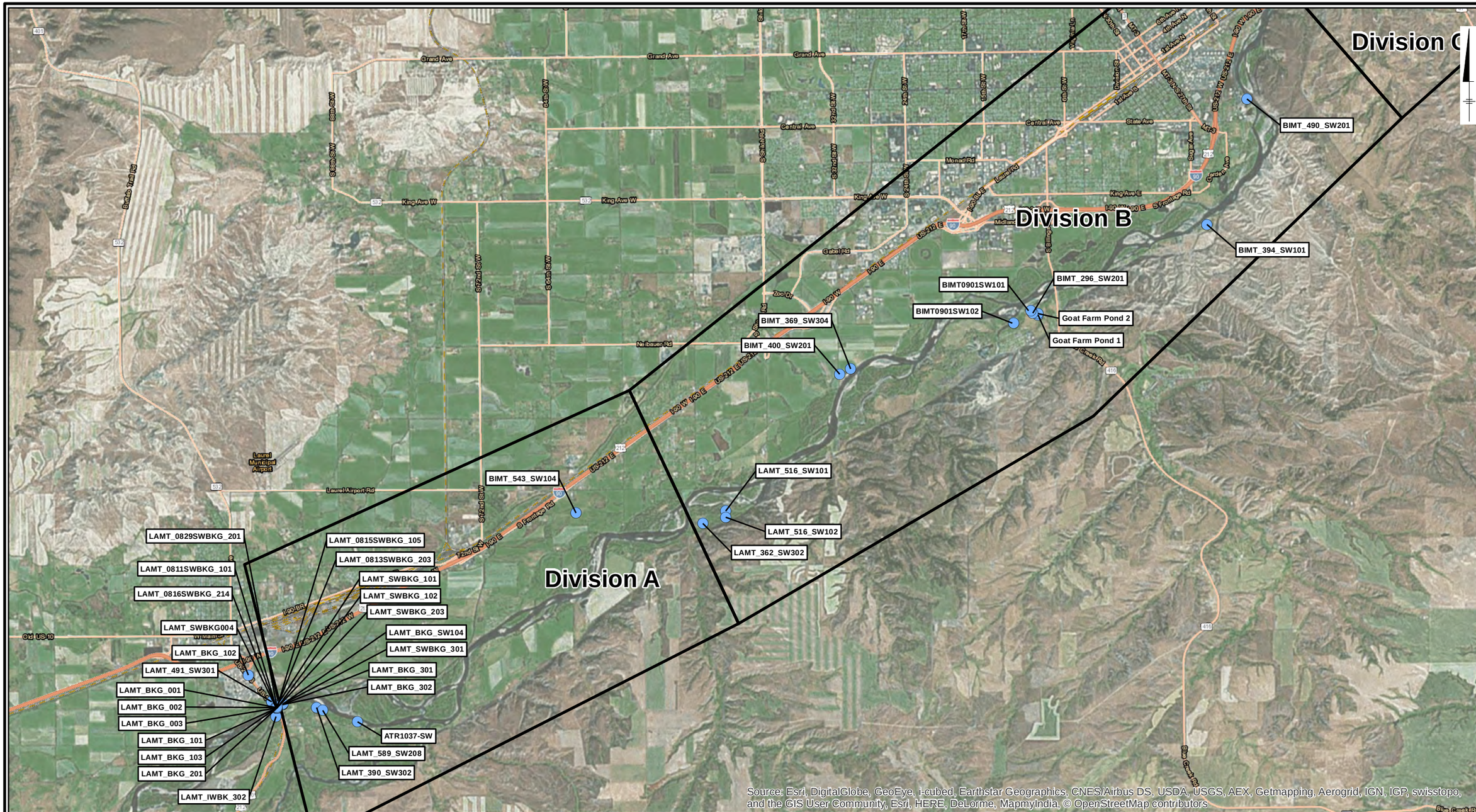
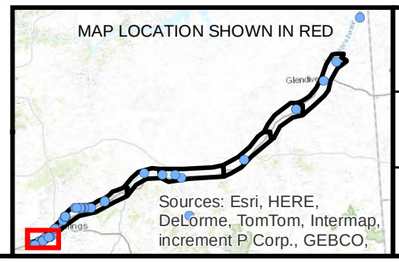


LEGEND:

- APPROXIMATE LOCATION OF CLAIMS SURFACE WATER SAMPLE
- SILVERTIP PIPELINE INCIDENT AREA OF OPERATION

0 7,000 14,000 Feet
GRAPHIC SCALE

MAP LOCATION SHOWN IN RED



SILVERTIP PIPELINE INCIDENT RESPONSE
LAUREL, MONTANA

CLAIMS SURFACE WATER DATA REPORT

SURFACE WATER SAMPLES IN DIVISIONS A & B

ARCADIS

FIGURE
2

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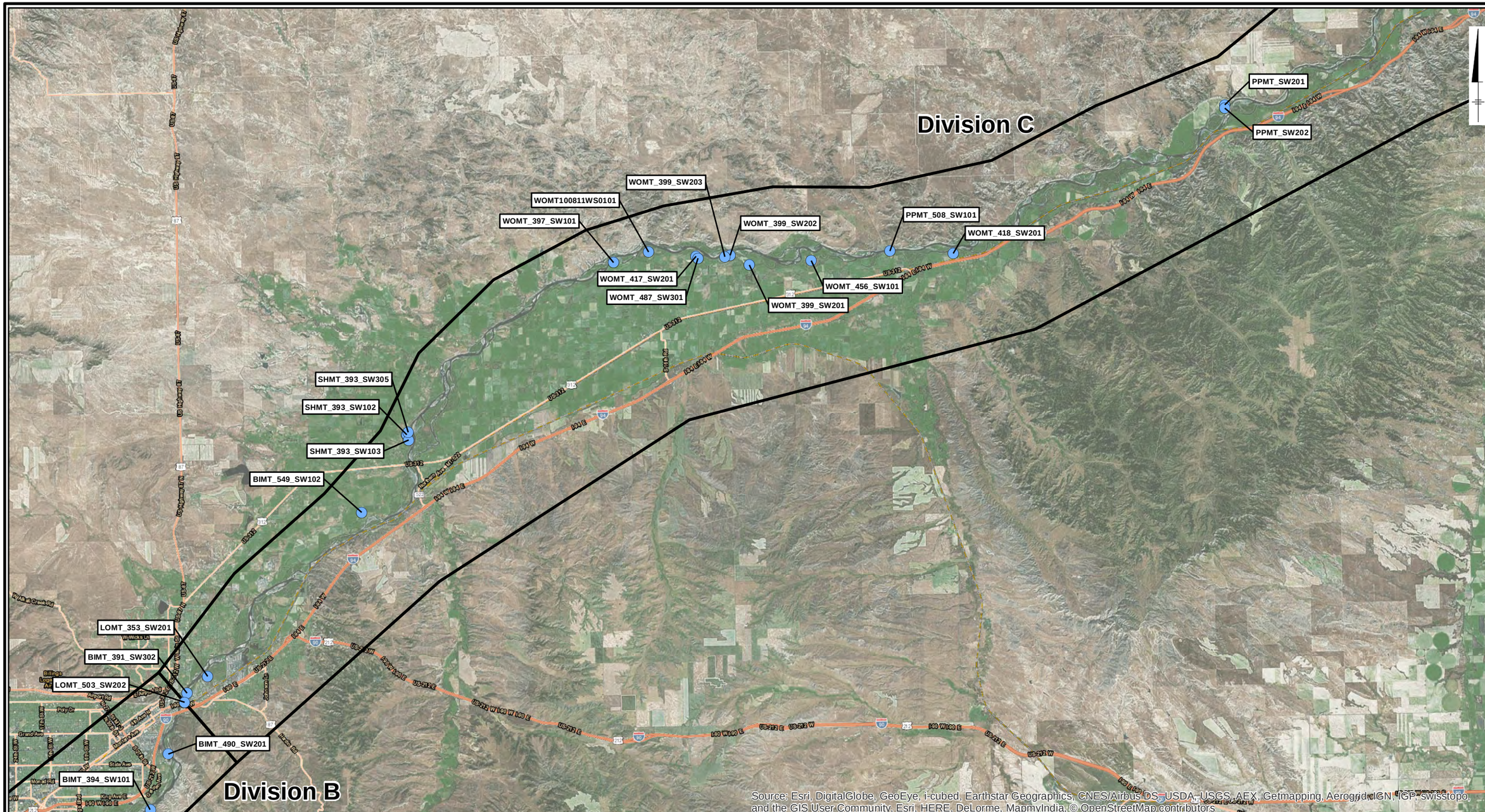
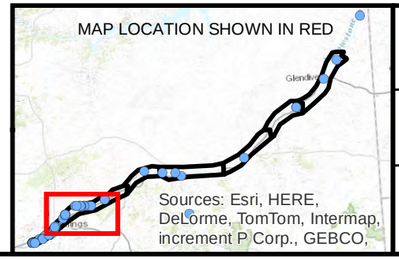


LEGEND:

- APPROXIMATE LOCATION OF CLAIMS SURFACE WATER SAMPLE
- SILVERTIP PIPELINE INCIDENT AREA OF OPERATION

0 3 6 Miles
GRAPHIC SCALE



SILVERTIP PIPELINE INCIDENT RESPONSE
LAUREL, MONTANA

CLAIMS SURFACE WATER DATA REPORT

SURFACE WATER SAMPLES IN DIVISION C

ARCADIS

FIGURE
3

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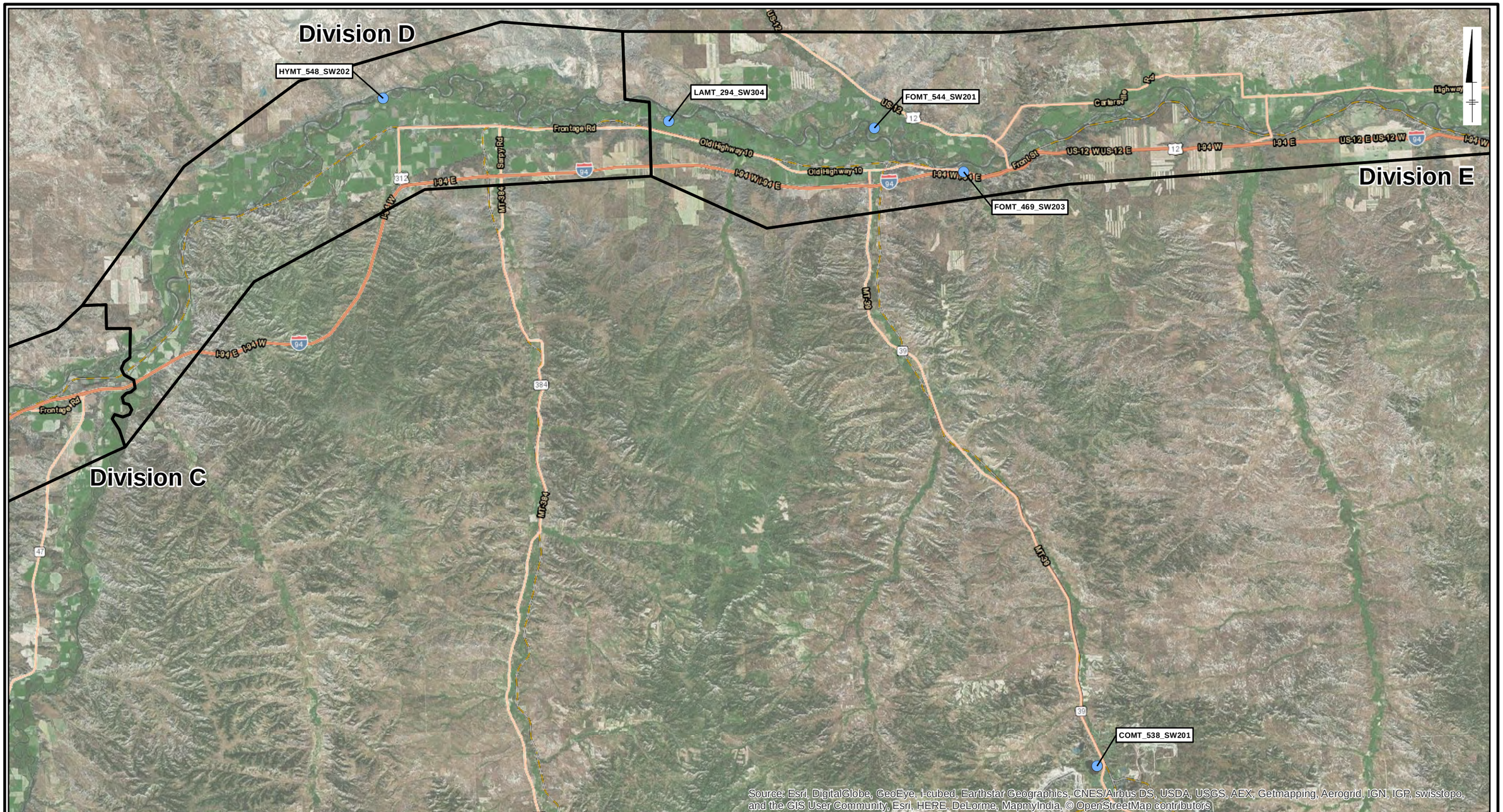

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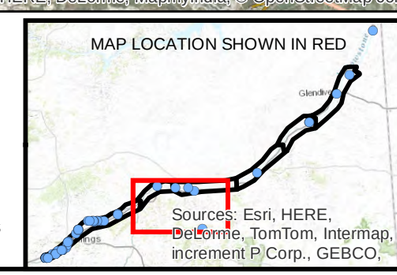
LEGEND:

- APPROXIMATE LOCATION OF CLAIMS SURFACE WATER SAMPLE
- SILVERTIP PIPELINE INCIDENT AREA OF OPERATION

0 4 8 Miles

GRAPHIC SCALE



SILVERTIP PIPELINE INCIDENT RESPONSE
LAUREL, MONTANA

CLAIMS SURFACE WATER DATA REPORT

SURFACE WATER SAMPLES IN DIVISIONS D & E

ARCADIS

FIGURE
4

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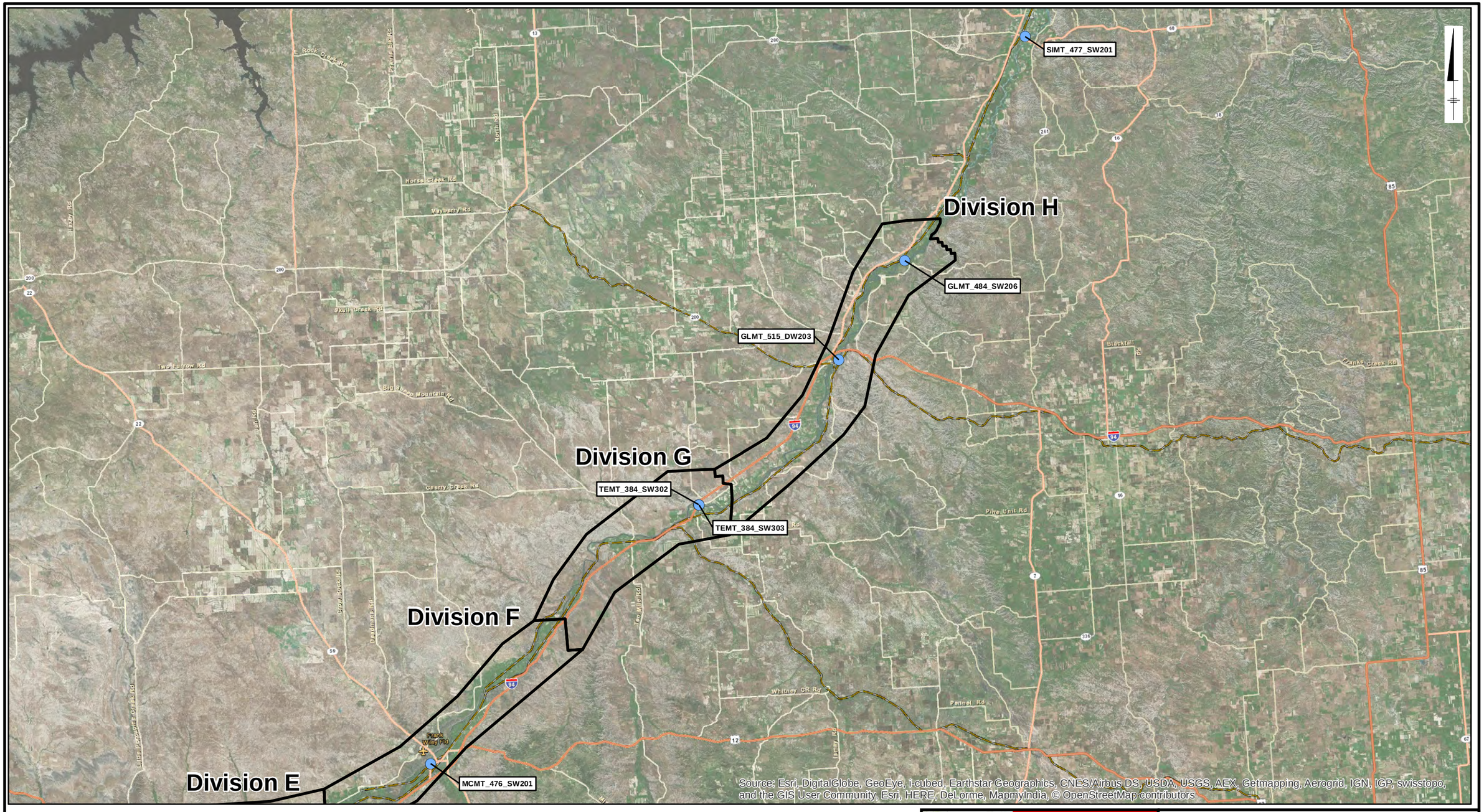
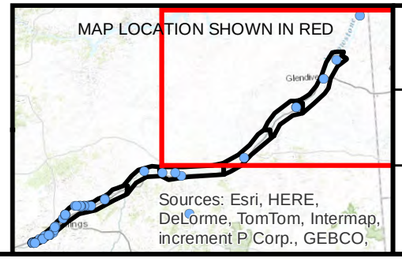


LEGEND:

- APPROXIMATE LOCATION OF CLAIMS SURFACE WATER SAMPLE
- SILVERTIP PIPELINE INCIDENT AREA OF OPERATION

0 12 24 Miles

GRAPHIC SCALE



SILVERTIP PIPELINE INCIDENT RESPONSE
LAUREL, MONTANA

CLAIMS SURFACE WATER DATA REPORT

SURFACE WATER SAMPLES IN DIVISIONS F, G, H & DOWNSTREAM

ARCADIS

FIGURE
5

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