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Chevron Environmental Management Company

Annual 2011 Groundwater Monitoring Report

Former Chevron Bulk Plant 1001430
Former Texaco Bulk Plant 211815
Former Unocal Bulk Plant 306456
418 Illinois Street, 410 Driveway Street, and
328 ½ Illinois Street
Fairbanks, Alaska

January 26, 2012

ARCADIS

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Annual 2011 Groundwater Monitoring Report

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418 Illinois Street, 410 Driveway Street, and 328 ½ Illinois Street
Fairbanks, Alaska

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Chevron Environmental Management Company

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January 26, 2012

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ARCADIS

Annual 2011 Groundwater Monitoring Report

Former Chevron Bulk Plant 1001430
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1. Introduction

On behalf of Chevron Environmental Management Company (Chevron), ARCADIS US, Inc. (ARCADIS), has prepared this report to document the annual 2011 groundwater sampling event results for former Chevron Bulk Plant 1001430, former Texaco Bulk Plant 211815, and former Unocal Bulk Plant 306456 located at 418 Illinois Street, 410 Driveway Street, and 328 ½ Illinois Street, respectively, in Fairbanks, Alaska. The site location map and site map are shown on **Figure 1** and **Figure 2**, respectively. This report summarizes the groundwater sampling event conducted by ARCADIS from September 20 through September 24, 2011. Work was conducted under the direction of a "qualified person" as defined in 18 Alaska Administrative Code (AAC) 75.990 (100), and 18 AAC 78.995 (118).

2. Groundwater Monitoring

2.1. Groundwater Gauging Methods

The annual 2011 groundwater gauging event was conducted September 20-21, 2011. Site monitoring wells were gauged with an oil/water interface probe to determine depth-to-water and to ascertain if light-non-aqueous phase liquid (LNAPL) was present. Monitoring wells which are a part of the annual gauging program include:

Former Chevron 1001430:

TH-1, TH-2, TH-5, TH-7, TH-10, MW-25, and MW-23

Former Unocal 306456:

GEI-1 through GEI-12, MW-1 through MW-6, MW-13, MW-14, MW-15, K-5, and K-7

Former Texaco 211815:

MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, AR-81, and AR-85

In order to prevent the possibility of cross-contamination, wells were gauged in the order of lowest to highest historical petroleum hydrocarbon concentrations in groundwater. In addition, non-disposable groundwater gauging equipment was

decontaminated prior to and after each use with a detergent solution and rinsed in potable water.

2.2. Groundwater Elevation and Flow Direction

Groundwater elevations ranged between 429.11 feet above mean sea level (msl) in monitoring well GEI-3 (Unocal) and 430.32 feet above msl in monitoring well MW-1 (Texaco). The groundwater elevation data obtained from the annual 2011 event were used to construct a groundwater elevation contour map shown on **Figure 3**. These data indicate groundwater flow direction is to the west towards the Chena River. The groundwater elevations and flow directions are consistent with historical groundwater monitoring events.

The following groundwater monitoring wells were unable to be gauged and/or sampled during the 2011 annual groundwater monitoring event:

Former Chevron 1001430:

Monitoring wells TH-13, TH-17, and TH-18 were not accessible due to permit stipulations with Alaska Railroad Company (ARRC). The access issues are currently being negotiated between ARRC and Chevron. Access to these wells will require a permit. Monitoring well MW-23 could not be sampled due to an obstruction. Monitoring well MW-25 could not be sampled due to trace amounts (globules) of LNAPL present.

Former Unocal 306456:

Monitoring wells GEI-1 through GEI-4, GEI-7, GEI-8, GEI-9, GEI-12, MW-5, and MW-15 could not be sampled due to trace amounts (globules) of LNAPL present. Monitoring wells GEI-11 and MW-13 were not accessible due to permit stipulations with ARRC.

Current and historical groundwater elevation data are included in **Table 1a, 1b,** and **1c**. The groundwater monitoring event field notes are presented in **Appendix A**. Historical groundwater elevation plotted against LNAPL thickness and analytical results are depicted in **Figures A** and **B** as hydrographs.

2.3. Groundwater Sampling Methods

Annual 2011 groundwater monitoring was conducted September 20-24, 2011. Groundwater samples were collected from monitoring wells TH-1, TH-2, TH-5, TH-7, and TH-10 located at Former Chevron 1001430; monitoring wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, AR-81 and AR-85 located at Former Texaco 211815; monitoring wells GEI-5, GEI-6, GEI-10, MW-1 through MW-4, MW-6, MW-14, K-5, and K-7 at Former Unocal 306456, using no-purge sampling procedures in accordance with the ADEC field sampling procedures (ADEC 2010) and ARCADIS *Bailer-Grab Groundwater Sampling* (ARCADIS, 2009). A disposable Teflon® bailer was used to collect the samples. The bailer will be lowered slowly into the water column within the monitoring well to a depth of approximately three to four feet below the groundwater surface. The bailer will then be slowly retrieved to limit the amount of possible aeration of the water column. The groundwater sample will be collected from the bottom of the bailer using a disposable sampling tip. This technique will minimize the disturbance and aeration of the groundwater within the bailer. Groundwater samples were labeled, stored in a cooler packed with ice and submitted to Lancaster Laboratories (Lancaster) in Lancaster, Pennsylvania under proper chain-of-custody procedures. Samples were submitted for one or more of the following analyses:

Former Chevron 1001430:

- Gasoline range organics (GRO) by Alaska Method AK101
- Diesel range organics (DRO) by Alaska Method AK102
- Residual range organics (RRO) by Alaska Method AK103
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8021B

Former Texaco 211815:

- GRO by Alaska Method AK101
- DRO by Alaska Method AK102
- RRO by Alaska Method AK103
- BTEX and methyl-tert butyl ether (MTBE) by EPA method 8021B
- VOCs by EPA Method 8260B

Former Unocal 306456:

- GRO by Alaska Method AK101

- DRO by Alaska Method AK102
- RRO by Alaska Method AK103
- BTEX and MTBE by EPA method 8021B
- VOCs by EPA Method 8260B

2.4 Groundwater Analytical Results

2.4.1 Former Chevron 1001430

A concentration of GRO greater than the ADEC Groundwater Cleanup Level (GCL) (2,200 micrograms per liter [µg/L]) was detected in monitoring well TH-2 at a concentration of 20,000 µg/L.

Concentrations of DRO greater than the ADEC GCL (1,500 µg/L) were detected in monitoring wells TH-1 (BD-1) and TH-2 at 18,000 µg/L and 7,300 µg/L, respectively.

A concentration of RRO greater than the ADEC GCL (1,100 µg/L) was detected in monitoring well TH-2 at a concentration of 6,000 µg/L. The laboratory minimum detection limit (MDL) exceeded the GCL in the groundwater analyzed from well TH-1 (BD-1) at a concentration of 3,300 µg/L.

Concentrations of benzene greater than the ADEC GCL (5 µg/L) were detected in the groundwater sample collected from monitoring well TH-2 at a concentration of 270 µg/L.

Concentrations of toluene greater than the ADEC GCL (1,000 µg/L) were detected in the groundwater sample collected from monitoring well TH-2 at a concentration of 1,500 µg/L.

Concentrations of ethylbenzene greater than the ADEC GCL (700 µg/L) were detected in the groundwater sample collected from monitoring well TH-2 at a concentration of 850 µg/L.

Groundwater analytical results for the Former Chevron 1001430 are presented in **Table 2a** and are shown on **Figure 4**.

2.4.2 Former Texaco 211815

Concentrations of GRO greater than the ADEC GCL(2,200 µg/L) were detected in monitoring wells MW-4, BD-1 (duplicate of MW-4), MW-5, and MW-7 with concentrations ranging between 5,000 µg/L (MW-5) and 38,000 µg/L (MW-4).

Concentrations of DRO greater than the ADEC GCL (1,500 µg/L) were detected in groundwater samples collected from monitoring wells MW-3, MW-4, BD-1, MW-5, MW-7, and MW-8, with concentrations ranging between 1,800 µg/L (MW-3) and 24,000 µg/L (MW-4).

Concentrations of RRO greater than the ADEC GCL (1,100 µg/L) were detected in groundwater samples collected from monitoring wells MW-3, MW-4, and BD-1 with concentrations ranging between 1,300 µg/L (MW-3) and 4,600 µg/L (BD-1).

Concentrations of benzene greater than the ADEC GCL (5 µg/L) were detected in groundwater samples collected from monitoring wells MW-4, BD-1, MW-5, MW-7, MW-8, and MW-9 with concentrations ranging between 5.1 µg/L (MW-8) and 2,400 µg/L (MW-4).

Concentrations of toluene greater than the ADEC GCL (1,000 µg/L) were detected in monitoring wells MW-4 and BD-1 at 4,400 µg/L and 4,000 µg/L, respectively.

Concentrations of ethylbenzene greater than the ADEC GCL (700 µg/L) were detected in monitoring wells MW-4 and BD-1 at 1,200 µg/L and 1,100 µg/L, respectively.

Concentrations of isopropylbenzene greater than the ADEC GCL (3.7 µg/L) were detected in monitoring wells MW-4 and MW-7 at 70 µg/L and 22 µg/L, respectively.

Analytical results for the former Texaco 211815 are presented in **Table 2b** and **Table 3** and are shown on **Figure 3** and **Figure 4**.

2.4.3 Former Unocal 306456

Groundwater samples collected during the annual 2011 monitoring event contained concentrations of DRO greater than the ADEC GCL (1,500 µg/L) were detected in groundwater samples collected from monitoring wells GEI-5, GEI-6, GEI-10, BD-1 (GEI-10), MW-3, and K-5, with concentrations ranging between 2,700 µg/L (GEI-6) and 17,000 µg/L (GEI-10).

A concentration of RRO greater than the ADEC GCL (1,100 µg/L) was detected in monitoring well GEI-6 at a concentration of 2,200 µg/L. The laboratory minimum detection limit (MDL) exceeded the GCL in groundwater samples analyzed from wells GEI-10 and MW-3 at concentrations of 3,400 µg/L and 1,300 µg/L, respectively.

Concentrations of benzene greater than the ADEC GCL (5 µg/L) were detected in groundwater samples collected from monitoring wells GEI-5, MW-3, and MW-14 with concentrations ranging between 12 µg/L (MW-14) and 290 µg/L (GEI-5).

Concentrations of VOCs were not detected above the respective ADEC GCLs on any of the monitoring wells sampled.

Analytical results for the Former Unocal 306456 are presented in **Tables 2c** and **Table 3** and are shown on **Figure 3** and **Figure 4**.

3. Laboratory Data Quality Assurance Summary

As required by ADEC (Technical Memorandum, dated March, 2009), ARCADIS completed a laboratory data review checklist for each of the Lancaster reports during the annual 2011 event. The laboratory reports are included as **Appendix B** and data review checklists are included as **Appendix C**. The following quality assurance (QA) summary describes six parameters, related to the quality and usability of the data presented in this report.

3.1. Precision

The data meets precision objectives for laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) relative percent differences (RPDs).

3.2. Accuracy

The data meets accuracy objectives as indicated by the laboratory quality control samples, which were within method/laboratory limits. Analytes were not detected in the trip blanks submitted with the groundwater samples. The LCS recoveries were within respective limits with the exception of chloroethyl vinyl ether which may not be recovered when an acid is used to preserve the sample.

There was one instance of a failed surrogate recovery. The effects on the data are assumed to be minimal as the recovery was within three percent of the acceptable range.

3.3. Representativeness

The data appear to be representative of site conditions and are generally consistent with historical groundwater monitoring results and expected impacts to groundwater.

3.4. Comparability

The laboratory results are presented in the same units as previous reports to allow comparison.

3.5. Completeness

The results appear to be valid and usable, and thus, the laboratory results have 100% completeness.

3.6. Sensitivity

The sensitivity of the analyses was adequate for the samples as the detection limits were less than the ADEC GCLs for compounds which were not detected with the exception of the following:

The PQL for RRO exceeded the applicable GCL in the analysis of BD-1 (Chevron), GEI-10, and MW-3 (Unocal).

4. Conclusions and Recommendations

The groundwater elevation data collected during the annual 2011 groundwater monitoring activities indicate groundwater flow directions and gradients are generally consistent with historical data. In addition, the analytical results of the annual 2011 groundwater sampling events are generally consistent with previous events.

ARCADIS will continue to sample the site on an annual basis. The 2012 annual groundwater sampling event will be conducted in July/August 2012. If you have any questions or would like to discuss this further, please contact Greg Montgomery at 206.726.4742.

5. References

ADEC Technical Memorandum, March, 2009. *Environmental Laboratory Data and Quality Assurance Requirements*. ADEC, Division of Spill Prevention and Response Contaminated Sites Program.

ARCADIS. *Bailer-Grab Groundwater Sampling*. March 10. 2009.

ADEC, May, 2011. *Draft Field Sampling Guidance*. Division of Spill Prevention and Response Contaminated Sites Program.

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Tables

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-1	06/24/02	440.41	17.80	--	422.61
	09/25/02		15.46	--	424.95
	04/29/03		17.95	--	422.46
	09/03/03		14.99	--	425.42
	03/10/04		18.06	--	422.35
	09/15/04		17.67	--	422.74
	04/19/05		18.55	--	421.86
	09/08/05		16.77	--	423.64
	04/20/06		18.58	--	421.83
	09/14/06		16.46	--	423.95
	02/06/07		NM	NA	NA
	03/14/07		18.57	--	421.84
	09/12/07	445.69	16.79	--	428.90
	10/15/07		NM	NA	NA
	01/29/08		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08		18.78	--	426.91
	05/23/08		NM	NA	NA
	06/25/08		NM	NA	NA
	07/14/08		NM	NA	NA
	08/06/08		NM	NA	NA
	09/16/08		15.92	--	429.77
	10/27/08		NM	NA	NA
	11/24/08		NM	NA	NA
	12/19/08		NM	NA	NA
	01/30/09		NM	NA	NA
	02/19/09		NM	NA	NA
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		17.60	--	428.09
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-1 Cont.	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/19/10		NM	NA	NA
	08/16/10		NM	NA	NA
	09/22/10	445.67	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**15.91**	**NA**	**429.76**
TH-2	06/24/02	438.68	Well not sampled - frozen shut		
	09/25/02		13.77	--	424.91
	04/29/03		16.24	present	422.44
	09/03/03		13.22	--	425.46
	03/10/04		16.31	0.02	422.39
	09/15/04		15.92	0.04	422.79
	04/19/05		16.87	0.10	421.89
	09/08/05		15.03	0.03	423.67
	04/20/06		16.79	0.11	421.98
	09/14/06		14.70	--	423.98
	02/06/07		Well not sampled - monument cover frozen shut		
	03/14/07		Well not sampled - monument cover frozen shut		
	04/30/07		16.25	--	422.43
	05/18/07		16.00	--	422.68
	09/13/07	443.88	14.99	--	428.89
	10/15/07		15.51	--	428.37
	01/29/08		16.58	0.03	427.32
	02/13/08		16.68	0.04	427.23
	04/04/08		16.92	--	426.96
	05/23/08		Absorbent sock frozen in well		
	06/25/08		15.57	--	428.31
	07/14/08		16.20	--	427.68
	08/06/08		12.86	--	431.02
	09/16/08		14.12	0.01	429.77
	10/27/08		15.38	--	428.50
	11/24/08		15.43	--	428.45

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-2 Cont.	12/19/08		15.91	0.06	428.02
	01/30/09		16.52	0.09	427.43
	02/19/09		16.73	0.09	427.22
	03/25/09		16.91	0.10	427.05
	04/20/09		17.05	0.14	426.94
	05/26/09		NM	NA	NA
	06/24/09		15.65	0.06	428.28
	07/27/09		15.85	0.11	428.12
	08/26/09		15.69	--	428.19
	09/17/09		14.02	--	429.86
	10/22/09		Obstructed		
	11/03/09		Obstructed		
	12/14/09		Obstructed		
	01/12/10		NM	NA	NA
	02/09/10		16.93	0.12	427.05
	03/18/10		17.19	0.15	426.81
	04/21/10		17.22	--	426.66
	05/26/10		16.21	--	
	06/15/10		15.53	--	
	07/19/10		15.30	--	428.58
	08/16/10		15.64	0.04	428.27
	09/22/10	443.75	15.55	--	428.20
	10/27/10		16.50	0.20	427.41
	11/15/10		16.22	0.02	427.55
	12/13/10		15.54	0.13	428.31
	01/04/11		16.72	0.02	427.05
	02/07/11		17.09	0.14	426.77
	03/22/11		17.06	0.13	426.79
	04/14/11		17.08	0.9	427.39
	09/21/11		**13.95**	**--**	**429.80**
TH-4	06/24/02	436.92	13.67	--	423.25
	09/25/02		12.20	--	424.72
	04/29/03		14.70	--	422.22
	09/03/03		11.67	--	425.25
	03/10/04		14.86	--	422.06
	Well decommissioned for railroad construction on 8/19/2004				

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-5	06/24/02	437.62	13.64	--	423.98
	09/25/02		12.79	present	424.83
	04/29/03		15.14	present	422.48
	09/03/03		12.17	present	425.45
	03/10/04		NM	0.03	NM
	09/15/04		14.84	--	422.78
	04/19/05		15.72	--	421.9
	09/08/05		13.95	0.02	423.69
	04/20/06		15.74	--	421.88
	09/14/06		13.63	--	423.99
	12/01/06		14.89	--	422.73
	12/22/06		15.12	--	422.5
	02/06/07		15.41	--	422.21
	03/14/07		15.68	--	421.94
	04/30/07		15.16	--	422.46
	05/18/07		14.95	--	422.67
	09/13/07	442.80	13.91	--	428.89
	10/15/07		14.41	--	428.39
	11/19/07		14.45	--	428.35
	01/29/08		16.49	--	426.31
	02/13/08		15.58	--	427.22
	04/04/08		15.90	--	426.90
	05/23/08		Absorbent sock frozen in well		
	06/25/08		Absorbent sock frozen in well		
	07/14/08		14.69	--	428.11
	08/06/08		11.82	--	430.98
	09/16/08		13.06	0.01	429.75
	10/27/08		14.28	--	428.52
	11/24/08		14.35	--	428.45
	12/19/08		14.78	--	428.02
	01/30/09		15.35	--	427.45
	02/19/09		15.57	--	427.23
	03/25/09		15.79	--	427.01
	04/20/09		Ice encountered at a depth of 1.65' BTOC		
	05/26/09		NM	NA	NA
	06/24/09		14.50	--	428.30
	07/27/09		14.71	--	428.09
	08/26/09		16.81	--	425.99
	09/17/09		13.94	--	428.86

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-5 Cont.	10/22/09		14.70	--	428.10
	11/03/09		14.91	--	427.89
	12/14/09		15.19		427.61
	01/12/10		NM	NA	NA
	02/09/10		15.75	--	427.05
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10			Well Frozen	
	06/15/10		14.50	--	428.30
	07/19/10		14.76	--	428.04
	08/16/10		14.81	--	427.99
	09/22/10	442.75	14.56	--	428.19
	10/27/10		15.32	--	427.43
	11/15/10		15.21	--	427.54
	12/13/10		Unable to open/Frozen		
	01/04/11		15.65	--	427.10
	02/07/11		Obstructed/Unable to access		
	03/22/11		15.98	--	426.77
	04/14/11		Obstructed/Unable to access		
	09/21/11		**12.98**	**--**	**429.77**
TH-7	06/25/02	440.18	16.31	--	423.87
	09/25/02		15.31	--	424.87
	04/29/03		17.79	--	422.39
	09/03/03		14.81	--	425.37
	03/10/04		17.92	--	422.26
	09/15/04		17.47	--	422.71
	04/19/05		18.37	--	421.81
	09/08/05		16.55	--	423.63
	04/20/06		18.35	--	421.83
	09/14/06		16.23	--	423.95
	02/06/07				
	03/14/07		18.33	--	421.85
	04/30/07		NM	NA	NA
	05/18/07		NM	NA	NA
	09/12/07	445.34	16.53	--	428.81
	10/05/07		NM	NA	NA
	01/29/08		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08		18.57	--	426.77
	05/23/08		NM	NA	NA
	06/25/08		NM	NA	NA
	07/14/08		NM	NA	NA

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-7 Cont.	08/06/08		NM	NA	NA
	09/16/08		15.66	--	429.68
	10/27/08		NM	NA	NA
	11/24/08		NM	NA	NA
	12/19/08		NM	NA	NA
	01/30/09		NM	NA	NA
	02/19/09		NM	NA	NA
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		17.38	--	427.96
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		16.93	0.12	428.51
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	07/19/10		17.45	--	427.89
	08/16/10		NM	NA	NA
	09/22/10	445.30	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**15.63**	**--**	**429.67**
TH-10	06/24/02	438.62	14.58	--	424.04
	09/25/02		13.62	--	425.00
	04/29/03		16.03	--	422.59
	09/03/03		13.13	--	425.49
	03/10/04		16.18	--	422.44
	09/15/04		15.80	--	422.82
	04/19/05		16.65	--	421.97
	09/08/05		14.88	--	423.74
	04/20/06		16.66	--	421.96
	09/13/06		14.53	--	424.09
	02/06/07		NM	NA	NA

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-10 Cont.	03/14/07		16.61	--	422.01
	04/30/07		NM	NA	NA
	05/18/07		NM	NA	NA
	09/12/07	443.81	14.84	--	428.97
	10/15/07		NM	NA	NA
	01/29/08		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08		16.82	--	426.99
	09/16/08		13.97	--	429.84
	07/27/09		15.61	--	428.20
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	07/19/10		16.65	--	427.16
	08/16/10		NM	NA	NA
	09/22/10	443.75	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**13.89**	**--**	**429.86**
TH-13	06/24/02	436.74	13.09	--	423.65
	09/25/02		12.02	--	424.72
	04/29/03		14.50	--	422.24
	09/03/03		11.45	--	425.29
	03/10/04		14.66	--	422.08
	09/23/04		NM	NA	N/A
	04/19/05		15.10	--	421.64
	09/08/05		13.37	--	423.37
	04/20/06	Well not sampled - buried under ice, monument filled			
	09/14/06		12.99	--	423.75
	02/06/07				
	03/14/07		15.09	--	421.65
	04/30/07		NM	NA	N/A
	05/18/07		NM	NA	N/A

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-13	09/13/07	441.94	13.30	--	428.64
Cont.	10/15/07		NM	NA	N/A
	01/29/08		NM	NA	N/A
	02/13/08		NM	NA	N/A
	04/04/08		15.30	--	426.64
	05/23/08		NM	NA	N/A
	06/25/08		NM	NA	N/A
	07/14/08		NM	NA	N/A
	08/06/08		NM	NA	N/A
	09/16/08		12.43	--	429.51
	10/27/08		NM	NA	N/A
	11/24/08		NM	NA	N/A
	12/19/08		NM	NA	N/A
	01/30/09		NM	NA	N/A
	02/19/09		NM	NA	N/A
	03/25/09		NM	NA	N/A
	04/20/09		NM	NA	N/A
	05/26/09		NM	NA	N/A
	06/24/09		NM	NA	N/A
	07/27/09	No current access to well - under permit stipulation			
	08/26/09	No current access to well - under permit stipulation			
	09/17/09	No current access to well - under permit stipulation			
	10/22/09	No current access to well - under permit stipulation			
	11/03/09	No current access to well - under permit stipulation			
	12/14/09	No current access to well - under permit stipulation			
	02/09/10	No current access to well - under permit stipulation			
	03/18/10	No current access to well - under permit stipulation			
	04/21/10	No current access to well - under permit stipulation			
	07/19/10	No current access to well - under permit stipulation			
	08/16/10	No current access to well - under permit stipulation			
	09/22/10	No current access to well - under permit stipulation			
	10/27/10	No current access to well - under permit stipulation			
	11/15/10	No current access to well - under permit stipulation			
	12/13/10	No current access to well - under permit stipulation			
	01/04/11	No current access to well - under permit stipulation			
	02/07/11	No current access to well - under permit stipulation			
	09/21/11	**No current access to well - under permit stipulation**			

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-17	06/24/02	435.38	11.60	--	423.78
	09/25/02		10.59	--	424.79
	04/29/03		11.20	--	424.18
	09/03/03		10.08	--	425.3
	03/10/04		13.20	--	422.18
	09/15/04		12.77	--	422.61
	04/19/05	Well not sampled - buried under ice, monument filled			
	09/08/05		11.87	--	423.51
	04/20/06	Well not sampled - buried under ice, monument filled			
	09/14/06		11.93	--	423.45
	02/06/07		NM	NA	NA
	03/14/07		13.65	--	421.73
	04/30/07		NM	NA	NA
	05/18/07		NM	NA	NA
	09/13/07	440.57	11.77	--	428.80
	10/15/07		NM	NA	NA
	01/29/08		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08	Well not sampled - monument underwater			
	05/23/08		NM	NA	NA
	06/25/08		NM	NA	NA
	07/14/08		NM	NA	NA
	08/06/08		NM	NA	NA
	09/16/08		10.96	--	429.61
	07/27/09	No current access to well - under permit stipulation			
	08/26/09	No current access to well - under permit stipulation			
	09/17/09	No current access to well - under permit stipulation			
	10/22/09	No current access to well - under permit stipulation			
	11/03/09	No current access to well - under permit stipulation			
	12/22/09	No current access to well - under permit stipulation			
	02/09/10	No current access to well - under permit stipulation			
	03/18/10	No current access to well - under permit stipulation			
	04/21/10	No current access to well - under permit stipulation			
	07/19/10	No current access to well - under permit stipulation			
	08/16/10	No current access to well - under permit stipulation			
	09/22/10	No current access to well - under permit stipulation			
	10/27/10	No current access to well - under permit stipulation			
	11/15/10	No current access to well - under permit stipulation			
	12/13/10	No current access to well - under permit stipulation			
	01/04/11	No current access to well - under permit stipulation			
	02/07/11	No current access to well - under permit stipulation			
	09/21/11	**No current access to well - under permit stipulation**			

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-18	06/24/02	435.77	Well not sampled - frozen shut		
	09/25/02		11.01	--	424.76
	04/29/03		Well not sampled - frozen shut		
	09/03/03		10.48	--	425.29
	03/10/04		13.61	--	422.16
	09/23/04		N/A	--	N/A
	04/19/05		Well not sampled - buried under ice, monument filled		
	09/08/05		12.28	--	423.49
	04/20/06		Well not sampled - buried under ice, monument filled		
	09/14/06		11.53	--	424.24
	02/06/07		NM	NA	NA
	03/15/07		14.05	--	421.72
	04/30/07		NM	NA	NA
	05/18/07		NM	NA	NA
	09/18/07	440.95	12.40	--	428.55
	10/15/07		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08		Well not sampled - monument underwater		
	05/23/08		NM	NA	NA
	06/25/08		NM	NA	NA
	07/14/08		NM	NA	NA
	08/06/08		NM	NA	NA
	09/16/08		11.37	--	429.58
	10/27/08		NM	NA	NA
	10/27/08		NM	NA	NA
	11/24/08		NM	NA	NA
	12/19/08		NM	NA	NA
	01/30/09		NM	NA	NA
	02/19/09		NM	NA	NA
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		No current access to well - under permit stipulation		
	08/26/09		No current access to well - under permit stipulation		
	09/17/09		No current access to well - under permit stipulation		
	10/22/09		No current access to well - under permit stipulation		
	11/03/09		No current access to well - under permit stipulation		
	12/22/09		No current access to well - under permit stipulation		
	02/09/10		No current access to well - under permit stipulation		
	03/18/10		No current access to well - under permit stipulation		
	04/21/10		No current access to well - under permit stipulation		

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
TH-18 Cont.	07/19/10	No current access to well - under permit stipulation			
	08/16/10	No current access to well - under permit stipulation			
	09/22/10	No current access to well - under permit stipulation			
	10/27/10	No current access to well - under permit stipulation			
	11/15/10	No current access to well - under permit stipulation			
	12/13/10	No current access to well - under permit stipulation			
	01/04/11	No current access to well - under permit stipulation			
	02/07/11	No current access to well - under permit stipulation			
	09/21/11	**No current access to well - under permit stipulation**			
MW-23	06/25/02	436.67	14.32	--	422.35
	09/25/02	436.67	11.80	--	422.29
	04/29/03	436.67	14.21	--	422.46
	09/03/03	436.67	11.30	--	425.37
	03/10/04	436.67	14.38	--	422.29
	09/15/04	436.67	13.97	--	422.70
	04/19/05	436.67	14.86	--	421.81
	09/08/05	436.67	13.06	--	423.61
	04/20/06	436.67	14.88	--	421.79
	09/13/06	436.67	12.73	--	423.94
	02/06/07	436.67	NM	NA	NA
	03/14/07	Well not sampled - under a large pile of lumber			
	04/30/07		NM	NA	NA
	05/18/07		NM	NA	NA
	09/12/07	441.84	13.03	--	428.81
	10/15/07		NM	NA	NA
	01/29/08		NM	NA	NA
	02/13/08		NM	NA	NA
	04/04/08		15.03	--	426.81
	05/23/08		NM	NA	NA
	06/25/08		NM	NA	NA
	07/14/08		NM	NA	NA
	08/06/08		NM	NA	NA
	09/16/08	PVC cap stuck/frozen			
	10/27/08		NM	NA	NA
	11/24/08		NM	NA	NA
	12/19/08		NM	NA	NA
	01/30/09		NM	NA	NA

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-23 Cont.	02/19/09		NM	NA	NA
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		NM	NA	NA
	08/26/09		17.51	--	424.33
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	07/19/10		17.3	--	424.54
	08/16/10		NM	NA	NA
	09/22/10	445.32	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**15.67**	**--**	**429.65**
MW-25	06/25/02	440.77	16.89	present	423.88
	09/25/02		15.94	present	424.83
	04/29/03		18.40	present	422.37
	09/03/03		15.40	present	425.37
	03/10/04		18.46	0.05	422.35
	09/15/04		18.03	0.15	422.86
	04/19/05		19.05	0.16	421.85
	09/08/05		17.23	0.13	423.64
	04/20/06		18.93	0.15	421.96
	09/13/06		17.16	0.13	423.71
	12/01/06		18.16	--	422.61
	12/22/06		18.34	--	422.43
	02/06/07		18.63	0.03	422.16
	03/14/07		18.88	0.01	421.90
	04/30/07		18.40	--	422.37
	05/18/07		18.15	--	422.62
	09/13/07	445.85	17.08	--	428.77

Table 1a
Groundwater Elevation Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-25 Cont.	10/15/07		17.60	--	428.25
	01/29/08		17.82	--	428.03
	02/13/08		15.58	--	430.27
	04/04/08		19.08	--	426.77
	05/23/08		17.82	--	428.03
	06/25/08		17.66	--	428.19
	07/14/08		17.64	--	428.21
	08/06/08		15.00	--	430.85
	09/16/08		14.22	--	431.63
	10/27/08		17.47	--	428.38
	11/24/08		17.56	--	428.29
	12/19/08		17.99	--	427.86
	01/30/09		18.56	sheen	427.29
	02/19/09		18.82	0.03	427.05
	03/25/09		19.01	0.02	426.86
	04/20/09		19.06	0.05	426.83
	06/24/09		17.70	0.02	428.17
	07/27/09		19.91	0.04	425.97
	08/26/09		17.79	0.01	428.07
	09/17/09		17.20	0.02	428.67
	10/22/09		17.93	0.04	427.95
	11/03/09		18.13	0.05	427.76
	12/14/09		18.42	0.02	427.45
	01/01/00				
	02/09/10		19.04	0.08	426.87
	04/21/10		19.56	--	426.29
	05/26/10		18.90	--	426.95
	06/15/10		17.68	--	428.17
	07/19/10		19.74	--	426.11
	08/16/10		17.9	--	427.95
	09/22/10	445.90	17.75	--	428.15
	10/27/10		18.51	0.01	427.40
	11/15/10		18.57	0.10	427.41
	12/13/10		Unable to open/Frozen		
	01/04/11		18.99	0.19	427.06
	02/07/11		19.34	0.19	426.71
	03/22/11		19.34	0.21	426.73
	04/14/11		19.38	0.22	426.70
	09/21/11		**16.15**	**Trace**	**429.75**

Notes:
ft BTOC = below top of casing
ft amsl = feet above mean sea level
LNAPL = Light non-aqueous phase liquid
Bold Type = Results of events covered in this report
[1]Where LNAPL was present, groundwater elevations were adjusted using an average specific gravity of
NA = Not Available
NM = Not Measured
-- = Not encountered

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
AR-81	06/25/02	436.99	13.28	--	423.71
	09/24/02		12.34	--	424.65
	04/29/03		14.82	--	422.17
	09/03/03		11.83	--	425.16
	03/10/04		Well Frozen		
	09/16/04		14.53	--	422.46
	04/19/05		15.43	--	421.56
	09/07/05		13.60	--	423.39
	04/20/06		15.46	--	421.53
	09/12/06		13.30	--	423.69
	03/15/07		15.40	--	421.59
	09/10/07	444.44	13.61	--	430.83
	04/04/08		15.62	--	428.82
	09/16/08		12.73	--	431.71
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		14.48	--	429.96
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		14.54	--	429.90
	08/16/10		NM	NA	NA
	09/22/10	442.16	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.64**	**--**	**429.52**
AR-82	06/25/02	437.47	13.64	--	423.83
	09/24/02		12.69	--	424.78
	04/29/03		15.13	--	422.34
	09/03/03		12.17	--	425.30
	Well Removed from Sampling Program in September 2003				

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
AR-85	06/25/02	437.23	13.45	--	423.78
	09/24/02		12.49	--	424.74
	04/29/03		15.00	--	422.23
	09/03/03		12.00	--	425.23
	03/10/04		Well Beneath Snow bank		
	09/16/04		14.68	--	422.55
	04/19/05		Well buried and surrounded by equipment		
	09/07/05		13.79	--	423.44
	04/20/06		15.61	--	421.62
	09/12/06		13.45	--	423.78
	03/14/07		Well buried under snow bank		
	09/10/07	444.65	13.74	--	430.91
	04/04/08		15.79	--	428.86
	09/16/08		12.89	--	431.76
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		14.58	--	430.07
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		15.54	--	429.11
	08/16/10		NM	NA	NA
	09/22/10	442.16	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.82**	**--**	**429.34**

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-1	10/23/03	436.36	12.28	--	424.08
	03/10/04		14.14	--	422.22
	09/16/04		13.72	--	422.64
	04/19/05		Well Beneath Snow bank		
	09/07/05		12.77	--	423.59
	04/20/06		Well buried and surrounded by equipment		
	09/12/06		12.47	--	423.89
	03/15/07		14.57	--	421.79
	09/10/07	441.46	12.76	--	428.70
	04/04/08		Well not sampled - monument underwater		
	09/16/08		11.91	--	429.55
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		Well buried by gravel regrade		
	08/01/09		NM	NA	NA
	09/17/09		Well buried by gravel regrade		
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/20		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		Unable to Locate		
	08/16/10		NM	NA	NA
	09/22/10	442.16	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**11.84**	**--**	**430.32**

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-2	10/23/03	437.06	13.35	--	423.71
	03/10/04		14.89	0.04	422.20
	09/16/04		14.51	0.03	422.57
	04/19/05		15.47	0.10	421.67
	09/07/05		13.58	0.01	423.49
	04/20/06		well not sampled - covered with snow and gravel		
	08/11/06		13.85	0.01	423.22
	09/12/06		13.26	--	423.80
	12/01/06		14.56	--	422.50
	12/22/06		14.80	--	422.26
	02/06/07		15.08	--	421.98
	03/16/07		15.31	--	421.75
	04/30/07		Well not sampled due to ice in well		
	05/18/07		Well not sampled due to ice in well		
	09/10/07	442.23	13.56	--	428.67
	10/15/07		14.04	--	428.19
	11/19/07		14.10	--	428.13
	01/29/08		15.18	--	427.05
	02/13/08		15.24	--	426.99
	04/04/08		Well not sampled - absorbent sock frozen		
	05/23/08		Well not sampled - absorbent sock frozen		
	06/25/08		14.12	--	428.11
	07/14/08		14.63	--	427.60
	08/06/08		11.38	--	430.85
	09/16/08		12.68	--	429.55
	10/27/08		13.97	--	428.26
	11/24/08		14.03	--	428.20
	12/19/08		14.45	--	427.78
	01/30/09		15.03	--	427.20
	02/19/09		15.27	0.02	426.98
	03/25/09		Well recessed in vault by gravel regrade		
	04/20/09		Well recessed in vault by gravel regrade		
	05/26/09		Well recessed in vault by gravel regrade		
	06/24/09		Well recessed in vault by gravel regrade		
	07/27/09		Well recessed and buried in vault by gravel regrade		
	08/26/09		Well abandoned in place		

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-3	10/23/03	437.49	13.60	--	423.89
	03/10/04		15.39	--	422.10
	09/16/04		14.99	--	422.50
	04/19/05		15.88	--	421.61
	09/07/05		14.10	--	423.39
	04/20/06		15.87	--	421.62
	09/12/06		13.78	--	423.71
	03/16/07		15.84	--	421.65
	09/10/07	442.67	14.07	--	428.60
	04/04/08		16.06	--	426.61
	09/16/08		13.18	--	429.49
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		Well buried by gravel regrade		
	08/01/09		Well buried by gravel regrade		
	09/17/09		Well buried by gravel regrade		
	10/22/09		Well buried by gravel regrade		
	11/03/09		Well buried by gravel regrade		
	12/14/09		Well buried by gravel regrade		
	01/12/10		Well buried by gravel regrade		
	02/09/10		Well buried by gravel regrade		
	0318/10		Well buried by gravel regrade		
	04/21/10		Well buried by gravel regrade		
	05/26/10		Well buried by gravel regrade		
	06/15/10		Well buried by gravel regrade		
	07/20/10		Well buried by gravel regrade		
	08/16/10		Well buried by gravel regrade		
	09/22/10		Well buried by gravel regrade		
	10/27/10		Well buried by gravel regrade		
	11/15/10		Well buried by gravel regrade		
	12/13/10		Well buried by gravel regrade		
	01/04/11		Well buried by gravel regrade		
	02/07/11		Well buried by gravel regrade		
	09/21/11		**13.21**	**--**	**429.46**

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-4	10/22/03	437.33	13.70	Present	423.63
	03/10/04		15.25	0.23	422.26
	09/16/04		14.85	0.03	422.50
	04/19/05		ice and water		
	09/07/05		13.92	--	423.41
	04/20/06		15.74	0.32	421.85
	08/11/06		14.19	--	423.14
	09/12/06		13.63	--	423.70
	12/01/06		14.93	--	422.40
	12/22/06		15.11	--	422.22
	02/06/07		15.43	--	421.90
	03/16/07		16.06	0.46	421.64
	04/30/07		15.15	--	422.18
	05/18/07		14.91	--	422.42
	09/10/07	442.52	13.91	Present	428.61
	10/15/07		14.45	--	428.07
	11/19/07		Well not gauged - inaccessible		
	01/29/08		Well not gauged - inaccessible		
	02/13/08		Well not gauged - unable to locate		
	04/04/08		15.81	0.01	426.72
	05/23/08		Well not sampled - absorbent sock frozen		
	06/25/08		14.47	--	428.05
	07/14/08		14.56	--	427.96
	08/06/08		11.73	--	430.79
	09/16/08		13.01	0.01	429.52
	10/27/08		14.34	--	428.18
	11/24/08		14.39	--	428.13
	12/19/08		14.82	--	427.70
	01/30/09		15.41	--	427.11
	02/19/09		15.61	--	426.91
	03/25/09		15.80	0.09	426.79
	04/20/09		16.36	0.62	426.66
	05/26/09		NM	NA	NA
	06/24/09		Well submerged under water		
	07/27/09		14.76	0.01	427.77
	08/26/09		14.60	--	427.92
	09/17/09		13.95	--	428.57
	10/22/09		14.72	--	427.80
	11/03/09		14.93	--	427.59

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-4	12/14/09		15.19	--	427.33
Cont.	01/12/10		NM	NA	NA
	02/09/10		16.11	0.41	426.74
	03/18/10		16.90	0.01	425.63
	04/21/10		16.89	0.90	426.35
	05/26/10		15.09	--	427.43
	06/15/10		14.38	--	428.14
	07/20/10		14.68	--	427.84
	08/16/10		14.80	--	427.72
	09/22/10	442.16	14.50	--	427.66
	10/27/10		15.40	--	426.76
	11/15/10		15.25	0.07	426.97
	12/13/10		Unable to locate well		
	01/04/11		Unable to locate well		
	02/07/11		Unable to locate well		
	03/22/11		Unable to locate		
	04/13/11		Unable to locate		
	09/21/11		**12.92**	**--**	**429.24**
MW-5	10/23/03	436.37	12.58	--	423.79
	03/10/04		14.34	--	422.03
	09/16/04		13.92	--	422.45
	04/19/05		well not sampled - covered with ice and ponded water		
	09/07/05		13.01	--	423.36
	04/20/06		well not sampled - covered with ice and ponded water		
	09/12/06		12.70	--	423.67
	03/15/07		15.78	--	420.59
	09/10/07	441.54	13.00	--	428.54
	04/04/08		Well not sampled - monument underwater		
	09/16/08		Well not sampled - unable to locate		
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		13.98	--	427.56
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-5 Cont.	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		13.78	--	427.76
	08/16/10		NM	NA	NA
	09/22/10	441.51	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.03**	**--**	**429.48**
MW-7	10/03/05	438.12	13.96	--	424.16
	04/20/06		16.84	--	421.28
	09/11/06		14.74	--	423.38
	03/16/07		16.78	--	421.34
	09/09/07	443.32	15.05	--	428.27
	04/04/08		17.08	--	426.24
	09/16/08		14.16	--	429.16
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		15.97	--	427.35
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		15.64	--	427.68
	08/16/10		NM	NA	NA
	09/22/10	443.20	NM	NA	NA
	10/27/10		NM	NA	NA

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-7 Cont.	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**13.99**	**--**	**427.68**
MW-8	10/03/05	436.51	12.32	--	424.19
	04/20/06		15.23	--	421.28
	09/11/06		13.12	--	423.39
	03/16/07		15.18	--	421.33
	09/09/07	441.69	13.41	--	428.28
	04/04/08		15.42	--	426.27
	09/16/08		12.49	--	429.20
	07/27/09		14.40	--	427.29
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		14.05	--	427.64
	08/16/10		NM	NA	NA
	09/22/10	441.61	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.36**	**--**	**429.25**

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-9	10/03/05	436.39	12.18	--	424.21
	04/20/06		15.06	--	421.33
	09/11/06		12.90	--	423.49
	03/16/07		14.99	--	421.40
	09/09/07	441.56	13.21	--	428.35
	04/04/08		15.28	--	426.28
	09/16/08		12.31	--	429.25
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		14.05	--	427.51
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/20/10		13.91	--	427.65
	08/16/10		NM	NA	NA
	09/22/10	441.45	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.19**	**--**	**429.26**
MW-10	10/03/05	437.32	12.98	--	424.34
	04/20/06		15.82	--	421.50
	09/11/06		13.66	--	423.66
	03/14/07		Well buried under snow bank		
	09/09/07	442.52	13.98	--	428.54
	04/04/08		16.00	--	426.52
	09/16/08		13.07	--	429.45

Table 1b
Groundwater Elevation Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl)	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [1]
MW-10	07/27/09		Well buried by recent construction		
Cont.	08/26/09		Well buried		
	09/17/09		Well buried		
	10/22/09		Well buried		
	11/03/09		Well buried		
	12/14/09		Well buried		
	01/12/10		Well buried		
	02/09/10		Well buried		
	03/18/10		Well buried		
	04/21/10		Well buried		
	05/26/10		Well buried		
	06/15/10		Well buried		
	07/20/10		Well buried		
	08/16/10		Well buried		
	09/22/10		Well buried		
	10/27/10		Well buried		
	11/15/10		Well buried		
	12/13/10		Well buried		
	01/04/11		Well buried		
	02/07/11		Well buried		
	09/21/11		**Well buried**		

Notes:

BTOC = below top of casing

ft amsl = feet above mean sea level

LNAPL = Light non-aqueous phase liquid

[1]Where LNAPL was present, groundwater elevation were adjusted using an average specific gravity of

Bold Type = Results of events covered in this report

NA = Not Available

NM = Not Measured

-- = Not encountered

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-1	10/07/02	443.88	15.20	--	428.68
	09/03/03		13.83	0.01	430.06
	04/23/04		17.41	--	426.47
	09/16/04		17.22	0.01	426.67
	04/20/05		18.13	--	425.75
	10/01/05		14.08	--	429.80
	04/18/06		Well not sampled		
	09/17/06		14.98	--	428.90
	03/16/07		17.06	0.05	426.86
	09/12/07	443.91	15.28	--	428.63
	04/04/08		Well not sampled - ice in well		
	09/16/08		14.96	0.67	429.49
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		16.55	0.43	427.70
	08/26/09		NM	NA	NA
	09/17/09		Unable to locate well		
	10/22/09		16.36	0.31	427.80
	11/03/09		Unable to locate well		
	12/14/09		Unable to locate well		
	01/12/10		NM	NA	NA
	02/29/10		Unable to locate well		
	03/18/10		Unable to locate well		
	04/21/10		Well frozen		
	05/26/10		16.80	0.41	427.11
	06/15/10		18.54	--	425.37
	07/21/10		16.29	0.27	427.84
	08/16/10		NM	NA	NA
	09/22/10	443.90	16.03	0.13	427.97
	10/27/10		17.10	0.46	427.17
	11/15/10		16.62	0.12	427.38
	12/13/10		17.11	0.34	427.06
	01/04/11		17.34	0.38	426.86
	02/07/11		17.32	--	426.58
	03/22/11		17.61	0.32	426.55
	04/13/11		Well not gauged - obstructed with ice at ~2 ft btoc		
	06/15/11		16.02	0.21	428.05
	09/20/11		**14.24**	**Trace**	**429.66**

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-2	10/07/02	444.93	15.25	--	429.68
	09/03/03		13.94	--	430.99
	04/23/04		17.44	--	427.49
	09/16/04		17.22	--	427.71
	04/20/05		18.05	--	426.88
	10/01/05		15.1	--	429.83
	04/18/06		Well not sampled		
	09/17/06		15.92	--	429.01
	03/16/07		Well not sampled-covered with equipment		
	09/12/07	444.84	16.21		428.63
	04/04/08		18.18	0.02	426.68
	09/16/08		15.32	--	429.52
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		17.07	--	427.77
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		16.95	--	427.89
	08/16/10		NM	NA	NA
	09/22/10	444.78	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**15.15**	**Trace**	**429.63**

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-3	10/07/02	444.29	14.7	--	429.59
	09/03/03		13.42	--	430.87
	04/23/04		16.78	--	427.51
	09/16/04		16.65	--	427.64
	04/20/05		Well not sampled		
	10/01/05		14.55	--	429.74
	04/18/06		17.45	--	426.84
	09/16/06		15.35	--	428.94
	03/17/07		17.43	--	426.86
	09/11/07	444.29	15.65	--	428.64
	04/04/08		17.63	--	426.66
	09/16/08		14.81	--	429.48
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		16.60	--	427.69
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		16.7	--	427.59
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		16.4	--	427.89
	08/16/10		NM	NA	NA
	09/22/10	444.24	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/20/11		**15.13**	**Trace**	**429.11**

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-4	10/07/02	444.56	15.68	0.67	429.42
	09/03/03		13.64	0.01	430.93
	04/23/04		17.2	--	427.36
	09/16/04		17.01	0.01	427.56
	04/20/05		17.8	--	426.76
	10/01/05		14.77	--	429.79
	04/18/06		17.72	--	426.84
	09/16/06		15.61	--	428.95
	11/30/06		16.88	0.02	427.70
	12/22/06		17.13	--	427.43
	02/06/07		17.39	--	427.17
	03/17/07		17.65	--	426.91
	04/30/07		17.07	--	427.49
	05/18/07		16.87	--	427.69
	09/11/07	444.56	15.98		428.58
	10/15/07		16.48	--	428.08
	11/19/07		16.18	--	428.38
	01/29/08		17.10	--	427.46
	02/13/08		17.33	--	427.23
	04/04/08		17.90	--	426.66
	05/23/08		Absorbent sock frozen in well		
	06/25/08		16.53	--	428.03
	07/14/08		16.30	0.02	428.28
	08/06/08		13.59	Sheen	430.97
	09/16/08		15.03	0.01	429.54
	10/27/08		16.39	0.03	428.19
	11/24/08		16.42	0.05	428.18
	12/19/08		16.92	0.14	427.75
	01/30/09		17.57	0.23	427.17
	02/19/09		17.79	0.26	426.98
	03/25/09		Unable to locate		
	04/20/09		18.08	0.33	426.74
	05/26/09		NM	NA	NA
	06/24/09		16.81	--	427.75
	07/27/09		16.80	--	427.76
	08/01/09		16.32	--	428.24
	09/17/09		15.68	--	428.88
	10/22/09		16.49	--	428.07
	11/03/09		16.85	--	427.71

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-4	12/14/09		17.20	--	427.36
Cont.	01/12/10		NM	NA	NA
	02/09/10		18.72	--	425.84
	03/18/10		18.10	0.16	426.33
	04/21/10		Well Frozen		
	05/26/10		Well Frozen		
	06/15/10		15.99	--	428.57
	07/21/10		16.40	--	428.16
	08/16/10		16.57	--	427.99
	09/22/10	444.49	16.25	--	428.24
	10/27/10		17.5	--	426.99
	11/15/10		16.88	--	427.61
	12/13/10		17.15	--	427.34
	01/04/11		17.35	--	427.14
	02/07/11		17.72	--	426.77
	03/22/11		Well obstructed by parked bus		
	04/13/11		Well obstructed by parked bus		
	06/15/11		16.43	--	428.06
	09/20/11		**14.82**	**Trace**	**429.67**
GEI-5	10/07/02	441.93	12.35	--	429.58
	09/03/03		11.11	--	430.82
	04/23/04		Well not sampled		
	09/16/04		14.26	--	427.67
	04/20/05		15.24	--	426.69
	10/01/05		12.23	--	429.70
	04/18/06		Well not sampled		
	09/16/06		12.98	--	428.95
	03/16/07		Well not sampled due to damage		
	09/11/07		Well not sampled due to damage		
	04/04/08		Well not sampled - well underwater		
	09/16/08		12.49	0.01	429.45
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		14.20	--	427.73
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-5 Cont.	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		13.73	--	428.2
	08/16/10		NM	NA	NA
	09/22/10	442.15	NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.42**	**--**	**429.51**
GEI-6	10/07/02	441.83	12.2	--	429.63
	09/03/03		10.94	--	430.89
	04/23/04		Well not sampled		
	09/16/04		14.15	--	427.68
	04/20/05		Well not sampled		
	10/01/05		12.09	--	429.74
	04/18/06		Well not sampled		
	09/16/06		12.82	--	429.01
	03/17/07		14.87	--	426.96
	09/11/07	441.97	13.11	--	428.86
	04/04/08		Well not sampled - well underwater		
	09/16/08		Unable to locate well		
	03/25/09		NM	NA	NA
	04/20/09		NM	NA	NA
	05/26/09		NM	NA	NA
	06/24/09		NM	NA	NA
	07/27/09		14.02	0.02	427.97
	08/01/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	01/12/10		NM	NA	NA
	02/09/10		NM	NA	NA
	03/18/10		NM	NA	NA

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-6	04/21/10		NM	NA	NA
Cont.	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10	Not Sampled Well Underwater			
	08/16/10		NM	NA	NA
	09/22/10		NM	NA	NA
	10/27/10		NM	NA	NA
	11/15/10		NM	NA	NA
	12/13/10		NM	NA	NA
	01/04/11		NM	NA	NA
	02/07/11		NM	NA	NA
	09/21/11		**12.10**	**--**	**429.87**
GEI-7	09/03/03	444.26	13.24	0.01	431.03
	04/23/04		17.07	0.41	427.52
	09/16/04		16.55	0.09	427.78
	04/20/05		18.11	0.93	426.89
	10/01/05		14.44	0.01	429.83
	04/18/06	Well not sampled			
	09/17/06		15.27	--	428.99
	02/06/07	Well not sampled - Unable to locate			
	03/16/07	Well not sampled-covered with forklifts			
	04/30/07		16.69	--	427.57
	05/18/07		16.48	--	427.78
	09/12/07	444.22	15.56	--	428.66
	10/15/07		16.14		428.08
	11/19/07		16.01	--	428.21
	01/29/08		17.19	0.09	427.10
	02/13/08		17.37	0.21	427.02
	04/04/08	Well not sampled - ice at 4.4 feet btoc			
	05/23/08		15.83	--	428.39
	06/25/08		16.10	--	428.12
	07/14/08		16.18	--	428.04
	08/06/08		13.14	--	431.08
	09/16/08		14.68	--	429.54
	10/27/08		16.03	--	428.19
	11/24/08		16.04	--	428.18
	12/19/08		16.45	--	427.77
	01/30/09		17.04	0.02	427.20
	02/19/09		17.25	0.03	426.99

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-7	03/25/09		Unable to locate		
Cont.	04/20/09		17.53	0.08	426.75
	06/24/09		16.15	--	428.07
	07/27/09		16.44	--	427.78
	08/26/09		16.20	--	428.02
	09/17/09		15.56	--	428.66
	10/22/09		16.41	--	427.81
	11/03/09		16.57	--	427.65
	12/14/09		16.85	--	427.37
	02/09/10		18.11	0.85	426.79
	04/21/10		Well frozen		
	05/26/10		16.76	--	427.46
	06/15/10		15.84	--	428.38
	07/21/10		13.3	--	430.92
	08/16/10		16.46	--	427.76
	09/22/10		16.15	--	428.07
	10/27/10		17.4	0.47	427.20
	11/15/10		16.91	0.2	427.47
	12/13/10		17.56	0.62	427.16
	01/04/11		17.91	0.8	426.95
	02/07/11		18.42	0.97	426.58
	03/22/11		18.38	1.0	426.64
	04/13/11		18.34	0.92	426.62
	06/15/11		16.26	0.21	428.13
	09/20/11		**14.47**	**Trace**	**429.75**
GEI-8	09/03/03	444.55	13.64	--	430.91
	04/23/04		17.15	--	427.4
	09/16/04		16.95	--	427.6
	04/20/05		17.77	0.14	426.89
	10/01/05		14.73	--	429.82
	04/18/06		17.71	--	426.84
	09/16/06		15.92	--	428.63
	11/30/06		16.85	0.01	427.71
	12/22/06		17.07	--	427.48
	02/06/07		17.35	--	427.2
	03/16/07		17.60	--	426.95
	04/30/07		Well not sampled due to ice		
	05/08/07		Well not sampled due to ice		
	09/11/07	444.54	15.87	--	428.67
	10/15/07		16.47	--	428.07
	01/29/08		17.48	0.04	427.09
	02/13/08		17.57	0.04	427.00
	04/04/08		Well not sampled - inaccessible		
	05/23/08		Well not sampled - inaccessible		
	06/25/08		Well not sampled - inaccessible		
	07/14/08		Well not sampled - inaccessible		
	08/06/08		Well not sampled - inaccessible		
	09/16/08		Well not sampled - inaccessible		

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-8	10/27/08		16.37	--	428.17
Cont.	11/24/08		16.35	--	428.19
	12/19/08		16.77	--	427.77
	01/30/09		17.42	0.10	427.20
	02/19/09		17.67	0.16	427.00
	03/25/09		Unable to locate		
	04/20/09		Flooded, ice at 1.41' BTOC		
	06/24/09		16.49	--	428.05
	07/27/09		16.71	--	427.83
	08/26/09		16.50	--	428.04
	09/17/09		15.89	--	428.65
	10/22/09		16.71	--	427.83
	11/03/09		16.84	--	427.7
	12/14/09		17.18	--	427.36
	02/09/10		17.74	--	426.8
	04/21/10		Well Frozen		
	05/26/10		Well Frozen		
	06/15/10		21.1	--	423.44
	07/21/10		16.6	--	427.94
	08/16/10		16.79	0.01	427.76
	09/22/10	444.51	16.46	--	428.05
	10/27/10		17.30	--	427.21
	11/15/10		17.10	--	427.41
	12/13/10		17.38	--	427.13
	01/04/11		17.62	0.04	426.92
	02/07/11		17.89	0.36	426.91
	03/22/11		18.35	0.57	426.62
	04/13/11		Well was not gauged - submerged in large puddle		
	06/15/11		16.42	--	428.12
	09/20/11		**14.81**	**Trace**	**429.73**
GEI-9	09/03/03	444.32	13.43	0.01	430.90
	04/23/04		16.87	--	427.45
	09/16/04		16.67	--	427.65
	04/20/05		17.47	0.01	426.86
	10/01/05		14.53	--	429.79
	04/18/06		17.39	--	426.93
	09/16/06		15.37	--	428.95
	03/17/07		17.41	--	426.91
	09/11/07	444.32	15.63	--	428.69
	04/04/08		17.62	--	426.70
	09/16/08		14.78	--	429.54
	07/27/09		16.61	--	427.71
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-9	04/21/10		NM	NA	NA
Cont.	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		Unable to Locate		
	08/16/10		NM	NA	NA
	09/22/10	444.27	NM	NA	NA
	09/20/11		**14.59**	**Trace**	**429.68**
GEI-10	10/01/05	443.48	13.74	--	429.74
	04/1806		16.73	--	426.75
	09/16/06		14.29	--	429.19
	03/16/07		Well not sampled-unable to locate		
	09/09/07	443.31	14.58	--	428.73
	04/04/08		16.51	--	426.80
	09/16/08		13.70	--	429.61
	07/27/09		15.45	--	427.86
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09			NM	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		15.3	--	428.01
	08/16/10		NM	NA	NA
	09/20/11		**13.43**	**--**	**429.88**
GEI-11	10/01/05	443.81	14.10	--	429.71
	04/18/06		17.58	--	426.23
	09/17/06		14.91	--	428.90
	11/30/06		16.30	0.14	427.62
	12/24/06		16.44	--	427.37
	02/06/07		16.69	--	427.12
	03/16/07		16.96	0.02	426.87
	04/30/07		16.73	0.47	427.46
	05/18/07		16.30	0.20	427.67
	09/12/07	443.78	15.22	--	428.56
	10/15/07		15.81	--	427.97
	11/19/07		15.71	--	428.07
	01/29/08		16.83	0.03	426.97

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-11 Cont.	02/13/08		16.91	0.03	426.89
	04/04/08		17.55	0.44	426.58
	05/23/08		15.48	--	428.30
	06/25/08		15.83	0.05	427.99
	07/14/08		16.19	--	427.59
	08/06/08		12.78	Sheen	431.00
	09/16/08		14.31	--	429.47
	10/27/08		15.69	--	428.09
	11/24/08		15.69	--	428.09
	12/19/08		16.15	0.05	427.67
	01/30/09		16.83	0.19	427.10
	02/19/09		17.04	0.20	426.90
	03/25/09		Unable to locate		
	04/20/09		17.32	0.32	426.72
	06/24/09		15.76	--	428.02
	07/27/09	No current access to well - under permit stipulation			
	08/26/09	No current access to well - under permit stipulation			
	09/17/09	No current access to well - under permit stipulation			
	10/22/09	No current access to well - under permit stipulation			
	11/03/09	No current access to well - under permit stipulation			
	12/14/09	No current access to well - under permit stipulation			
	02/09/10	No current access to well - under permit stipulation			
	04/21/10	No current access to well - under permit stipulation			
	05/26/10	No current access to well - under permit stipulation			
	06/15/10	No current access to well - under permit stipulation			
	07/21/10	No current access to well - under permit stipulation			
	08/16/10	No current access to well - under permit stipulation			
	09/21/11		**14.1**	**--**	**429.68**
GEI-12	10/01/05	443.55	13.72	--	429.83
	04/1806		16.71	--	426.84
	09/16/06		14.61	--	428.94
	03/16/07		16.65	0.04	426.93
	09/09/07	443.52	14.89	--	428.63
	04/04/08		16.98	0.13	426.64
	09/16/08		14.00	--	429.52
	07/27/09		15.80	--	427.72
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	11/03/09		NM	NA	NA

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
GEI-12 Cont.	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		15.61	--	427.91
	08/16/10		NM	NA	NA
	09/20/11		**13.8**	**Trace**	**429.72**
MW-2	10/01/05	444.07	14.43	--	429.64
	04/1806		17.47	--	426.60
	09/15/06		15.31	--	428.76
	03/17/07		17.36	--	426.71
	09/09/07	444.03	15.60	--	428.43
	04/04/08		17.60	--	426.43
	09/16/08		14.71	--	429.32
	07/27/09		16.78	--	427.25
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		16.45	--	427.58
	08/16/10		NM	NA	NA
	09/21/11		**14.51**	**--**	**429.52**
MW-3	07/21/10	NM	16.2	NA	NA
	08/16/10	NM	NM	NA	NA
	09/21/11	**NM**	**14.87**	**--**	**NA**
MW-4	10/01/05	Well not sampled			
	04/1806		20.63	--	--
	09/15/06		18.48	--	--
	03/16/07		20.60	--	--
	09/09/07	447.09	18.82	--	428.27
	04/04/08		20.82	--	426.27
	09/16/08		17.90	--	429.19
	07/27/09		19.78	--	427.31

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
MW-4	08/26/09		NM	NA	NA
Cont.	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		19.39	--	427.70
	08/16/10		NM	NA	NA
	09/21/11		**17.7**	**--**	**429.39**
MW-5	10/01/05	444.05	14.3	--	429.75
	04/1806		17.33	--	426.72
	09/15/06		15.11	--	428.94
	03/16/07		17.31	--	426.74
	09/12/07	444.01	15.42	--	428.59
	04/04/08		17.44	--	426.57
	09/16/08		14.56	--	429.45
	07/27/09		16.44	--	427.57
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		16.05	--	427.96
	08/16/10		NM	NA	NA
	09/21/11		**14.43**	**--**	**429.58**
MW-6	10/01/05	Well not sampled			
	04/1806		20.26	--	--
	09/15/06		18.11	--	--
	03/16/07		20.23	--	--
	09/11/07	446.92	18.53	--	428.39
	04/04/08		20.48	--	426.44
	09/16/08		17.54	--	429.38

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
MW-6	07/27/09		19.40	--	427.52
Cont.	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		NM	NA	NA
	08/16/10		NM	NA	NA
	09/21/11		**17.46**	**--**	**429.46**
MW-13	09/09/07	443.29	14.76	--	428.53
	04/04/08		Well not sampled - ice at 4.5 feet btoc		
	09/16/08		13.87	--	429.42
	07/27/09		No current access to well - under permit stipulation		
	08/26/09		No current access to well - under permit stipulation		
	09/17/09		No current access to well - under permit stipulation		
	10/22/09		No current access to well - under permit stipulation		
	11/03/09		No current access to well - under permit stipulation		
	12/14/09		No current access to well - under permit stipulation		
	02/09/10		No current access to well - under permit stipulation		
	04/21/10		No current access to well - under permit stipulation		
	05/26/10		No current access to well - under permit stipulation		
	06/15/10		NM	NA	NA
	07/21/10		NM	NA	NA
	08/16/10		NM	NA	NA
	09/21/11		**13.64**	**--**	**429.65**
MW-14	09/22/11	443.42	15.57	--	427.85
	10/27/10		16.41	--	427.01
	11/15/11		16.26	--	427.16
	12/13/10		16.51	--	426.91
	01/04/11		16.72	--	426.7
	02/07/11		17.13	--	426.29
	03/22/11		17.06	--	426.36
	04/13/11		17.1	--	426.32
	09/21/11		**13.98**	--	**429.44**
MW-15	09/22/11	443.22	15.42	--	427.8
	10/27/10		17.5	--	425.72
	11/15/11		16.1	--	427.12
	12/13/10		16.36	--	426.86
	01/04/11		16.56	0.01	426.67
	02/07/11		16.96	--	426.26
	03/22/11		16.95	0.06	426.32
	04/13/11		16.99	0.06	426.28
	06/15/11		15.38	--	427.84
	09/21/11		**13.84**	--	**429.38**
K-5	10/01/05	443.55	13.82	--	429.73
	04/1806		Well not sampled		
	09/17/06		15.14	--	428.41
	03/16/07		Well not sampled-unable to open Robco cover		
	09/09/07	443.75	15.02	--	428.73
	04/04/08		17.00	--	426.75
	09/16/08		14.15	--	429.60
	07/27/09		15.94	--	427.81
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA

Table 1c
Groundwater Elevation Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	Well Elevation (ft amsl) [1]	Depth to Water (ft BTOC)	LNAPL Thickness (feet)	Groundwater Elevation (ft amsl) [2]
K-5	10/22/09		NM	NA	NA
Cont.	11/03/09		NM	NA	NA
	12/14/09	No current access to well - under permit stipulation			
	02/09/10	No current access to well - under permit stipulation			
	04/21/10	No current access to well - under permit stipulation			
	05/26/10	No current access to well - under permit stipulation			
	06/15/10	No current access to well - under permit stipulation			
	07/21/10		15.6	--	428.15
	08/16/10		NM	NA	NA
	09/21/11		**13.97**	**--**	**429.78**
K-7	10/01/05	442.49	12.72	--	429.77
	04/1806		16.92	--	425.57
	09/16/06		13.49	--	429.00
	03/16/07	Well not sampled-unable to locate			
	09/09/07	442.55	13.78	--	428.77
	04/04/08	Well not sampled - ice in well			
	09/16/08		12.91	--	429.64
	07/27/09		14.63	--	427.92
	08/26/09		NM	NA	NA
	09/17/09		NM	NA	NA
	10/22/09		NM	NA	NA
	11/03/09		NM	NA	NA
	12/14/09		NM	NA	NA
	02/09/10		NM	NA	NA
	04/21/10		NM	NA	NA
	05/26/10		NM	NA	NA
	06/15/10		NM	NA	NA
	07/21/10		14.4	--	428.15
	08/16/10		NM	NA	NA
	09/20/11		**12.72**	**--**	**429.83**

Notes:
ft BTOC = below top of casing
ft amsl = feet above mean sea level
LNAPL = Light non-aqueous phase liquid
Bold Type = Results of events covered in this report
btoc = below top of casing
NA = Not Available
NM = Not Measured
-- = Not encountered
[1] Elevations are relative to an on-site Temporary Benchmark, based on vertical control point Fire
[2] Where LNAPL was present, groundwater elevation were adjusted using an average specific

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**
TH-1	06/24/02	3,160	103,000	--	1.61	<2.50	56.1	317
	09/25/02	1,510	7,400	--	2.73	3.52	48.4	325
	04/29/03	1,500	33,000	2,900	<2.0	<0.5	27	120
	09/03/03	1,500	47,000	7,700	<2.0	<0.5	27	160
	03/10/04	2,300	31,000	3,800	<2.0	<0.5	30	160
	09/15/04	1,700	62,000	7,600	1.7	<0.5	21	120
	04/19/05	1,200	64,000	<3,900	<2.0	<0.5	15	68
	09/08/05	1,100	25,000	1,100	1.3	<0.5	16	95
	04/20/06	740	12,000	710	0.7	<0.5	11	45
	09/14/06	860	13,000	<490	1.1	<0.5	12	69
	03/14/07	600	4,400	<210	<2	<1	8	30
	03/14/07[D]	600	5,100	<200	<2	<1	8	30
	09/12/07	600	8,600	<200	1	<1	7	30
	09/12/07[D]	500	7,800	<200	1	<1	6	20
	04/08/08	455	5,570	<750	0.813	<0.500	7.30	26.2
	09/17/08	804	--[1]	--[1]	1.26	<0.500	10.3	39.6
	07/27/09	877	3,510	389	0.540	<1.00	11.5	42.8
	07/20/10	1,300	88,800	<6,800	1.0	1	9.1	34
Duplicate	07/20/10	1,400	36,000	<3,400	6.8	1	9.8	39
	[3]09/22/11	**390**	**--**	**--**	**0.8**	**<0.5**	**5**	**<20**
Duplicate	**09/22/11**	**340**	**18,000**	**<3,300**	**0.9**	**<0.5**	**4.8**	**<20**
TH-2	06/24/02	Well not sampled-frozen shut						
	09/25/02	38,900	15,300	--	1,540	5,220	1,030	6,600
	04/29/03	LNAPL present - well not sampled						
	09/03/03	37,000	190,000	150,000	730	3,800	860	6,600
	03/10/04	LNAPL present - 0.02' - well not sampled						
	09/15/04	LNAPL present - 0.04' - well not sampled						
	04/19/05	LNAPL present - 0.1' - well not sampled						
	09/08/05	LNAPL present - 0.03' - well not sampled						
	04/20/06	LNAPL present - 0.11' - well not sampled						
	09/14/06	25,000	38,000	44,000	560	630	1,000	5,800
	03/14/07	Well not sampled-buried under ice						
	09/13/07	30,000	98,000	62,000	600	2,300	800	5,600
	04/08/08	47,100	58,700	30,200	652	1,650	1,280	8,580
	09/17/08	LNAPL present - 0.01' - well not sampled						
	07/27/09	LNAPL present - 0.11' - well not sampled						
	07/19/10	28,000	74,000	57,000	560	2,700	790	6,400
	09/22/11	**20,000**	**7,300**	**6,000**	**270**	**1,500**	**850**	**4,900**
TH-4	06/24/02	178	3,490	--	5.49	1.21	1.45	19.1
	09/25/02	8,020	9,350	--	903	542	90.7	965
	04/29/03	11,000	41,000	3,500	970	1,200	73	1,200
	09/03/03	7,100	120,000	8,100	420	680	35	880
	03/10/04	14,000	150,000	10,000	1,600	940	82	1,300
		Well decommissioned for railroad construction on 8/19/2004						

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**
TH-5	06/24/02	1,100	34,500	--	6.05	1.45	18.3	98.1
	09/25/02	LNAPL present - well not sampled						
	04/29/03	LNAPL present - well not sampled						
	09/03/03	LNAPL present - well not sampled						
	03/10/04	LNAPL present - 0.03' - well not sampled						
	09/15/04	1,300	77,000	24,000	6.6	1.5	24	140
	04/19/05	1,100	180,000	<10,000	3.2	1.1	19	100
	09/08/05	LNAPL present - 0.02' - well not sampled						
	04/20/06	1,300	250,000	100,000	2.5	0.9	17	130
	09/14/06	700	7,700	<500	2.0	0.6	9.0	56
	03/14/07	900	70,000	38,000	<10	<1	10	60
	09/13/07	900	13,000	6,100	4	<1	7	40
	04/08/08	Well not sampled - ice in well						
	09/17/08	LNAPL present - 0.01' - well not sampled						
	07/31/09	515	2,560	534	0.690	<1.00	3.54	20.2
	07/31/09[D]	551	3,940	640	0.560	<1.00	3.67	20.6
	07/19/10	1,200	16,000	<1,300	1.3	<0.5	3.6	30
	09/22/11	**690**	**1,100**	**140**	**1.6**	**0.6**	**5.5**	**59**
TH-7	06/25/02	163	5,160	--	1.35	<0.500	1.00	4.67
	09/25/02	153	4,630	--	0.881	<0.500	<0.500	1.48
	04/29/03	260	12,000	2,800	1.0	<0.5	0.9	2.3
	09/03/03	140	8,000	3,300	1.6	<0.5	3.6	3.5
	03/10/04	250	8,900	2,300	<2.0	<0.5	0.7	<1.5
	09/15/04	210	14,000	2,800	0.6	<0.5	<0.5	<1.5
	04/19/05	210	15,000	560	0.7	<0.5	<0.5	<1.5
	09/08/05	120	1,800	1,300	<0.5	<0.5	<0.5	1.6
	04/20/06	91	3,700	2,300	<0.5	<0.5	<0.5	<1.5
	09/14/06	100	790	430	0.6	<0.5	<0.5	<1.5
	03/14/07	50	1,200	480	<1	<1	<1	<2
	09/12/07	100	1,100	540	<1	<1	<1	<2
	04/08/08	82.2	932	<750	<0.500	<0.500	<0.500	1.50
	09/17/08	124	--[1]	--[1]	0.426	<0.500	<0.500	2.55
	07/27/09	66.2	570	<391	<0.500	<1.00	<1.00	<3.00
	07/19/10	17	2,100	520	<.500	<0.5	<0.5	<1.5
	09/22/11	**41**	**500**	**300**	**<0.5**	**<0.5**	**<0.5**	**<1.5**

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**
TH-10	06/24/02	<50.0	236	--	<0.200	<0.500	<0.500	<1.00
	09/25/02	<80.0	144	--	<0.500	<0.500	<0.500	<1.00
	04/29/03	<10	320	1,800	<0.5	<0.5	<0.5	<1.5
	04/29/03[D]	<10	320	1,800	<0.5	<0.5	<0.5	<1.5
	09/03/03	<10	230	1,600	<0.5	<0.5	<0.5	<1.5
	09/3/03[D]	<10	300	2,000	<0.5	<0.5	<0.5	<1.5
	03/10/04	<10	300	1,600	<0.5	<0.5	<0.5	<1.5
	03/10/04[D]	<10	290	1,700	<0.5	<0.5	<0.5	<1.5
	09/15/04	10	210	990	<0.5	<0.5	<0.5	<1.5
	09/15/04[D]	<10	220	1,100	<0.5	<0.5	<0.5	<1.5
	04/19/05	<10	530	2,600	<0.5	<0.5	<0.5	<1.5
	04/19/05[D]	<10	490	2,500	<0.5	<0.5	<0.5	<1.5
	09/08/05	<10	230	1,500	<0.5	<0.5	<0.5	<1.5
	9/8/2005[D]	<10	220	1,400	<0.5	<0.5	<0.5	<1.5
	04/20/06	<10	1,100	5,500	<0.5	<0.5	<0.5	<1.5
	04/20/06[D]	<10	620	2,900	<0.5	<0.5	<0.5	<1.5
	09/13/06	<10	110	600	<0.5	<0.5	<0.5	<1.5
	09/13/06[D]	<10	140	790	<0.5	<0.5	<0.5	<1.5
	03/14/07	<10	350	1,200	<1	<1	<1	<2
	09/12/07	<10	200	1,000	<1	<1	<1	<2
	04/08/08	<50.0	214	<743	<0.500	<0.500	<0.500	<1.00
	04/08/08[D]	<50.0	182	<735	<0.500	<0.500	<0.500	<1.00
	09/17/08	<50.0	--[1]	--[1]	<0.200	<0.500	<0.500	<1.00
	07/30/09	<50.0	<385[2]	<385[2]	<0.500	<1.00	<1.00	<3.00
	07/19/10	<10	61	170	<0.5	<0.5	<0.5	<1.5
	09/22/11	**<10**	**56**	**110**	**<0.5**	**<0.5**	**<0.5**	**<1.5**
TH-13	06/24/02	264	9,400	--	2.92	0.955	2.82	22.2
	09/25/02	87.0	2,180	--	2.28	<0.500	0.953	5.23
	04/29/03	1,100	16,000	2,100	84	1.3	5.8	30
	09/03/03	360	8,800	1,400	8.3	<0.5	2	14
	03/10/04	1,600	30,000	2,200	120	10	16	75
	09/23/04	3,200	21,000	<400	200	36	43	190
	04/19/05	1,700	110,000	<3,900	14	34	25	210
	09/08/05	1,700	5,100	2,400	83	100	42	170
	04/20/06	Well not sampled - buried under ice, monument filled						
	09/14/06	440	2,500	110	59	0.6	4.4	12
	03/15/07	300	2,000	480	60	<1	1	2
	09/13/07	500	3,000	<200	100	<1	4	7
	04/10/08	548	5,360	<735	89.0	1.26	4.56	22.3
	09/17/08	1,350	9,590	998	184	8.68	32.1	92.9
	07/27/09	No current access to well - under permit stipulation						
	07/19/10	No current access to well - under permit stipulation						
	09/22/11	**No current access to well - under permit stipulation**						

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**
TH-17	06/24/02	1,820	10,500	--	175	<2.50	104	234
	09/25/02	2,860	8,900	--	198	6.32	105	269
	04/29/03	5,000	23,000	6,900	57	9.5	270	860
	09/03/03	1,800	36,000	25,000	170	2.5	120	220
	03/10/04	1,200	44,000	10,000	17	3.5	79	150
	09/15/04	780	81,000	24,000	5.2	3.4	44	97
	04/19/05	Well not sampled - buried under ice, monument filled						
	09/08/05	990	8,900	4,100	13	2.0	49	140
	04/20/06	Well not sampled - buried under ice, monument filled						
	09/14/06	1,400	3,400	1,500	16	2.1	70	150
	03/15/07	1,500	4,100	580	4	2	50	100
	09/13/07	1,300	9,100	2,500	10	2	70	
	04/04/08	Well not sampled - monument underwater						
	09/17/08	835	11,300	3,070	22.6	<2.50	65.6	83.2
	09/17/08[D]	966	10,600	2,650	22.9	<5.00	70.2	94.8
	07/27/09	No current access to well - under permit stipulation						
	07/19/10	No current access to well - under permit stipulation						
	09/22/11	**No current access to well - under permit stipulation**						
TH-18	06/24/02	Well not sampled - frozen shut						
	09/25/02	1,930	4,730	--	277	<5.00	70.5	139
	04/29/03	Well Frozen - well not sampled						
	09/03/03	2,600	3,300	860	290	5.4	120	210
	03/10/04	2,600	2,700	1,400	87	3.8	140	240
	09/23/04	1,100	1,300	470	17	0.7	64	72
	04/19/05	Well not sampled - buried under ice, monument filled						
	09/08/05	1,300	1,400	510	56	2	71	140
	04/20/06	Well not sampled - buried under ice, monument filled						
	09/14/06	2,200	1,300	<98	86	2.4	130	230
	03/15/07	2,100	1,800	130	40	1	100	100
	09/13/07	1,200	2,000	390	60	2	100	100
	04/04/08	Well not sampled - monument underwater						
	09/17/08	1,030	2,460	<743	46.7	1.14	62.7	71.7
	07/27/09	No current access to well - under permit stipulation						
	07/19/10	No current access to well - under permit stipulation						
	09/22/11	**No current access to well - under permit stipulation**						
MW-23	06/25/02	<50.0	1,370		0.230	<0.500	<0.500	<1.00
	09/25/02	<80.0	2,800		<0.500	<0.500	0.522	1.05
	04/29/03	48	2,800	800	0.6	<0.5	<0.5	<1.5
	09/03/03	77	1,100	660	<0.5	<0.5	3.2	2.3
	03/10/04	26	22,000	5,800	<0.5	<0.5	<0.5	<1.5
	09/15/04	31	9,300	2,600	<0.5	<0.5	<0.5	<1.5
	04/19/05	34	9,900	580	<0.5	<0.5	<0.5	<1.5
	09/08/05	31	1,000	580	<0.5	<0.5	<0.5	<1.5
	04/20/06	Well not sampled - monument flooded						
	09/13/06	38	1,000	440	<0.5	<0.5	<0.5	<1.5
	03/04/07	Well not sampled-under equipment						
	09/12/07	30	1,400	440	<1	<1	<1	<2
	04/08/08	<50.0	1,540	<758	<0.500	<0.500	<0.500	<1.00
	09/17/08	PVC cap was stuck/frozen						
	08/01/09	<50.0	<397	<397	<0.500	<1.00	<1.00	<3.00
	07/19/10	Well not sampled - Obstructed						

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		2,200	1,500	1,100	5.0	1,000	700	10,000
	09/22/11	Well not sampled - Obstructed						

Table 2a
Groundwater Analytical Data

Former Chevron Facility 1001430
418 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**
MW-25	06/25/02	LNAPL present - well not sampled						
	09/25/02	LNAPL present - well not sampled						
	04/29/03	LNAPL present - well not sampled						
	09/03/03	LNAPL present - well not sampled						
	03/10/04	LNAPL present - 0.05' - well not sampled						
	09/15/04	LNAPL present - 0.15' - well not sampled						
	04/19/05	LNAPL present - 0.16' - well not sampled						
	09/08/05	LNAPL present - 0.13' - well not sampled						
	04/20/06	LNAPL present - 0.15' - well not sampled						
	09/13/06	LNAPL present - 0.13' - well not sampled						
	03/14/07	LNAPL present - 0.01' - well not sampled						
	09/13/07	1,300	1,700	210	10	2	30	100
	04/10/08	1,840	3,620	<721	11.3	3.50	36.8	142
	09/17/08	2,660	4,550	<743	10.4	26.5	27.9	549
	07/27/09	LNAPL present - 0.04' - well not sampled						
	07/19/10	1,800	3,900	620	9	4	30	120
	09/22/11	**LNAPL Globules present - well not sampled**						
Trip Blank	04/29/03	<10	--	--	<0.5	<0.5	<0.5	<1.5
	09/03/03	<10	--	--	<0.5	<0.5	<0.5	<1.5
	03/10/04	<10	--	--	<0.5	<0.5	<0.5	<1.5
	09/15/04	<10	--	--	<0.5	<0.5	<0.5	<1.5
	04/19/05	<10	--	--	<0.5	<0.5	<0.5	<1.5
	09/08/05	<10	--	--	<0.5	<0.5	<0.5	<1.5
	04/19/06	<10	--	--	<0.5	<0.5	<0.5	<1.5
	09/13/06	<10	--	--	<0.5	<0.5	<0.5	<1.5
	03/14/07	<10	--	--	<1	<1	<1	<2
	09/12/07	<10	--	--	<1	<1	<1	<2
	04/08/08	<50.0	--	--	<0.500	<0.500	<0.500	<1.00
	09/17/08	<50.0	--	--	<0.200	<0.500	<0.500	<1.00
	08/01/09	<50.0	--	--	<0.500	<1.00	<1.00	<3.00
	07/19/10	<10	--	--	<0.5	<0.5	<0.5	<1.5
	09/22/11	**<10**	**--**	**--**	**<0.5**	**<0.5**	**<0.5**	**<1.5**

Notes:

All results are reported in micrograms per liter (µg/L)

GRO = Gasoline range organics, analyzed by GRO AK101

DRO = Diesel range organics, analyzed by DRO AK102

RRO = Residual range organics, analyzed by RRO AK103

Benzene, Toluene, Ethlybenzene, Total Xylenes by EPA Method 8021B

GCL = ADEC 18 AA 75 Groundwater Cleanup Level

LNAPL = Light non-aqueous phase liquid

Bold Type = Results of most recent samping event

Highlighted concentrations are greater than the applicable ADEC GCL.

[D] = Duplicate sample

"--" = Analyte not included in sampling event

[1] = Preserved ambers were collected for the DRO/RRO analyses; however, the cooler containing these sample containers was lost in shipment.

[2] = Sample analysis performed past method-specified holding time.

[3] = TH-1 DRO/RRO results are not available for original sample. Sample bottles broke during transport.

Table 2b
Groundwater Analytical Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5**	**1,000**	**700**	**10,000**	**470**	**15**
AR-81	08/25/99	474	3,230	--	9.24	0.522	8.8	14.2	--	--
	08/15/00	247	3,600	--	3.62	<0.500	3.83	8.95	--	--
	06/25/02	<50.0	1,130	--	0.920	<0.500	0.520	<1.00	--	--
	09/24/02	212	4,550	--	7.56	2.11	5.14	8.95	--	--
	04/29/03	150	2,300	1,000	2.5	<0.5	1	1.8	--	--
	09/03/03	140	2,000	2,400	3.1	<0.5	1.6	2.8	--	--
	03/10/04	Well Frozen								
	09/16/04	69	2,200	3,200	1	<0.5	<0.5	<1.5	--	--
	04/19/05	110	2,000	3,700	0.8	<0.5	0.6	1.6	--	--
	09/07/05	68	1,400	1,200	0.5	<0.5	<0.5	<1.5	--	--
	04/20/06	95	3,100	160	0.6	<0.5	<0.5	<1.5	--	--
	09/12/06	100	900	310	0.7	<0.5	<0.5	<1.5	--	--
	03/15/07	100	1,800	250	<1	<1	<1	<2	--	--
	09/10/07	100	1,100	110	<1	<1	<1	<2	--	--
	04/10/08	121	4,290	<714	0.623	<0.500	<0.500	1.18	--	--
	09/16/08	91.8	2,270	<750	0.423	<0.500	<0.500	1.72	--	--
	07/31/09	126	1,630	496	<0.500	<1.00	<1.00	<3.00	--	--
	07/20/10	67	1,700	760	<0.5	<0.5	<0.5	<1.5	<2.5	--
	09/22/11	**<10**	**280**	**330**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**
AR-82	06/25/02	219	72,800	--	0.200	<0.500	0.525	6.33	--	--
	09/24/02	90.3	1,620	--	0.269	<0.500	<0.500	1.25	--	--
	04/29/03	3,500	390,000	<20,000	<2.5	<2.5	2.5	<25	--	--
	09/03/03	83	24,000	1,800	<0.5	1.1	2.9	8.6	--	--
		Well Removed from Sampling Program in September 2003								
AR-85	08/25/99	<50.0	606	--	<0.500	<0.500	<0.500	<1.00	--	--
	08/15/00	<50.0	634	--	<0.500	<0.500	<0.500	<1.00	--	--
	06/25/02	<50.0	964	--	<0.200	<0.500	<0.500	<1.00	--	--
	09/24/02	<50.0	958	--	0.268	<0.500	<0.500	<1.00	--	--
	04/29/03	<10	620	530	1	<0.5	<0.5	<1.5	--	--
	09/03/03	<10	640	510	0.5	<0.5	<0.5	<1.5	--	--
	09/03/03[D]	<10	640	570	<0.5	<0.5	<0.5	<1.5	--	--
	03/10/04	Well Beneath Snow bank								
	09/16/04	12	880	1,300	2.2	<0.5	<0.5	<1.5	--	--
	09/16/04[D]	13	900	1,300	2.2	<0.5	<0.5	<1.5	--	--
	04/19/05	Well buried and surrounded by equipment								
	09/07/05	<10	450	350	<0.5	<0.5	<0.5	<1.5	--	--
	9/7/2005[D]	<10	630	910	<0.5	<0.5	<0.5	<1.5	--	--
	04/20/06	<10	850	1,200	<0.5	<0.5	<0.5	<1.5	--	--
	09/12/06	<10	480	200	<0.5	<0.5	<0.5	<1.5	--	--
	03/15/07	Well not sampled-buried under snow bank								
	09/10/07	<10	450	220	<1	<1	<1	<2	--	--
	04/10/08	<50.0	951	<735	<0.500	<0.500	<0.500	<1.00	--	--
	04/10/08[D]	<50.0	522	<708	<0.500	<0.500	<0.500	<1.00	--	--
	09/16/08	<50.0	636	<750	0.275	<0.500	<0.500	<1.00	--	--
	07/31/09	<50.0	604	<391	<0.500	<1.00	<1.00	<3.00	--	--
	07/20/10	<10	360	170	<0.5	<0.5	<0.5	<1.5	<2.5	--
	09/22/11	**<10**	**280**	**260**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**

Table 2b
Groundwater Analytical Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5**	**1,000**	**700**	**10,000**	**470**	**15**
MW-1	10/23/03	97	8,200	--	<0.5	<0.5	<0.5	<1.5	--	--
	03/10/04	33	4,100	1,400	<0.5	<0.5	<0.5	<1.5	--	--
	03/10/04[D]	35	6,000	1,500	<0.5	<0.5	<0.5	<1.5	--	--
	09/16/04	29	5,100	1,600	<0.5	<0.5	<0.5	<1.5	--	--
	04/19/05	well not sampled - buried snow/ice (no access)								
	09/07/05	32	870	410	<0.5	<0.5	<0.5	<1.5	--	--
	04/20/06	well not sampled - covered with ice and ponded water								
	09/12/06	23	470	210	<0.5	<0.5	<0.5	<1.5	--	--
	03/15/07	<10	830	360	<1	<1	<1	<2	--	--
	09/10/07	20	520	160	<1	<1	<1	<2	--	--
	04/04/08	Well not sampled - monument underwater								
	09/17/08	<50.0	938	<750	0.369	<0.500	<0.500	1.46	--	--
	07/27/09	Well buried by gravel regrade								
	07/20/10	Well buried by gravel regrade								
	09/22/11	**55**	**460**	**420**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**
MW-2	10/23/03	48,000	40,000	--	2,000	6,000	960	6,000	--	--
	03/10/04	LNAPL - 0.04' - well not sampled								
	09/16/04	LNAPL - 0.03' - well not sampled								
	04/19/05	LNAPL - 0.1' - well not sampled								
	09/07/05	LNAPL - 0.01' - well not sampled								
	04/20/06	well not sampled - covered with snow and gravel								
	09/12/06	8,000	22,000	<500	710	350	280	1,300	--	--
	03/15/07	6,600	7,100	170	500	100	200	900	--	--
	09/10/07	7,600	14,000	<200	700	600	200	1,400	--	--
	04/04/08	Well not sampled - absorbent sock frozen in well								
	09/16/08	21,900	29,300	<3,750	967	1,570	337	2,770	--	--
	07/27/09	Well recessed and buried in vault by gravel regrade								
	07/20/10	Well buried by gravel regrade								
MW-3	10/23/03	36,000	11,000	--	1,600	2,500	570	6,300	--	--
	03/10/04	56,000	44,000	3,000	2,100	4,800	1,100	9,800	--	--
	09/16/04	38,000	59,000	<2,000	1,900	3,100	810	6,600	--	--
	04/19/05	13,000	40,000	<2,000	630	600	340	2,100	--	--
	09/07/05	17,000	24,000	2,900	1,400	1,200	330	2,400	--	--
	04/20/06	19,000	15,000	<500	1,100	960	500	3,100	--	--
	09/12/06	19,000	15,000	<490	1,400	1,000	520	3,200	--	--
	03/16/07	22,000	7,900	490	1,300	900	600	3,700	--	--
	09/10/07	11,000	17,000	<490	900	500	400	2,100	--	--
	04/10/08	33,300	11,000	942	1,540	2,080	923	6,000	--	--
	09/17/08	19,100	31,100	<7,500	1,360	791	411	2,390	--	--
	09/17/08[D]	18,600	22,100	<3,750	1,370	777	406	2,350	--	--
	07/27/09	Well buried by gravel regrade								
	07/20/10	Well buried by gravel regrade								
	09/22/11	**57**	**1,800**	**1,300**	**1.9**	**<0.5**	**<0.5**	**2.6**	**<2.5**	**--**

Table 2b
Groundwater Analytical Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5**	**1,000**	**700**	**10,000**	**470**	**15**
MW-4	10/22/03	LNAPL - well not sampled								
	03/10/04	LNAPL - 0.23' - well not sampled								
	09/16/04	LNAPL - 0.03' - well not sampled								
	04/19/05	well not sampled - covered with ice, monument filled with ice and water								
	09/07/05	68,000	98,000	<2,000	3,200	7,700	1,300	10,000	--	--
	04/20/06	LNAPL - 0.32' - well not sampled								
	09/12/06	64,000	26,000	<980	3,300	8,200	1,400	9,600	--	--
	03/16/07	LNAPL - 0.46' - well not sampled								
	09/10/07	60,000	27,000	<490	3,000	7,900	1,400	9,800	--	--
	04/10/08	Well not sampled - ice in well								
	09/17/08	LNAPL - 0.01' - well not sampled								
	07/27/09	LNAPL - 0.01' - well not sampled								
	07/20/10	40,000	80,000	<6800	2,200	5,300	990	7,200	74	26.1
Duplicate	07/20/10	33,000	42,000	<3,400	1,800	3,800	770	6,000	62	--
	09/22/11	**38,000**	**24,000**	**3,900**	**2,400**	**4,400**	**1,200**	**7,600**	**<200**	**--**
Duplicate	**09/22/11**	**36,000**	**21,000**	**4,600**	**2,300**	**4,000**	**1,100**	**6,800**	**--**	**--**
MW-5	10/23/03	10,000	36,000		1,000	420	100	1,000	--	--
	03/10/04	22,000	9,800	2,000	1,200	1,800	320	3,000	--	--
	09/16/04	22,000	7,100	<200	970	2,000	370	3,500	--	--
	04/19/05	well not sampled - covered with ice and ponded water								
	09/07/05	10,000	5,200	220	870	590	200	1,600	--	--
	04/20/06	well not sampled - covered with ice and ponded water								
	09/12/06	9,700	2,900	<100	980	230	220	1,700	--	--
	09/12/06[D]	9,500	3,000	<200	980	220	210	1,600	--	--
	03/15/07	16,000	6,900	<510	800	900	300	2,700	--	--
	03/15/07[D]	16,000	7,900	<510	800	900	300	2,700	--	--
	09/10/07	6,500	5,200	<200	700	100	100	1,100	--	--
	09/10/07[D]	6,000	5,000	<200	700	100	100	1,100	--	--
	04/04/08	Well not sampled - monument underwater								
	09/16/08	Well not sampled -could not locate								
	07/31/09	9,780 [1]	6,080	707	649	212	166	1,410	--	--
	07/31/09[D]	11,900 [1]	8,240	1,430	801 [1]	304 [1]	160 [1]	1,860 [1]	--	--
	07/20/10	4,100	6,500	530	570	6.7	81	300	12	12.1
	09/22/11	**5,000**	**4,200**	**<670**	**530**	**35**	**150**	**660**	**--**	**--**
MW-7	10/03/05	7,100	2,200	<97	1,700	<5.0	240	300	--	--
	04/20/06	4,600	2,300	200	450	6.9	170	480	--	--
	09/11/06	8,100	2,000	<98	1,800	9.4	280	450	--	--
	03/16/07	7,600	2,500	<100	1,400	9	200	300	--	--
	09/09/07	8,100	3,500	<200	1,800	10	300	700	--	--
	04/10/08	8,650	4,730	<750	1,700	3.08	234	452	--	--
	09/16/08	10,900	5,640	<750	1,830	<25.0	277	676	--	--
	07/31/09	8,570[1]	3,960	606	1,760	<25.0	255	481	--	--
	07/22/10	6,400	4,000	290	1,400	3.4	270	460	27	<0.05
	09/22/11	**5,100**	**4,300**	**<670**	**1,200**	**2.6**	**210**	**350**	**<23**	**--**
MW-8	10/03/05	2,900	1,500	720	390	39	96	290	--	--
	04/20/06	4,500	1,800	120	430	7.9	190	530	--	--
	09/11/06	3,300	1,400	300	410	16	120	330	--	--
	03/16/07	4,400	1,800	110	400	10	200	600	--	--
	09/09/07	2,200	2,000	210	300	20	100	300	--	--
	04/10/08	5,700	2,950	<750	458	6.92	191	525	--	--
	09/16/08	3,020	1,930	<750	269	6.58	95.1	186	--	--
	07/30/09	2,230 [1]	1,370	<391	180 [1]	<10.0 [1]	81.4 [1]	163 [1]	--	--
	07/21/10	4,400	2,300	250	290	7.3	140.0	340	<50	9.9
	09/22/11	**620**	**1,900**	**270**	**5.1**	**<0.5**	**0.9**	**4.0**	**<2.5**	**--**

Table 2b
Groundwater Analytical Data

Former Texaco 211815
410 Driveway Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5**	**1,000**	**700**	**10,000**	**470**	**15**
MW-9	10/03/05	26	240	390	0.7	<0.5	<0.5	<1.5	--	--
	04/20/06	91	500	310	2.5	<0.5	<0.5	<1.5	--	--
	09/11/06	31	63	40	<0.5	<0.5	<0.5		--	--
	03/16/07	700	580	340	2.0	<1	<1	<2	--	--
	09/09/07	<10	110	93	<1	<1	<1	<2	--	--
	04/10/08	92.7	538	<750	1.61	<0.500	<0.500	<1.00	--	--
	09/16/08	<50.0	193	<750	1.86	<0.500	<0.500	<1.00	--	--
	07/30/09	58.8	484	<394	3.02	<1.00	<1.00	<3.00	--	--
	07/21/10	110	840	220	5.6	<0.5	<0.5	<1.5	<2.5	3
	09/22/11	**440**	**780**	**220**	**43**	**0.7**	**<0.5**	**10**	**11**	**--**
MW-10	10/03/05	760	1,200	520	64	2	5	21	--	--
	04/20/06	450	1,400	390	25	<0.5	<0.5	1.7	--	--
	04/20/06[D]	470	1,500	330	25	<0.5	<0.5	1.8	--	--
	09/11/06	670	1,300	250	64	0.8	0.5	2.7	--	--
	09/11/06[D]	660	1,200	240	63	0.8	0.5	2.7	--	--
	03/15/07	Well not sampled-buried under snow bank								
	09/09/07	700	1,500	240	70	<1	3	7	--	--
	04/10/08	498	1,150	<765	24.1	<0.500	<0.500	3.60	--	--
	09/16/08	706	2,220	<750	52.5	0.637	2.58	10.0	--	--
	07/27/09	Well buried by recent construction								
	07/21/10	Well buried by recent construction								
Trip Blank	10/23/03	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	03/10/04	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	09/16/04	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	04/19/05	Trip Blank submitted under COC for 1001430							--	--
	10/03/05	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	04/20/06	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	09/11/06	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--
	03/15/07	<10	--	--	<1	<1	<1	<2	--	--
	09/09/07	<10	--	--	<1	<1	<1	<2	--	--
	04/10/08	<50.0			<0.500	<0.500	<0.500	<1.00	--	--
	09/17/08	<50.0	--	--	<0.200	<0.500	<0.500	<1.00	--	--
	07/31/09	<50.0	--	--	<0.500	<1.00	<1.00	<3.00	--	--
	07/21/10	<10	--	--	<0.5	<0.5	<0.5	<1.5	<2.5	--
	09/22/11	**<10**	**--**	**--**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**

Notes:

All results are reported in micrograms per liter (µg/L)

GRO = Gasoline range organics, analyzed by GRO AK101

DRO = Diesel range organics, analyzed by DRO AK102

RRO = Residual range organics, analyzed by RRO AK103

Benzene, Toluene, Ethylbenzene, Total Xylenes by EPA Method 8021B

LNAPL = Light non-aqueous phase liquid

MTBE = Methyl tert-Butyl ether by EPA Method 8021B

GCL = ADEC 18 AA 75 Groundwater Cleanup Level

Highlighted concentrations are greater than the applicable ADEC GCL.

[D] = Duplicate sample

Bold Type = Results of most recent sampling event

"--" = Indicates analyte not included in sampling event

[1] = Sample required dilution due to high concentrations of target analyte.

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
GEI-1	10/07/02	31,700	218,000	--	5,630	6,770	704	3,860	--	--	--
	09/03/03	LNAPL present - 0.01' - well not sampled									
	04/23/04	26,600	11,200	--	2,910	5,300	582	2,990	--	--	--
	09/16/04	LNAPL present - 0.01' - well not sampled									
	04/20/05	35,300	307,000	--	4,300	6,300	649	3,620	--	--	--
	10/01/05	39,700	18,800	617	3,050	5,350	662	3,820	--	--	--
	04/18/06	Well not sampled - not accessible									
	09/17/06	31,000	29,000	<970	3,200	4,500	540	3,100	--	11,340	--
	03/17/07	LNAPL present - 0.05' - well not sampled									
	09/12/07	27,000	44,000	<2200	2,600	3,600	400	2,600	--	--	--
	04/04/08	Well not sampled - ice in well									
	09/18/08	LNAPL present - 0.67' - well not sampled									
	07/27/09	LNAPL present - 0.43' - well not sampled									
	07/21/10	LNAPL present - 0.27' - well not sampled									
	09/23/11	**LNAPL Globules present - well not sampled**									
GEI-2	10/07/02	170,000	86,500	--	15,100	56,200	3,810	22,000	--	--	--
	09/03/03	265,000	28,700	--	7,250	42,400	3,430	21,300	--	--	--
	04/23/04	150,000	17,900	--	7,500	39,700	3,140	17,900	--	--	--
	09/16/04	214,000	109,000	--	8,490	48,700	3,310	24,400	--	--	--
	04/20/05	196,000	88,700	--	7,520	49,800	3,490	23,100	--	--	--
	10/01/05	201,000	--	--	5,900	47,200	3,480	22,500	--	--	--
	04/18/06	219,000	33,100	904	5,510	46,200	3,380	24,100	--	--	--
	09/17/06	190,000	25,000	<970	6,000	42,000	3,300	22,000	--	--	--
	03/17/07	Well not sampled - buried under equipment									
	09/12/07	170,000	75,000	<1100	4,900	37,000	3,100	20,000	--	--	--
	04/11/08	184,000	45,700	<3,750	4,530	49,300	3,520	22,200	--	--	--
	09/18/08	216,000	189,000	<16,700	5,530	45,300	3,950	28,300	--	--	--
	09/18/08[D]	151,000	207,000	<16,700	4,360	32,800	2,580	18,500	--	--	--
	07/30/09	220,000 [1]	70,600 [1]	6,910 [1]	5,430 [1,3]	96,200 [1,2]	3,980 [1]	24,170 [1,3]	--	--	--
	07/30/09[D]	200,000 [1]	71,400	5,280 [3]	4,990 [1]	45,700 [1]	3,610 [1]	24,380 [1,3]	--	--	--
	07/21/10	160,000	22,000	<1,300	2,900	41,000	3,500	23,000	49	--	10.4
Duplicate	07/21/10	160,000	52,000	<6,800	2,800	36,000	3,300	22,000	--	--	--
	09/23/11	**LNAPL Globules present - well not sampled**									
GEI-3	10/07/02	36,600	101,000	--	178	3,070	339	12,000	--	--	--
	09/03/03	35,800	82,700	--	86.0	1,070	122	7,840	--	--	--
	04/23/04	16,600	25,200	--	66.0	758	63.1	5,920	--	--	--
	09/16/04	23,000	52,300	--	44.0	903	138	9,640	--	--	--
	09/16/04	--	--	--	35.2	835	77.7	6,610	--	--	--
	04/20/05	Well not sampled - not accessible									
	10/01/05	18,200	58,300	1,500	30.1	485	67.8	5,940	--	--	--
	10/01/05	19,100	--	--	<50.0	468	<50.0	6,280	--	--	--
	04/18/06	21,700	70,300	1,220	28.3	1,290	173	6,970	--	--	--
	09/16/06	16,000	62,000	<2,000	20.0	280	61	5,100	--	--	--
	03/17/07	32,000	42,000	<2,000	30	1,200	200	6,700	--	--	--
	09/11/07	17,000	70,000	<2,000	20	800	200	5,500	--	--	--
	04/11/08	30,500	40,800	<3,540	<100	1,460	359	8,440	--	--	--
	09/18/08	20,300	97,400	<7,500	16.8	484	131	6,380	--	--	--
	07/28/09	16,900 [1]	37,200	2,720	6.10 [1]	202 [1]	89.2 [1]	4,770 [1]	--	--	--
	07/21/10	23,000	92,000	<14,000	16	870	200	6,400	--	--	--
	09/23/11	**LNAPL Globules present - well not sampled**									

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
GEI-4	10/07/02	LNAPL present - 0.67' - well not sampled									
	09/03/03	LNAPL present - 0.01' - well not sampled									
	04/23/04	3,720	30,200	--	30.7	76.7	55.5	76.7	--	--	--
	09/16/04	LNAPL present - 0.01' - well not sampled									
	04/20/05	807	195,000	--	15.1	3.83	48.2	3.83	--	--	--
	10/01/05	2,560	44,000	601	13.4	<1.00	52.3	<1.00	--	--	--
	04/18/06	1,180	95,700	<8,060	15.2	2.18	66.4	2.18	--	--	--
	04/18/06	1,010	--	--	14.4	<0.500	53.6	<0.500	--	--	--
	09/16/06	1,400	39,000	<960	16	1.8	40	190	--	--	--
	03/17/07	1,400	54,000	<1,900	20	2	40	200	--	--	--
	09/11/07	2,700	100,000	<2,100	10	<10	70	300	--	--	--
	04/11/08	1,780	192,000	<4,120	15.0	<2.50	56.8	229	--	--	--
	04/11/08[D]	2,140	215,000	<3,680	13.4	<10.0	60	268	--	--	--
	09/18/08	LNAPL present - 0.01' - well not sampled									
	07/29/09	1,190 [1]	1,620,000 [1]	<39,100 [1]	5.10 [1]	<10.0 [1]	25.0 [1]	147 [1]	--	--	--
	07/21/10	440	24,000	<3,300	0.9	<0.5	8.9	35	--	--	--
	09/23/11	**LNAPL Globules present - well not sampled**									
GEI-5	10/07/02	12,400	47,600	--	2,310	813	119	1,660	--	--	--
	10/07/02	10,800	--	--	2,360	841	127	1,660	--	--	--
	09/03/03	10,100	68,000	--	1,420	205	32.9	650	--	--	--
	04/23/04	Well not sampled - not accessible.									
	09/16/04	12,000	18,000	--	2,330	549	66.3	1,200	--	--	--
	04/20/05	7,050	71,500	--	1,240	444	44.0	1,040	--	--	--
	10/01/05	10,700	67,400	2,020	1,430	239	37.8	922	--	--	--
	04/18/06	--	--	--	--	--	--	--	--	--	--
	09/16/06	6,200	22,000	<500	910	290	45	850	--	--	--
	03/17/07	Well not sampled due to damage									
	09/11/07	Well not sampled due to damage									
	04/04/08	Well not sampled - well underwater									
	09/18/08	LNAPL present - 0.01' - well not sampled									
	07/29/09	Well dry									
	07/22/10	270	3,500	2,500	13	4.9	<0.5	9.7	--	--	--
	09/24/11	**1,400**	**6,200**	**950**	**290**	**14**	**1.5**	**35**	**--**	**--**	**--**
GEI-6	10/07/02	58,800	5,790	--	1.26	1.95	<0.500	2.99	--	--	--
	09/03/03	<80	3,520	--	0.717	<0.500	<0.500	<1.00	--	--	--
	04/23/04	Well not sampled - not accessible.									
	09/16/04	58.8	7,580	--	0.758	<0.500	<0.500	1.72	--	--	--
	04/20/05	Well not sampled - not accessible.									
	10/01/05	<50	2,180	1,140	0.768	<0.500	<0.500	<1.50	--	--	--
	04/18/06	Well not sampled - not accessible.									
	09/16/06	51	3,400	2,300	1.0	<0.5	<0.5	<1.5	--	--	--
	03/17/07	<10	800	770	<1	<1	<1	<2	--	--	--
	09/11/07	20	2,200	1,000	<1	<1	<1	<2	--	--	--
	04/04/08	Well not sampled - well underwater									
	09/18/08	Well not sampled - unable to locate									
	07/30/09	<50.0	5,260	2,120	<0.500	<1.00	<1.00	<3.00	--	--	--
	07/22/10	Well not sampled- under water									
	09/24/11	**<10**	**2,700**	**2,200**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
GEI-7	09/03/03	LNAPL present - 0.01' - well not sampled									
	04/23/04	LNAPL present - 0.41' - well not sampled									
	09/16/04	LNAPL present - 0.09' - well not sampled									
	04/20/05	LNAPL present - 0.93' - well not sampled									
	10/01/05	15,400	98,700	<4,240	299	2,180	246	2,560	--	--	--
	04/18/06	Well not sampled - not accessible.									
	09/17/06	15,000	110,000	<2,000	360	2,000	250	2,400	--	--	--
	03/17/07	Well not sampled - buried under equipment									
	09/12/07	13,000	79,000	<2,200	300	1,800	300	2,100	--	--	--
	04/04/08	Well not sampled - ice in well									
	09/18/08	16,600	295,000	<15,000	459	2,710	257	4,450	--	--	--
	07/30/09	19,900 [1]	110,000 [1]	<4,030 [1]	395 [1,3]	2,260 [1,3]	267 [1,3]	2,830 [1,3]	--	--	--
	07/30/09[D]	19,800 [1]	100,000 [1]	<4,000 [1]	371 [1,3]	2,110 [1,3]	244 [1]	2,800 [1]	--	--	--
	07/22/10	14,000	120,000	<14,000	280	1,900	230	2,500	3.3	--	6.7
Duplicate	07/22/10	14,000	140,000	<14,000	290	2,000	240	2,500	--	--	--
	09/23/11	**LNAPL Globules present - well not sampled**									
GEI-8	09/03/03	11,000	83,900	--	38.4	342	229	2,350	--	--	--
	04/23/04	8,850	107,000	--	152	834	161	1,930	--	--	--
	09/16/04	10,700	515,000	--	22.7	172	210	3,500	--	--	--
	04/20/05	6,920	571,000	--	14.9	189	136	1,740	--	--	--
	10/01/05	7,520	59,100	983	15.6	91.0	105	1,710	--	--	--
	04/18/06	4,870	43,600	1,110	14.8	131	148	1,620	--	--	--
	09/16/06	4,200	27,000	<960	14	93	89	1,200	--	--	--
	03/17/07	4,900	11,000	290	20	100	100	1,400	--	--	--
	09/11/07	4,000	48,000	<1000	20	100	100	1,300	--	--	--
	04/04/08	Well not sampled - inaccessible									
	09/18/08	Well not sampled - inaccessible									
	07/29/09	6,760	42,800	1,930	8.60	39.6	112	1,090	--	--	--
	07/22/10	4,900	280,000	<13,000	9.4	53	96	1,400	--	--	--
	09/24/11	**LNAPL Globules present - well not sampled**									
GEI-9	09/03/03	LNAPL present - 0.01' - well not sampled							--	--	--
	04/23/04	1,030	51,600	--	5.01	29.0	12.2	161	--	--	--
	09/16/04	1,490	276,000	--	1.58	2.63	6.73	59.3	--	--	--
	04/20/05	1,480	517,000	--	1.70	<0.500	7.31	41.9	--	--	--
	10/01/05	1,090	93,900	<4,030	1.44	<0.500	5.68	43.3	--	--	--
	04/18/06	881	97,800	<7,940	2.02	<0.500	8.10	57.0	--	--	--
	09/16/06	410	56,000	<2,000	2.1	<0.5	6.6	36	--	--	--
	03/17/07	600	17,000	290	3	<1	10	70	--	--	--
	09/11/07	400	80,000	<1,900	<10	<10	<10	60	--	--	--
	04/11/08	397	34,100	<3,610	<2.50	<2.50	9.61	42.7	--	--	--
	09/18/08	491	113,000	<7,430	1.40	<2.50	5.94	35.1	--	--	--
	07/28/09	464	58,400	3,180	0.850	<1.00	7.31	26.5	--	--	--
	07/22/10	Well not sampled - Unable to locate									
	09/24/11	**LNAPL Globules present - well not sampled**									

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
GEI-10	10/01/05	551	45,800	412	<0.500	<0.500	7.71	42.9	--	--	--
	04/18/06	689	43,400	510	<0.500	<0.500	40.0	135	--	--	--
	09/16/06	500	23,000	<500	<0.5	<0.5	13.0	53	--	--	--
	09/16/06[D]	510	22,000	<500	<0.5	<0.5	13.0		--	--	--
	03/17/07	Well not sampled - unable to locate									
	09/09/07	700	19,000	<200	<1	<1	10	40	--	--	--
	09/09/07[D]	400	32,000	<410	<10	<10	10	50	--	--	--
	04/12/08	640	18,700	<3,570	<2.50	<2.50	16.4	66.9	--	--	--
	09/18/08	256	19,300	<4,170	<1.00	<2.50	<2.50	8.48	--	--	--
	07/30/09	608	3,320	<394	<0.500	<1.00	7.64	31.9	--	--	--
	07/22/10	520	74,000	<6,800	<0.5	<2.0	6.5	27	--	--	--
	09/24/11	**110**	**17,000**	**<3,400**	**<0.5**	**<0.5**	**0.7**	**3.8**	**--**	**--**	**--**
Duplicate	**09/24/11**	**290**	**3,900**	**<660**	**<0.5**	**<0.5**	**1.1**	**4.6**	**--**	**--**	**--**
GEI-11	10/01/05	161,000	61,900	2,810	8,060	21,500	1,340	8,570	--	--	--
	04/18/06	--	--	--	--	--	--	--	--	--	--
	09/17/06	92,000	55,000	<3,900	6,300	19,000	1,500	9,100	--	--	--
	03/17/07	LNAPL present - 0.02' - well not sampled									
	09/12/07	100,000	93,000	<1900	5,100	18,000	1,900	11,000	--	--	--
	04/12/08	101,000	439,000	<3,640	5,630	21,300	1,930	11,100	--	--	--
	09/18/08	103,000	71,100	<7,080	5,530	20,800	1,560	10,200	--	--	--
	07/27/09	No current access to well - under permit stipulation									
	07/21/10	No current access to well - under permit stipulation									
	09/24/11	**No current access to well - under permit stipulation**									
GEI-12	10/01/05	9,920	43,900	<410	233	478	290	2,040	--	--	--
	04/18/06	5,480	68,100	466	136	250	158	1,110	--	--	--
	09/16/06	6,200	56,000	<1,000	130	300	150	1,100	--	--	--
	03/17/07	LNAPL present - 0.04' - well not sampled									
	09/09/07	5,000	63,000	<2,000	100	300	100	1,100	--	--	--
	04/12/08	4,900	126,000	<3,610	86.3	102	145	979	--	--	--
	09/18/08	8,850	85,300	<7,080	334	598	214	1,740	--	--	--
	07/29/09	8,540 [1]	42,800	471	72.4 [1]	256 [1]	166 [1]	1,190 [1]	--	--	--
	07/22/10	6,800	77,000	<6,700	99	480	170	1,300	--	--	--
	09/24/11	**LNAPL Globules present - well not sampled**									
MW-1	**09/23/11**	**37**	**110**	**<67**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**
MW-2	10/01/05	94.4	<403	<403	<0.500	<0.500	<0.500	<1.50	--	--	--
	04/18/06	<500	918	<391	<0.500	<0.500	<0.500	<1.50	--	--	--
	09/15/06	14	260	490	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/17/07	20	470	310	<1	<1	<1	<2	--	--	--
	09/09/07	<10	160	87	<1	<1	<1	<2	--	--	--
	09/09/07[D]	<10	210	160	<1	<1	<1	<2	--	--	--
	04/12/08	<50.0	1,130	<708	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/18/08	<50.0	613	<743	0.210	<0.500	<0.500	<1.00	--	--	--
	07/30/09	12,100[1]	8,470[1]	1,100[1]	1,220[1]	61.0[1]	263[1]	1,680[1]	--	--	--
	07/22/10	13	300	140	<0.5	<0.5	<0.5	<1.5	--	<0.5	
	09/23/11	**25**	**710**	**360**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**
MW-3	07/22/10	16	330	1,900	<0.5	<0.5	<0.5	<1.5	--	<0.5	--
	09/23/11	**400**	**7,500**	**<1,300**	**22**	**9.3**	**6.9**	**63**	**--**	**--**	**--**

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
MW-4	10/01/05	--	--	--	--	--	--	--	--	--	--
	04/18/06	<500	<407	<407	<0.500	<0.500	<0.500	<1.50	--	--	--
	09/15/06	<10	98	200	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/16/07	60	85	110	30	<1	<1	<2	--	--	--
	09/09/07	<10	65	140	<1	<1	<1	<2	--	--	--
	04/11/08	<50.0	<106	<798	<0.500	<0.500	<0.500	<1.00	--	--	--
	09/18/08	<50.0	164	<743	<0.200	<0.500	<0.500	<1.00	--	--	--
	07/30/09	<50.0	<391	803	<0.500	<1.00	<1.00	<3.00	--	--	--
	07/22/10	<10	62	93	<0.5	<0.5	<0.5	<1.5	--	<0.5	--
	09/23/11	**<10**	**68**	**69**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**<2.5**	**--**
MW-5	10/01/05	16,200	51,500	668	245	1,620	270	3,070	--	--	--
	04/18/06	21,500	114,000	<7,810	287	3,220	498	3,910	--	--	--
	09/15/06	18,000	42,000	<1,000	220	1,700	370	2,800	--	--	--
	09/15/06[D]	18,000	77,000	<1,900	230	1,900	410	3,400	--	--	--
	03/17/07	Well not sampled - Sheen present									
	09/12/07	14,000	53,000	<990	200	1,900	400	2,700	--	--	--
	04/12/08	29,700	165,000	<3,540	152	2,530	627	6,030	--	--	--
	09/18/08	29,900	58,600	<7,430	163	1,080	464	4,900	--	--	--
	07/30/09	16,500[1]	10,000[1]	492[1]	84.7[1]	977[1]	367[1]	2,130[1]	--	--	--
	07/22/10	22,000	380,000	<17,000	140	1,600	360	4,000	--	3	--
	09/23/11	**LNAPL Globules present - well not sampled**									
MW-6	10/01/05	Well not sampled - not accessible.									
	04/18/06	624	1,120	<391	138	<0.500	10.0	7.50	--	--	--
	09/15/06	39	210	260	8.1	<0.5	1.0	<1.5	--	--	--
	03/16/07	200	280	170	30	<1	1	<2	--	--	--
	03/16/07[D]	100	250	180	30	<1	1	<2	--	--	--
	09/11/07	40	300	280	7	<1	<1	<2	--	--	--
	04/11/08	77.1	1,100	<750	17.4	<0.500	<0.500	<1.00	--	--	--
	09/18/08	<50.0	398	<743	0.525	<0.500	<0.500	<1.00	--	--	--
	07/30/09	<50.0	<403	<403	2.44	<1.00	<1.00	<3.00	--	--	--
	07/22/10	160	390	150	15	2.1	1.6	12	--	0.6	--
	09/23/11	**<10**	**100**	**150**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**
MW-13	08/03/07	40	44	51	1	<1	<1	<2	--	--	--
	09/09/07	70	70	63	2	<1	<1	<2	--	--	--
	04/04/08	Well not sampled - ice in well									
	09/18/08	62.7	151	<708	0.814	<0.500	<0.500	<1.00	--	--	--
	07/27/09	No current access to well - under permit stipulation									
	07/22/10	No current access to well - under permit stipulation									
	09/24/11	**No current access to well - under permit stipulation**									
MW-14	09/22/10	200	900	260	14	<0.5	<0.5	2	--	--	--
	09/23/11	**300**	**820**	**400**	**12**	**<0.5**	**2.8**	**8.9**	**--**	**--**	**--**
MW-15	09/22/10	38,000	40,000	<3,900	1,300	5,700	920	6,700	--	--	--
	09/23/11	**LNAPL Globules present - well not sampled**									
K-5	08/25/99	LNAPL present - 0.29' - well not sampled									
	08/16/00	4,140	133,000	<4,030	<12.5	<12.5	<19.2	<54.0	--	--	--
	10/01/05	18,100	86,600	<4,030	<0.500	<0.500	2.26	7.56	--	--	--
	04/18/06	--	--	--	--	--	--	--	--	--	--
	09/27/06	610	17,000	<480	<0.5	<0.5	0.5	<1.5	--	--	--
	03/17/07	Well not sampled - unable to remove cover									
	09/09/07	1,800	110,000	<1,900	<1	<1	2	10	--	--	--
	04/12/08	195	24,000	<3,680	<0.500	<0.500	0.758	2.80	--	--	--
	09/18/08	484	69,700	<7,500	<0.200	<0.500	0.749	4.38	--	--	--
	07/29/09	493	9,160	397	<0.500	<1.00	<1.00	4.16	--	--	--
	07/22/10	360	78,000	<6,900	<0.5	<0.5	1	6	--	<0.5	--
	09/24/11	**86**	**11,000**	**<680**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**

Table 2c
Groundwater Analytical Data

Former Unocal 306456
328 1/2 Illinois Street
Fairbanks, Alaska

Monitoring Well ID	Date	GRO	DRO	RRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	EDB	MTBE	Dissolved Lead
ADEC GCL		**2,200**	**1,500**	**1,100**	**5.0**	**1,000**	**700**	**10,000**	**0.05**	**470**	**15**
K-7	10/01/05	<50	421	<417	<0.500	<0.500	<0.500	<1.50	--	--	--
	04/1806	429	--	--	<0.500	<0.500	1.71	5.28	--	--	--
	09/16/06	<10	72	250	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/17/07	Well not sampled - unable to locate									
	09/09/07	<100	71	240	<10	<10	<10	<20	--	--	--
	04/04/08	Well not sampled - ice in well									
	09/18/08	<50.0	<100	<750	<0.200	<0.500	<0.500	<1.00	--	--	--
	07/29/09	<50.0	416	504	<0.500	<1.00	<1.00	<3.00	--	--	--
	07/22/10	<10	62	100	<0.5	<0.5	<.05	<1.5	--	<0.5	--
	09/24/11	**<10**	**71**	**140**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	**--**	**--**	**--**
Trip Blank	04/18/06	<50	421	<417	<0.500	<0.500	<0.500	<1.50	--	--	--
	09/14/06	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/14/06	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	03/17/07	<10	--	--	<1	<1	<1	<2	--	--	--
	09/09/07	<10	--	--	<1	<1	<1	<2	--	--	--
	04/11/08	<50.0	--	--	<0.500	<0.500	<0.500	<1.00	--	--	--
	07/30/09	<50.0	--	--	<0.200	<0.500	<0.500	<1.00	--	--	--
	07/22/10	<10	--	--	<0.5	<0.5	<0.5	<1.5	--	--	--
	09/23/11	**<10**	**--**	**--**	**<0.5**	**<0.5**	**<0.5**	**<1.5**	--	--	--

Notes:

All results are reported in micrograms per liter (µg/L)
GRO = Gasoline range organics, analyzed by GRO AK101
DRO = Diesel range organics, analyzed by DRO AK102
RRO = Residual range organics, analyzed by RRO AK103
Benzene, Toluene, Ethylbenzene, Total Xylenes by EPA Method 8021B
Dissolved lead by EPA Method 200.8
EDB = 1,2-Dibromoethane by EPA Method 8260B
MTBE = Methyl tert-Butyl ether by EPA Method 8021B
LNAPL = Light non-aqueous phase liquid
GCL = ADEC 18 AAC 75 Groundwater Cleanup Level
Bold Type = Results of most recent sampling event
Highlighted concentrations are greater than the applicable ADEC GCL.
[D] = Duplicate sample
"--" = Analyte not included in sampling event
[1] = Sample required dilution due to high concentrations of target analyte.
[2] = Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
[3] = Concentration reported by the EPA 8260B method was greater than concentration reported by the AK 101 method. The listed concentrations are results from the 8260B analysis.

3,900

Table 3
Groundwater Volatile Organic Compounds Analytical Data

Former Chevron 1001430, 418 Illinois Street
Former Texaco 211815, 401 Driveway Street
Former Unocal 306456, 328 1/2 Illinois Street
Fairbanks, Alaska

EPA Method:		8260B																				8021B
Well	Sample Date	1,2-Dibromoethane	1,2-Dibromoethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	Carbon Tetrachloride	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	naphthalene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	trichlorofluoromethane	trichloroethene	Tetrachloroethene	Isopropylbenzene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)	m+p-Xylene	n-Propylbenzene	o-Xylene	Mmethyl Tertiary Butyl Ether (MTBE)
ADEC GCL		0.05	0.05	7,300	7	200	5	5	70	100	730	1,800	1,800	11,000	5	5	3.7	0.005	11	NE	0.37	NE	470
Former Chevron 1001430																							
TH-13	10/03/05	<0.0094	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/14/06	<0.0095	<0.5	<0.5	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	<2.5
	03/15/07	<0.0097	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/13/07	<0.0098	--	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	1	<0.8	--	--	--	--	--	--	--
	04/10/08	<0.010	<1.00	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
	09/17/08	<0.010	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
TH-17	10/03/05	<0.0088	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/14/06	<0.0096	<0.5	<0.5	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	<10
	03/15/07	<0.0097	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	1	<0.8	--	--	--	--	--	--	--
	09/13/07	<0.0097	--	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	1	<0.8	--	--	--	--	--	--	--
	04/04/08	Well not sampled - monument underwater																					
	09/17/08	<0.010	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
	09/17/08[D]	<0.010	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
Trip Blank	10/03/05	<0.0094	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	04/20/06	<0.0096	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	<2.5
	09/13/06	<0.0098	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	03/14/07	<0.0099	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/12/07	<0.0099	--	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--

Table 3
Groundwater Volatile Organic Compounds Analytical Data

Former Chevron 1001430, 418 Illinois Street
Former Texaco 211815, 401 Driveway Street
Former Unocal 306456, 328 1/2 Illinois Street
Fairbanks, Alaska

EPA Method:		8260B																				8021B
Well	Sample Date	1,2-Dibromoethane	1,2-Dibromoethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	Carbon Tetrachloride	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	naphthalene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	trichlorofluoromethane	trichloroethene	Tetrachloroethene	Isopropylbenzene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)	m+p-Xylene	n-Propylbenzene	o-Xylene	Mmethyl Tertiary Butyl Ether (MTBE)
ADEC GCL		**0.05**	**0.05**	**7,300**	**7**	**200**	**5**	**5**	**70**	**100**	**730**	**1,800**	**1,800**	**11,000**	**5**	**5**	**3.7**	**0.005**	**11**	**NE**	**0.37**	**NE**	**470**
Former Texaco 211815																							
AR-81	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5
AR-85	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5
MW-2	03/16/07	<0.0099	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/10/07	<0.0099	--	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
MW-3	10/03/05	<0.0094	<5	<5	--	<4	<5	<5	--	--	--	--	--	--	<5	<4	--	--	--	--	--	--	--
	04/20/06	<0.0097	<1	<2	--	<2	<2	<1	--	--	--	--	--	--	3	<2	--	--	--	--	--	--	<100
	09/12/06	<0.0096	<3	<5	--	<4	<5	<3	--	--	--	--	--	--	7	<4	--	--	--	--	--	--	<25
	03/16/07	<0.0097	<1	<2	--	<2	<2	<1	--	--	--	--	--	--	<2	<2	--	--	--	--	--	--	--
	09/10/07	<0.0099	--	<2	--	<2	<2	<1	--	--	--	--	--	--	<2	<2	--	--	--	--	--	--	--
	04/10/08	0.010	<1.00	<1.00	--	<1.00	<1.00	10.2	--	--	--	--	--	--	2.33	<1.00	--	--	--	--	--	--	--
	09/17/08	0.014	--	<1.00	--	<1.00	<1.00	9.13	--	--	--	--	--	--	1.44	<1.00	--	--	--	--	--	--	--
	09/17/08[D]	0.015	--	<1.00	--	<1.00	<1.00	9.32	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
	09/22/11	**<0.5**	--	**<1**	**<0.8**	**<0.8**	**<1**	**<0.5**	**<0.8**	**<0.8**	**<1**	**<1**	**<1**	**3**	**<1**	**<0.8**	**<1**	**--**	**--**	**1**	**<1**	**2**	**<2.5**
MW-4	10/03/05	0.025	<10	<10	--	<8	<10	<10	--	--	--	--	--	--	<10	<8	--	--	--	--	--	--	--
	04/20/06	LNAPL present - 0.32' - well not sampled																					
	09/12/06	0.039	<3	<5	--	<4	<5	<3	--	--	--	--	--	--	<5	<4	--	--	--	--	--	--	220
	07/20/10	--	--	--	--	--	--	--	--	--	430	--	--	--	<5	<4	--	--	--	--	--	--	--
	09/22/11	**<3**	--	**<5**	**<4**	**<4**	**<5**	**68**	**<4**	**<4**	**260**	**1,300**	**400**	**<10**	**<5**	**<4**	**70**	**--**	**--**	**6,700**	**160**	**2,300**	**<200**
MW-7	10/03/05	<0.0094	<3	<3	--	<2	<3	<3	--	--	--	--	--	--	<3	<2	--	--	--	--	--	--	--
	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50
	07/31/09	--	--	<10.0[1]	--	--	--	<20.0[1]	--	--	--	--	--	--	--	<10.0[1]	--	--	--	--	--	--	29.5
	09/22/11	**<1**	--	**<2**	**<2**	**<2**	**<2**	**<1**	**<2**	**<2**	**64**	**160**	**32**	**<4**	**<2**	**<2**	**22**	**--**	**--**	**310**	**41**	**3**	**<23**
MW-8	10/03/05	0.026	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<100
	07/30/09	--	--	<1.00	--	--	--	<2.00	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	7.03
	07/21/10	--	--	--	--	--	--	<0.8	--	--	--	--	--	--	--	<0.8	--	--	--	--	--	--	--
	09/22/11	**<0.5**	--	**<1**	**<0.8**	**<0.8**	**<1**	**<0.5**	**<0.8**	**<0.8**	**<1**	**1**	**4**	**<2**	**<1**	**<0.8**	**<1**	**--**	**--**	**3**	**<1**	**<0.5**	**<2.5**
MW-9	10/03/05	<0.0094	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5
	07/30/09	--	--	<1.00	--	--	--	<2.00	--	--	--	--	--	--	--	<1.00	--	--	--	--	--	--	<1.00
	07/21/10	--	--	--	--	--	--	<0.8	--	--	--	--	--	--	--	<0.8	--	--	--	--	--	--	--
	09/22/11	**<0.5**	--	**<1**	**<0.8**	**<0.8**	**<1**	**2**	**<0.8**	**<0.8**	**<1**	**1**	**<1**	**<2**	**<1**	**<0.8**	**1**	**--**	**--**	**5**	**<1**	**3**	**11**
MW-10	10/03/05	<0.0094	<1	<1	--	<0.8	<1	<1	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	04/20/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
	04/20/06[D]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10
Trip Blank	09/11/06	<0.0098	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	03/15/07	--	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/09/07	<0.0099	<1	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--

Table 3
Groundwater Volatile Organic Compounds Analytical Data

Former Chevron 1001430, 418 Illinois Street
Former Texaco 211815, 401 Driveway Street
Former Unocal 306456, 328 1/2 Illinois Street
Fairbanks, Alaska

EPA Method:		8260B																				8021B
Well	Sample Date	1,2-Dibromoethane	1,2-Dibromoethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane	Carbon Tetrachloride	1,2-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	naphthalene	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	trichlorofluoromethane	trichloroethene	Tetrachloroethene	Isopropylbenzene	Trichloroethene (Trichloroethylene)	Trichlorofluoromethane (Freon 11)	m+p-Xylene	n-Propylbenzene	o-Xylene	Mmethyl Tertiary Butyl Ether (MTBE)
ADEC GCL		**0.05**	**0.05**	**7,300**	**7**	**200**	**5**	**5**	**70**	**100**	**730**	**1,800**	**1,800**	**11,000**	**5**	**5**	**3.7**	**0.005**	**11**	**NE**	**0.37**	**NE**	**470**
Former Unocal Bulk Plant 306456																							
GEI-2	09/17/06	120	140	<1.0	--	<0.8	<1.0	<0.5	--	--	--	--	--	--	<1.0	<0.8	--	<1	--	--	--	--	<500
	09/12/07	96	--	<2	--	<2	<2	<1	--	--	--	--	--	--	<2	<2	--	<2	--	--	--	--	--
	04/11/08	73.3	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	<1.00	--	--	--	--	--
	09/18/08	152	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	<1.00	--	--	--	--	--
	09/18/08[D]	146	--	<1.00	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	--	--	--	--	--	--
	07/30/09	120 [3]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<1,000[2]	2,120[2]	510[2]	<500[2]	<500[2]	<500[2]	--	--	--	--	--	--	<500[2]
	07/30/09[D]	131 [3]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<500[2]	<1,000[2]	2,360[2]	565[2]	<500[2]	<500[2]	<500[2]	--	--	--	--	--	--	<500[2]
GEI-7	09/12/07	3.1	--	2	--	<0.8	<1	<0.5	--	--	--	--	--	--	3	11	--	3	--	--	--	--	--
	09/18/08	13.8	--	1.88	--	<1.00	<1.00	9.27	--	--	--	--	--	--	3.84	16.5	--	3.84	--	--	--	--	--
	07/30/09	4.75 [3]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	407[2]	681[2]	231[2]	<100[2]	<100[2]	<100[2]	--	--	--	--	--	--	<100[2]
	07/30/09[D]	4.51 [3]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	<100[2]	659[2]	792[2]	254[2]	<100[2]	<100[2]	<100[2]	--	--	--	--	--	--	<100[2]
GEI-9	03/16/07	0.014	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	<1	--	--	--	--	--
GEI-11	09/17/06	1.9	2	<1.0	--	<0.8	<1.0	<0.5	--	--	--	--	--	--	<1.0	<0.8	--	<1	--	--	--	--	<250
	04/12/08	2.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GEI-12	04/12/08	<0.010	--	--	--	<1.00	<1.00	<1.00	--	--	--	--	--	--	<1.00	<1.00	--	<1.00	--	--	--	--	--
MW-4	07/30/09	--	--	--	<1.00	--	--	--	<1.00	<1.00	--	--	--	--	--	<1.00	--	--	--	--	--	--	<1.00
	09/23/11	**<0.5**	**--**	**<1**	**--**	**--**	**--**	**<0.5**	**--**	**--**	**<1**	**<1**	**<1**	**--**	**--**	**<0.8**	**<1**	**<1**	**<2**	**<0.5**	**<1**	**<0.5**	**<2.5**
MW-6	07/30/09	--	<2.00[4]	<2.00[4]	<2.00[4]	<2.00[4]	<2.00[4]	<2.00[4]	<2.00[4]	<2.00[4]	<4.00[4]	<2.00[4]	<2.00[4]	71.2 [4]	<2.00[4]	<2.00[4]	--	--	--	--	--	--	<2.00[4]
MW-13	09/09/07	<0.0098	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/18/08	<0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14	9/22/2010	--	--	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	2	<1	12	2	2	<0.5	--
	09/23/11	**<0.5**	**--**	**<1**	**--**	**--**	**--**	**<0.5**	**--**	**--**	**2**	**3**	**1**	**--**	**--**	**<0.8**	**1**	**<1**	**8**	**3**	**<1**	**3**	**<0.5**
MW-15	9/22/2010	--	--	--	--	--	--	<5	--	--	--	--	--	--	--	--	68	<10	<20	5,600	130	2,800	--
Trip Blank	03/17/07	<0.0098	<0.5	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--
	09/09/07	<0.0099	--	<1	--	<0.8	<1	<0.5	--	--	--	--	--	--	<1	<0.8	--	--	--	--	--	--	--

Notes:

All results are reported in micrograms per liter (µg/L)

VOC = volatile organic compounds; analyzed using EPA Method 8260B

RCRA = Resource Conservation and Recovery Act; samples analyzed using EPA Methods 7470 (mercury only) and 6010B

GCL = ADEC 18 AAC 75 Groundwater Cleanup Level

Bold Type = Results of most recent sampling event

Highlighted concentrations are greater than the applicable ADEC GCL.

-- = sample was not analyzed for this compound

<25 = result did not exceed indicated method reporting limit; an elevated reporting limit indicates sample was diluted

[1] = Reporting limit raised due to high concentrations of non-target analytes.

[2] = Sample required dilution due to high concentrations of target analyte.

[3] = Sample analyzed via EPA Method 504.1.

[4] = Reporting limit raised due to insufficient sample volume.

[D] = Duplicate

NE = Not Established

Table 4
Groundwater Polycyclic Aromatic Hydrocarbons Analytical Data

Former Chevron 1001430, 418 Illinois Street
Former Texaco 211815, 401 Driveway Street
Former Unocal 306456, 328 1/2 Illinois Street
Fairbanks, Alaska

Well	Sample Date	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	1-Methylnaphthalene	2-Methylnaphthalene
ADEC GCL		**730**	**2,200**	**2,200**	**1,500**	**11,000**	**11,000**	**1,500**	**1,100**	**1.2**	**120**	**1.2**	**12**	**0.2**	**1.2**	**0.12**	**1,100**	**150**	**150**
Former Chevron 1001430																			
TH-1	07/20/10	17	<0.95	<0.95	2.7	<0.95	1.7	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95	--	--
TH-2	07/19/10	0.11	<0.010	0.15	0.32	<0.010	<0.010	<0.010	0.015	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
TH-5	07/19/10	11	0.22	0.83	3.5	3.4	0.62	0.50	0.44	0.041	0.094	0.044	0.016	0.012	<0.0095	<0.0095	0.011	--	--
TH-7	07/19/10	340	1.4	2.7	8.2	6.5	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	--	--
TH-10	07/19/10	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	--	--
TH-13	10/03/05	18	<0.02	6	8	16	4	8	7	1	1	0.4	0.1	<0.02	<0.02	<0.02	<0.02	--	--
	4/20/206	Well not sampled - buried under ice, monument filled																	
	09/14/06	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	03/15/07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/13/07	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	04/10/08	<0.0971	0.466	0.505	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	09/17/08	12.7	0.356	0.822	0.834	0.282	<0.100	0.318	0.562	0.192	0.240	0.126	0.138	0.104	0.106	0.124	<0.100	6.58	1.91
TH-17	10/03/05	15	<0.02	0.6	1	0.4	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	--	--
	4/20/206	Well not sampled - buried under ice, monument filled																	
	09/14/06	19	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	03/15/07	26	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/13/07	26	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	04/04/08	Well not sampled - monument underwater																	
	09/17/08	14.2	0.800	0.718	1.43	0.274	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	17.5	4.23
	09/17/08[D]	9.05	0.666	0.416	1.25	0.200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	11.8	2.43
Former Texaco 211815																			
AR-81	07/20/10	0.24	<0.0098	0.11	0.37	0.041	<0.0098	0.011	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	--	--
AR-85	07/20/10	0.018	<0.0096	<0.0096	0.010	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	--	--
MW-2	03/16/07	130	<1	3	6	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/10/07	140	1	2	7	6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
MW-3	10/03/05	140	<0.2	4	6	9	3	0.1	0.3	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	--	--
	4/20/206	100	<1	<1	2	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/12/06	120	<1	2	3	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	03/16/07	41	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/10/07	72	<1	<1	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	04/10/08	112	<0.0990	<0.0990	1.19	1.25	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	40.2
	09/17/08	53.8	<0.100	0.550	1.21	1.15	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	18.7	17.2
	09/17/08[D]	47.5	<0.100	0.522	1.14	1.13	0.268	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	17.3	14.9
	09/22/11	**<1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/03/05	390	<0.2	6	14	25	3	0.9	0.6	<0.2	<0.2	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	--	--
	4/20/206	LNAPL present - 0.32' - well not sampled																	
	09/12/06	400	3	4	12	16	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	03/16/07	LNAPL present - 0.46' - well not sampled																	
	07/20/10	430	2.0	3.4	16	26	2.9	0.66	0.51	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	--	--
	09/22/11	**260**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/20/10	21	<0.096	0.099	0.29	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	--	--
MW-7	10/03/05	31	<0.02	0.3	<0.01	0.04	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	--	--
	09/22/11	**64**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/03/05	24	<0.02	0.2	0.1	0.1	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	--	--
	07/21/10	28	<0.0097	0.021	0.031	0.015	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	--	--
	09/22/11	**<1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4
Groundwater Polycyclic Aromatic Hydrocarbons Analytical Data

Former Chevron 1001430, 418 Illinois Street
Former Texaco 211815, 401 Driveway Street
Former Unocal 306456, 328 1/2 Illinois Street
Fairbanks, Alaska

Well	Sample Date	Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	1-Methylnaphthalene	2-Methylnaphthalene
ADEC GCL		**730**	**2,200**	**2,200**	**1,500**	**11,000**	**11,000**	**1,500**	**1,100**	**1.2**	**120**	**1.2**	**12**	**0.2**	**1.2**	**0.12**	**1,100**	**150**	**150**
MW-9	10/03/05	0.2	<0.02	<0.01	<0.01	0.03	<0.02	0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	--	--
	07/21/10	0.10	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	--	--
	09/22/11	**<1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	10/03/05	2	<0.02	0.5	0.4	0.05	0.03	0.04	0.03	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	--	--
Former Unocal 306456																			
GEI-2	09/17/06	400	<10	<10	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
	09/12/07	560	<10	<10	28	19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
	04/11/08	375	<5.00	<5.00	7.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	130	182
	09/18/08	458	<5.00	<5.00	22.1	13.5	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	261	360
	09/18/08[D]	519	<5.56	<5.56	23.2	14.6	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	<5.56	290	397
	07/22/10	0.67	0.0022	0.0061	0.024	0.023	0.0034	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	--	--
GEI-3	07/21/10	0.48	<0.0025	0.014	0.030	0.029	0.0089	0.0034	0.0046	0.00088	0.0010	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	--	--
GEI-4	07/21/10	0.096	<0.0018	0.0036	0.0079	0.0018	0.0012	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	--	--
GEI-5	07/22/10	0.000096	0.000011	0.000015	<0.0000096	0.000076	0.000037	0.000099	0.000097	0.000017	0.000025	0.000024	0.000040	0.000016	<0.0000096	<0.0000096	0.000018	--	--
GEI-7	09/12/07	630	3	<1	9	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
	09/18/08	709	<11.1	<11.1	14.4	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	<11.1	564	716
	07/22/10	0.68	0.0025	0.0035	0.0097	0.0031	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	--	--
GEI-8	07/22/10	0.87	<0.0025	0.012	0.032	0.0099	0.0015	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	--	--
GEI-9	03/17/07	47	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	--	--
GEI-10	07/22/10	0.012	<0.0017	0.0061	0.0022	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	<0.00049	--	--
GEI-11	09/17/06	580	<10	<10	20	19	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
GEI-12	04/12/08	175	<0.943	<0.943	4.34	1.70	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	<0.943	166	213
	07/22/10	0.42	0.014	0.012	0.034	0.019	0.0033	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	--	--
K-5	07/22/10	0.045	<0.0027	0.0094	0.018	0.0063	0.0011	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	--	--
K-7	07/22/10	0.000013	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	--	--
MW-2	07/22/10	0.000093	<0.0000098	<0.0000098	0.000023	0.000011	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	<0.0000098	--	--
MW-3	07/22/10	0.000025	<0.0000098	0.000035	<0.0000098	0.000054	0.000080	0.000052	0.000068	0.000017	0.000083	<0.0000098	0.000012	<0.0000098	<0.0000098	<0.0000098	<0.0000098	--	--
MW-4	07/22/10	0.000011	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	--	--
	09/23/11	**<1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/22/10	0.38	0.0059	0.011	0.037	0.044	0.010	0.0053	0.0063	0.00099	0.0012	0.00061	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	--	--
MW-6	07/22/10	0.00060	<0.000010	0.000034	0.000081	0.00018	0.000024	0.00020	0.00017	0.000019	0.000063	0.000026	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	--	--
MW-14	09/22/10	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/23/11	**2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

All results are reported in micrograms per liter (µg/L)

PAH = Polynuclear Aromatic Hydrocarbons; analyzed using EPA Method 8270C

Naphthalene by EPA 8260B

GCL = ADEC 18 AAC 75 Groundwater Cleanup Level

Highlighted concentrations are greater than the applicable ADEC GCL.

Highlighted concentrations are greater than the applic

Bold Type = Results of most recent sampling event

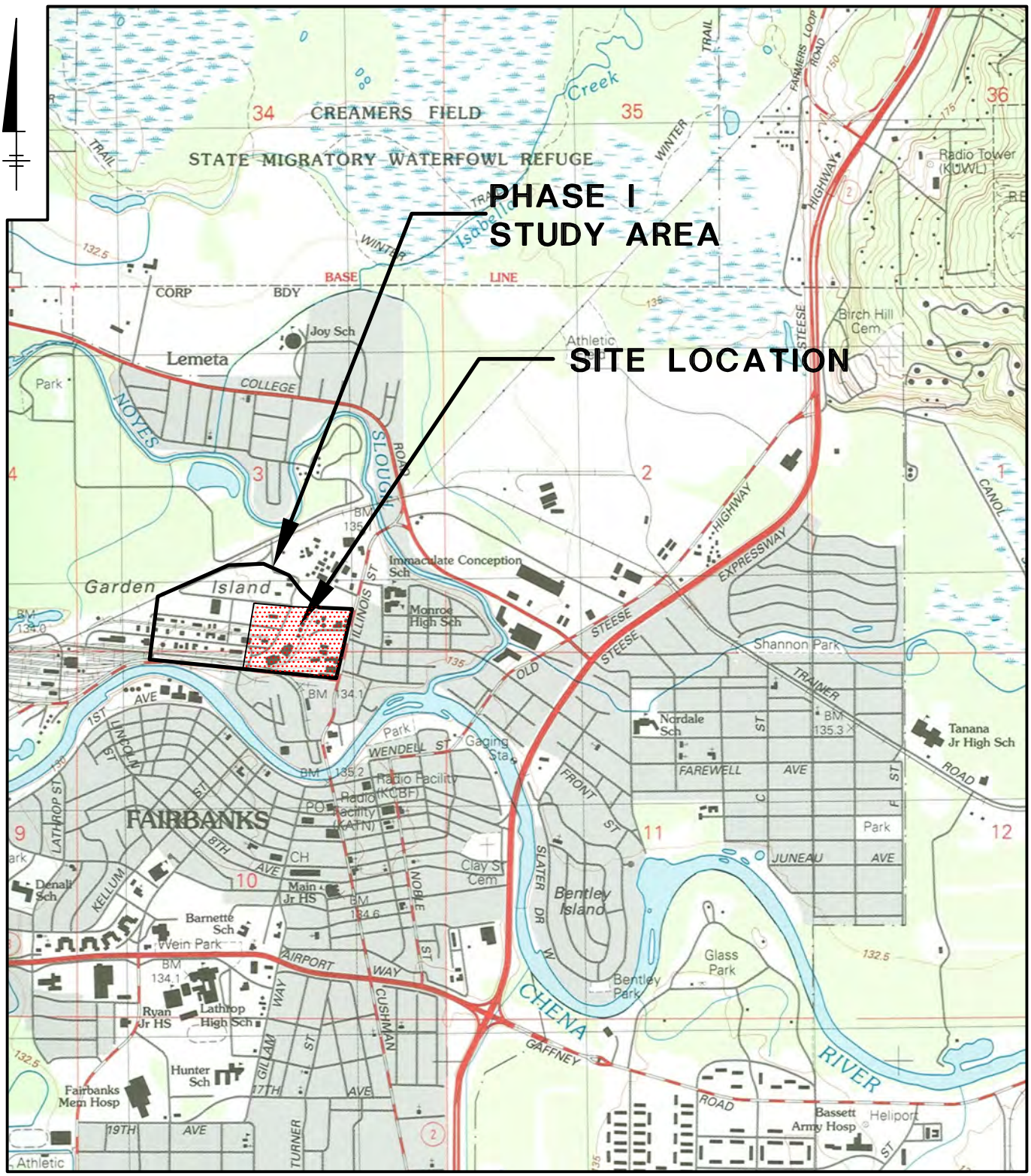
[D]= duplicate sample

-- = sample was not analyzed for this compound

<25 = result did not exceed indicated method reporting limit; an elevated reporting limit indicates sample was diluted

ARCADIS

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: FAIRBANKS (D–2) SE, AK., 1992, FAIRBANKS NORTH STAR BOROUGH, SECTION: 3, TOWNSHIP: 1S, RANGE: 1W

0 2000' 4000'

APPROXIMATE GRAPHIC SCALE

FORMER CHEVRON TERMINAL 1001430 - 418 ILLINOIS ST.
FORMER TEXACO BULK TERMINAL 211815 - 410 DRIVEWAY ST.
FORMER UNOCAL BULK TERMINAL 306456 - 328.5 ILLINOIS ST.
FAIRBANKS, ALASKA

ANNUAL 2011 GROUNDWATER MONITORING REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

CITY:TMAPA,FL DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:M.Strickler TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\TAMPA\ACT\Chevron\USA\FAIR Site\45506.0005\00022SA GMR 2011\B0045506N01.dwg LAYOUT: 1SAVED: 12/21/2011 6:24 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 12/23/2011 10:18 AM BY: RICHARDS, JIM
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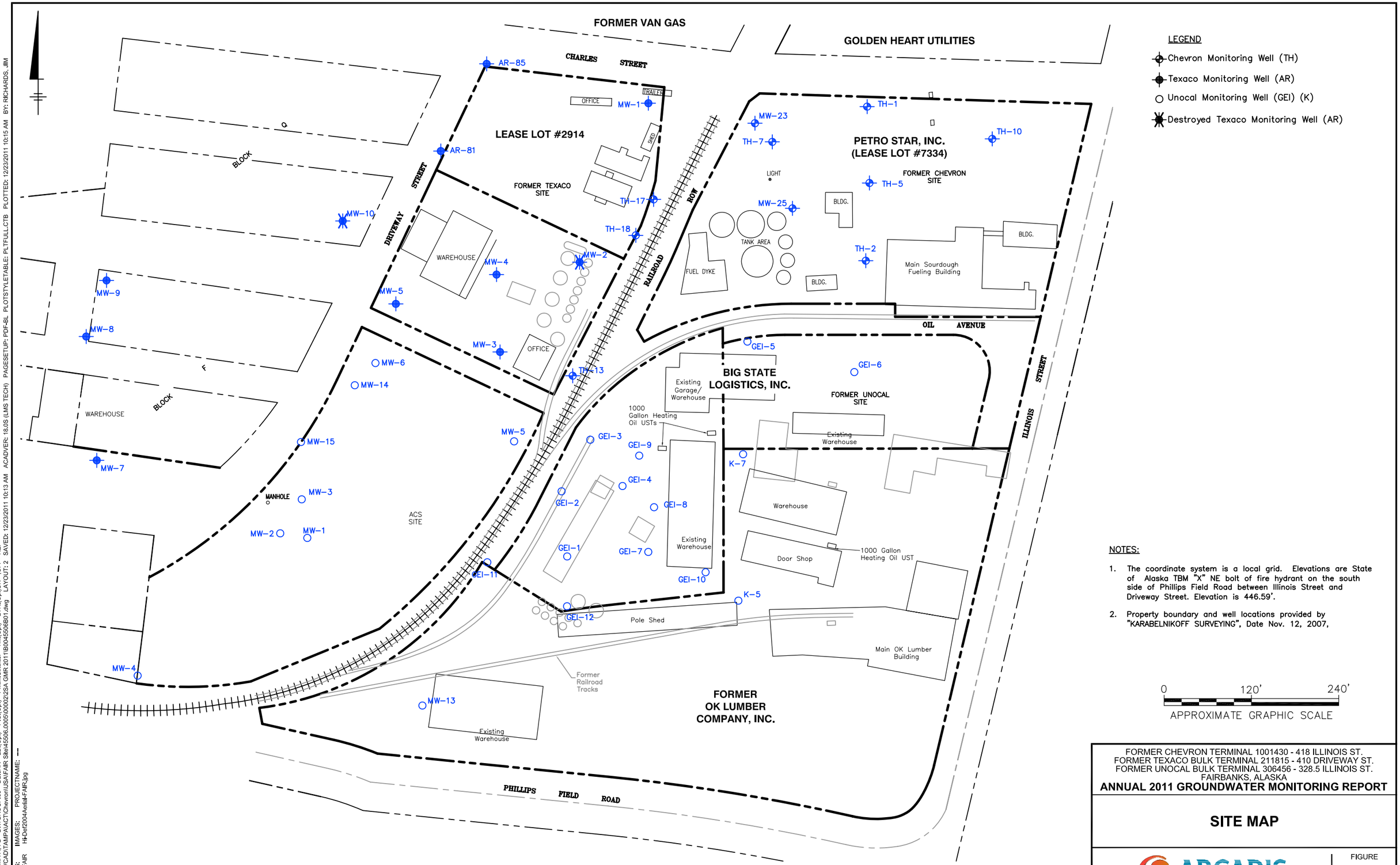
ALASKA.jpg
Fairbanks-SE.jpg



LEGEND

- Chevron Monitoring Well (TH)
- Texaco Monitoring Well (AR)
- Unocal Monitoring Well (GEI) (K)
- Destroyed Texaco Monitoring Well (AR)

NOTES:

1. The coordinate system is a local grid. Elevations are State of Alaska TBM "X" NE bolt of fire hydrant on the south side of Phillips Field Road between Illinois Street and Driveway Street. Elevation is 446.59'.
2. Property boundary and well locations provided by "KARABELNIKOFF SURVEYING", Date Nov. 12, 2007,

0 120' 240'

APPROXIMATE GRAPHIC SCALE

FORMER CHEVRON TERMINAL 1001430 - 418 ILLINOIS ST.
FORMER TEXACO BULK TERMINAL 211815 - 410 DRIVEWAY ST.
FORMER UNOCAL BULK TERMINAL 306456 - 328.5 ILLINOIS ST.
FAIRBANKS, ALASKA

ANNUAL 2011 GROUNDWATER MONITORING REPORT

SITE MAP

ARCADIS

FIGURE 2

CITY:TMA-FL DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:M.Strickler TM:(Opt) LYR:(Opt)ON=*OFF=*REF*
G:\ENVCAD\TAMPA\ACTIChevron\USA\FAIR Site\45506.0005\000022\SA GMR 2011\B0045506B01.dwg LAYOUT: 2 SAVED: 12/23/2011 10:13 AM BY: RICHARDS, JIM
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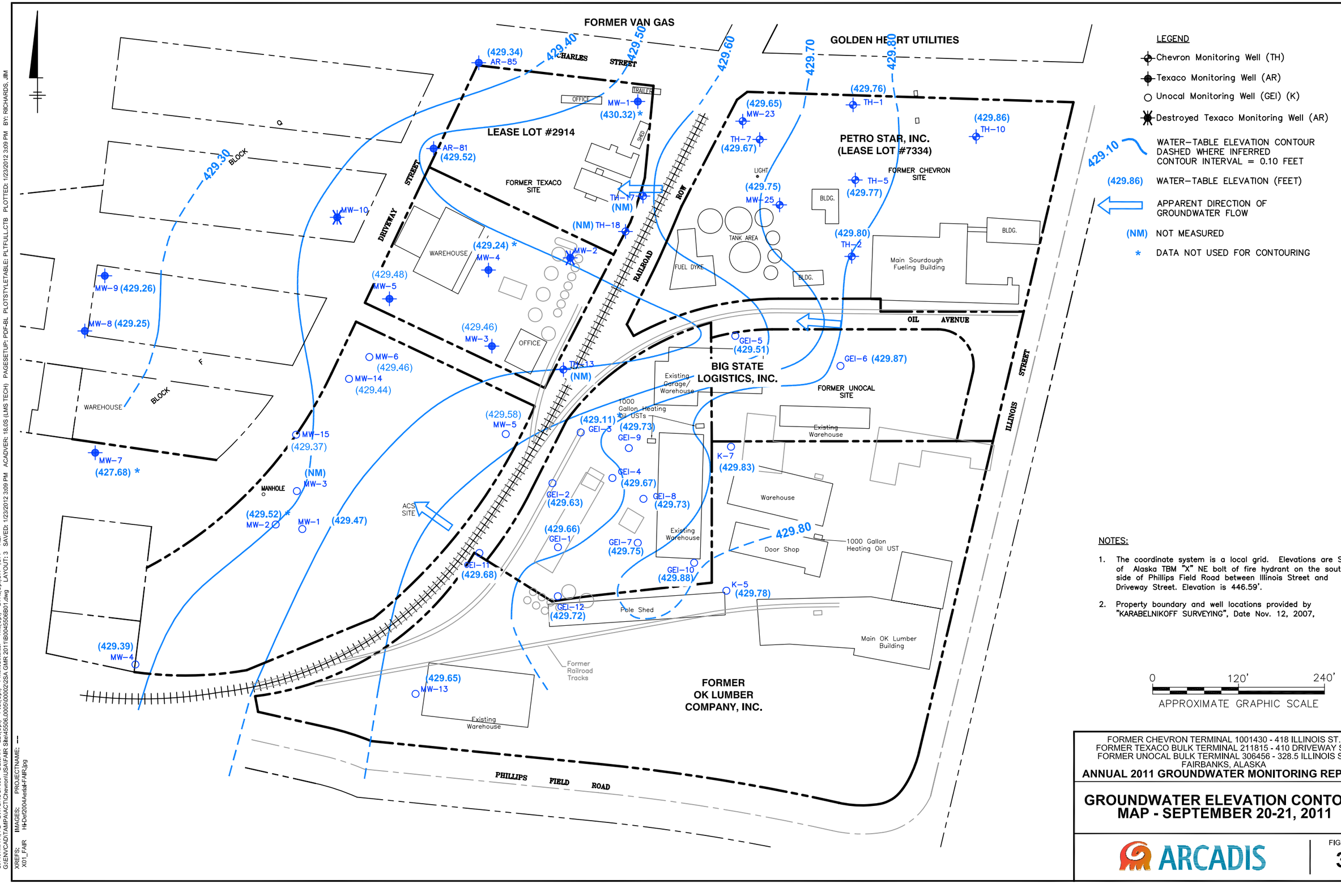
X01_FAIR HHDef2004Aerial-FAIR.jpg



LEGEND

- Chevron Monitoring Well (TH)
- Texaco Monitoring Well (AR)
- Unocal Monitoring Well (GEI) (K)
- Destroyed Texaco Monitoring Well (AR)
- 429.10 — WATER-TABLE ELEVATION CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL = 0.10 FEET
- (429.86) — WATER-TABLE ELEVATION (FEET)
- APPARENT DIRECTION OF GROUNDWATER FLOW
- (NM) — NOT MEASURED
- * — DATA NOT USED FOR CONTOURING

NOTES:

1. The coordinate system is a local grid. Elevations are State of Alaska TBM "X" NE bolt of fire hydrant on the south side of Phillips Field Road between Illinois Street and Driveway Street. Elevation is 446.59'.
2. Property boundary and well locations provided by "KARABELNIKOFF SURVEYING", Date Nov. 12, 2007,

0 120' 240'

APPROXIMATE GRAPHIC SCALE

FORMER CHEVRON TERMINAL 1001430 - 418 ILLINOIS ST.
FORMER TEXACO BULK TERMINAL 211815 - 410 DRIVEWAY ST.
FORMER UNOCAL BULK TERMINAL 306456 - 328.5 ILLINOIS ST.
FAIRBANKS, ALASKA

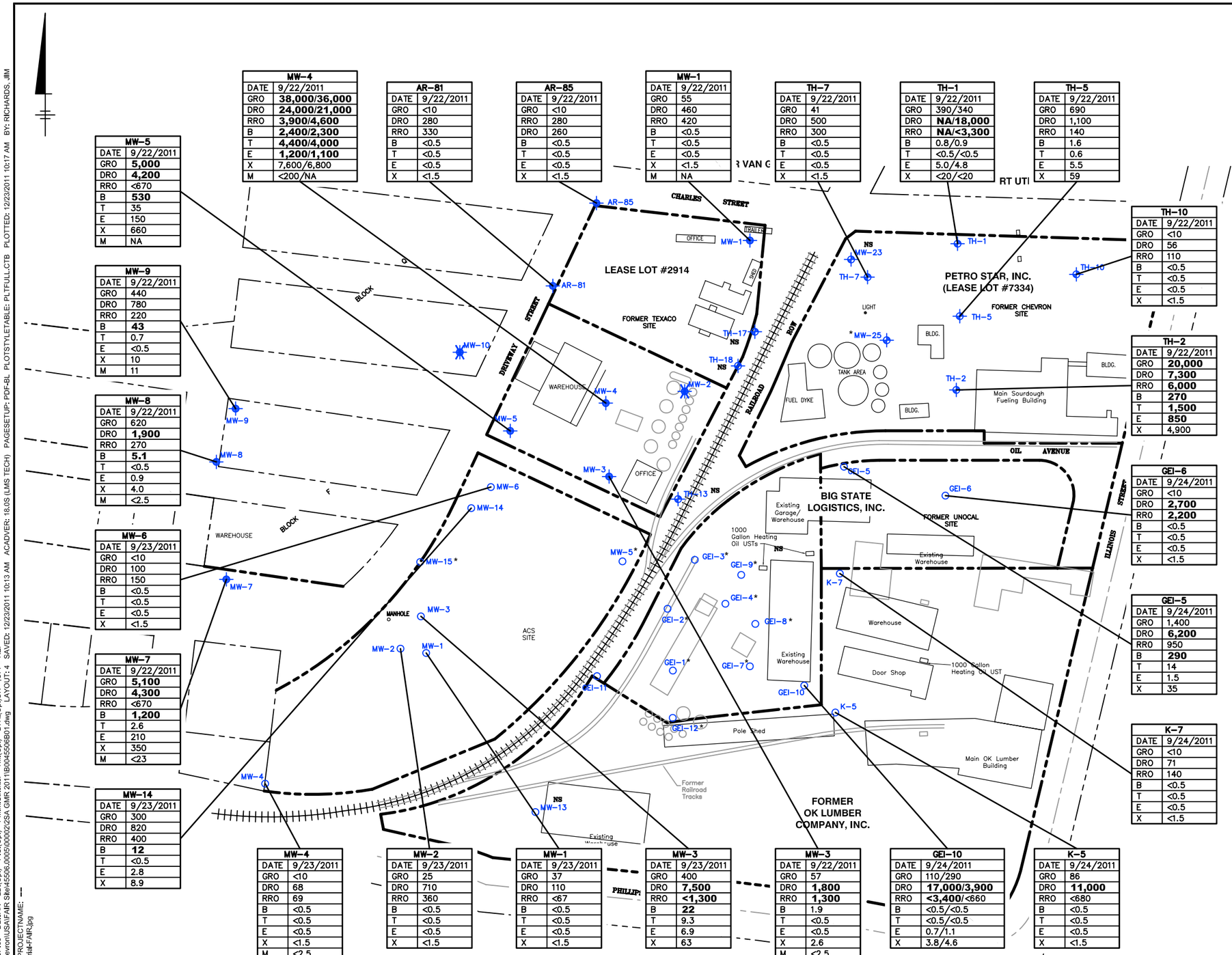
ANNUAL 2011 GROUNDWATER MONITORING REPORT

GROUNDWATER ELEVATION CONTOUR MAP - SEPTEMBER 20-21, 2011

ARCADIS

FIGURE 3

CITY:TMA-A_FL DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:MStrickler TM:(Opt) LYR:(Opt)ON=*OFF=*REF* G:\ENVCAD\TAMPA\ACTIChevron\USA\FAIR Site\45506.0005\000022\SA GMR 2011\B0045506B01.dwg LAYOUT: 3 SAVED: 1/23/2012 3:09 PM ACADVER: 18.0S (LMS TECH) PAGESETUP: PDF-BL PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/23/2012 3:09 PM BY: RICHARDS, JIM
XREFS: IMAGES: PROJECTNAME: ---
X01_FAIR HHDef2004Aerial-FAIR.jpg



LEGEND

- Chevron Monitoring Well (TH)
- Texaco Monitoring Well (AR)
- Unocal Monitoring Well (GEI) (K)
- Destroyed Texaco Monitoring Well (AR)

SAMPLE LOCATION	
DATE	SAMPLE DATE
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS
RRO	RESIDUAL RANGE ORGANICS
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER

RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L)

220/210 = DUPLICATE SAMPLE COLLECTED

BOLD VALUE INDICATES CONCENTRATION GREATER THAN ADEC GROUNDWATER CLEANUP LEVELS 18 AAC 75.

* = GROUNDWATER SAMPLES WERE NOT COLLECTED DUE TO THE PRESENCE OF LNAPL

NS = SAMPLE COULD NOT BE COLLECTED FROM THE MONITORING WELL

NA = NOT ANALYZED

< = LESS THAN REPORTING LIMIT

NOTES:

1. The coordinate system is a local grid. Elevations are State of Alaska TBM "X" NE bolt of fire hydrant on the south side of Phillips Field Road between Illinois Street and Driveway Street. Elevation is 446.59'.
2. Property boundary and well locations provided by "KARABELNIKOFF SURVEYING", Date Nov. 12, 2007,

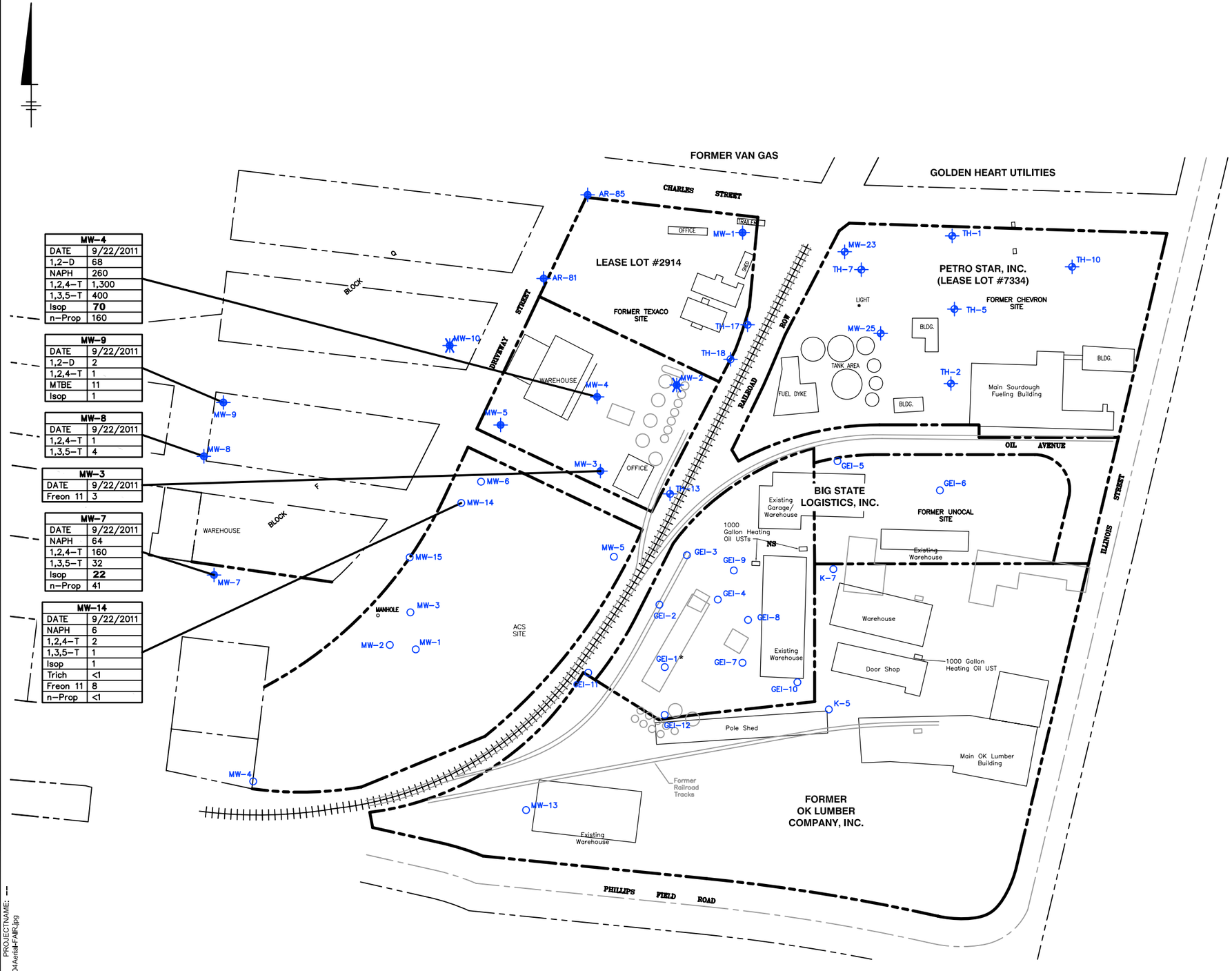
FORMER CHEVRON TERMINAL 1001430 - 418 ILLINOIS ST.
FORMER TEXACO BULK TERMINAL 211815 - 410 DRIVEWAY ST.
FORMER UNOCAL BULK TERMINAL 306456 - 328.5 ILLINOIS ST.
FAIRBANKS, ALASKA

ANNUAL 2011 GROUNDWATER MONITORING REPORT

GROUNDWATER ANALYTICAL RESULTS SEPTEMBER 2011

ARCADIS

FIGURE 4



MW-4	
DATE	9/22/2011
1,2-D	68
NAPH	260
1,2,4-T	1,300
1,3,5-T	400
Isop	**70**
n-Prop	160

MW-9	
DATE	9/22/2011
1,2-D	2
1,2,4-T	1
MTBE	11
Isop	1

MW-8	
DATE	9/22/2011
1,2,4-T	1
1,3,5-T	4

MW-3	
DATE	9/22/2011
Freon 11	3

MW-7	
DATE	9/22/2011
NAPH	64
1,2,4-T	160
1,3,5-T	32
Isop	**22**
n-Prop	41

MW-14	
DATE	9/22/2011
NAPH	6
1,2,4-T	2
1,3,5-T	1
Isop	1
Trich	<1
Freon 11	8
n-Prop	<1

LEGEND

- Chevron Monitoring Well (TH)
- Texaco Monitoring Well (AR)
- Unocal Monitoring Well (GEI) (K)
- Destroyed Texaco Monitoring Well (AR)

SAMPLE LOCATION	
DATE	SAMPLE DATE
1,2-D	1,2-Dichloroethane
NAPH	Naphthalene
1,2,4-T	1,2,4-trimethylbenzene
1,3,5-T	1,3,5-trimethylbenzene
MTBE	Methyl Tertiary Butyl Ether
Isop	Isopropylbenzene
Trich	Trichloroethene (Trichloroethylene)
Freon 11	Trichlorofluoromethane
n-Prop	n-Propylbenzene

ALL RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L)

220/210 = DUPLICATE SAMPLE COLLECTED

BOLD VALUE INDICATES CONCENTRATION GREATER THAN ADEC GROUNDWATER CLEANUP LEVELS 18 AAC 75.

= GROUNDWATER SAMPLES WERE NOT COLLECTED DUE TO THE PRESENCE OF LNAPL

< = LESS THAN REPORTING LIMIT

NOTES:

1. The coordinate system is a local grid. Elevations are State of Alaska TBM "X" NE bolt of fire hydrant on the south side of Phillips Field Road between Illinois Street and Driveway Street. Elevation is 446.59'.
2. Property boundary and well locations provided by "KARABELNIKOFF SURVEYING", Date Nov. 12, 2007,

0 150' 300'

GRAPHIC SCALE

FORMER CHEVRON TERMINAL 1001430 - 418 ILLINOIS ST.
FORMER TEXACO BULK TERMINAL 211815 - 410 DRIVEWAY ST.
FORMER UNOCAL BULK TERMINAL 306456 - 328.5 ILLINOIS ST.
FAIRBANKS, ALASKA

ANNUAL 2011 GROUNDWATER MONITORING REPORT

GROUNDWATER ANALYTICAL RESULTS VOCs AND PAHs - SEPTEMBER 2011

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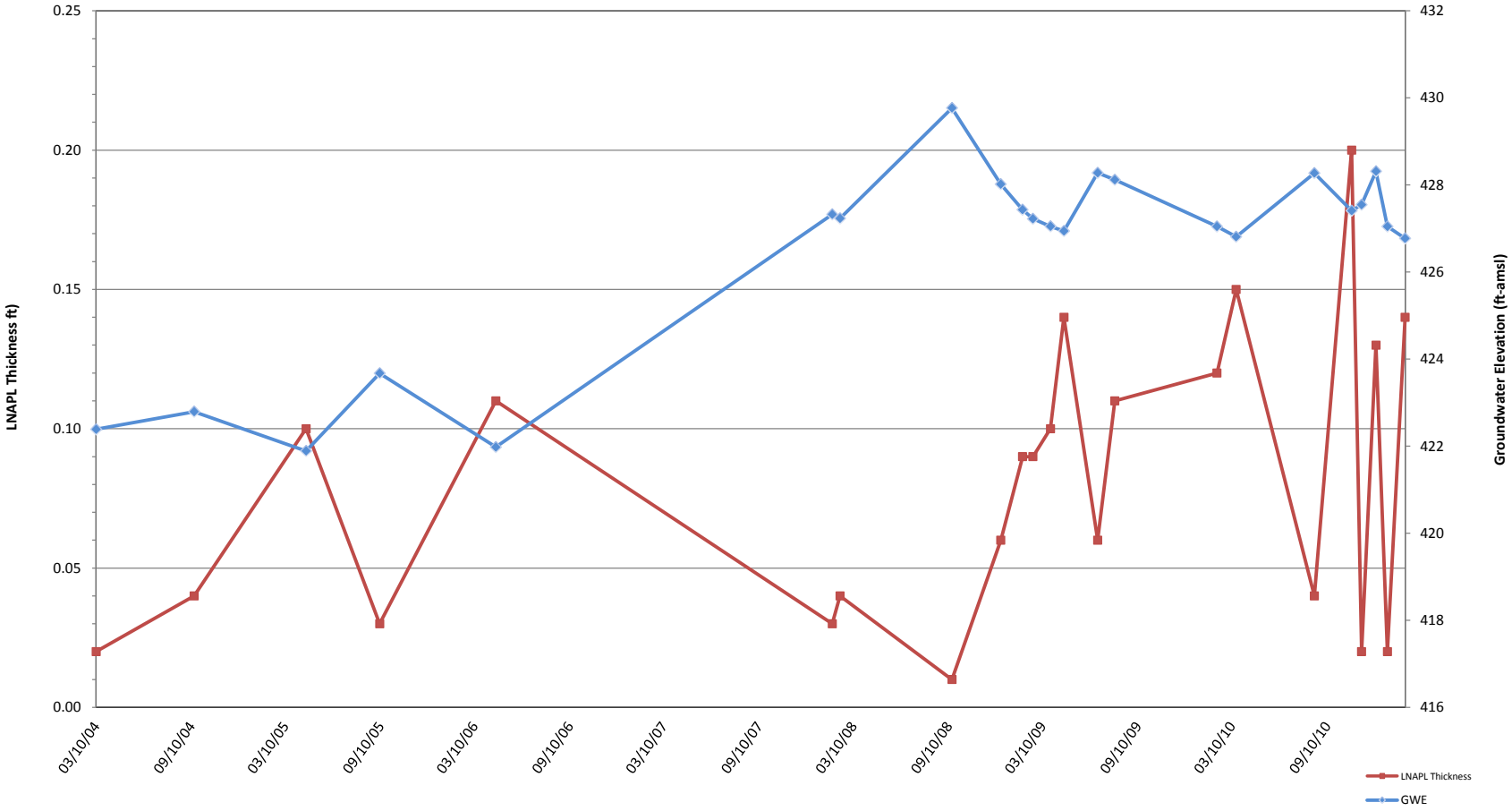
FIGURE 5



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER CHEVRON TERMINAL 1001430
328.5 ILLINOIS ST, FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-2 Historical Groundwater Elevation and LNAPL Thickness

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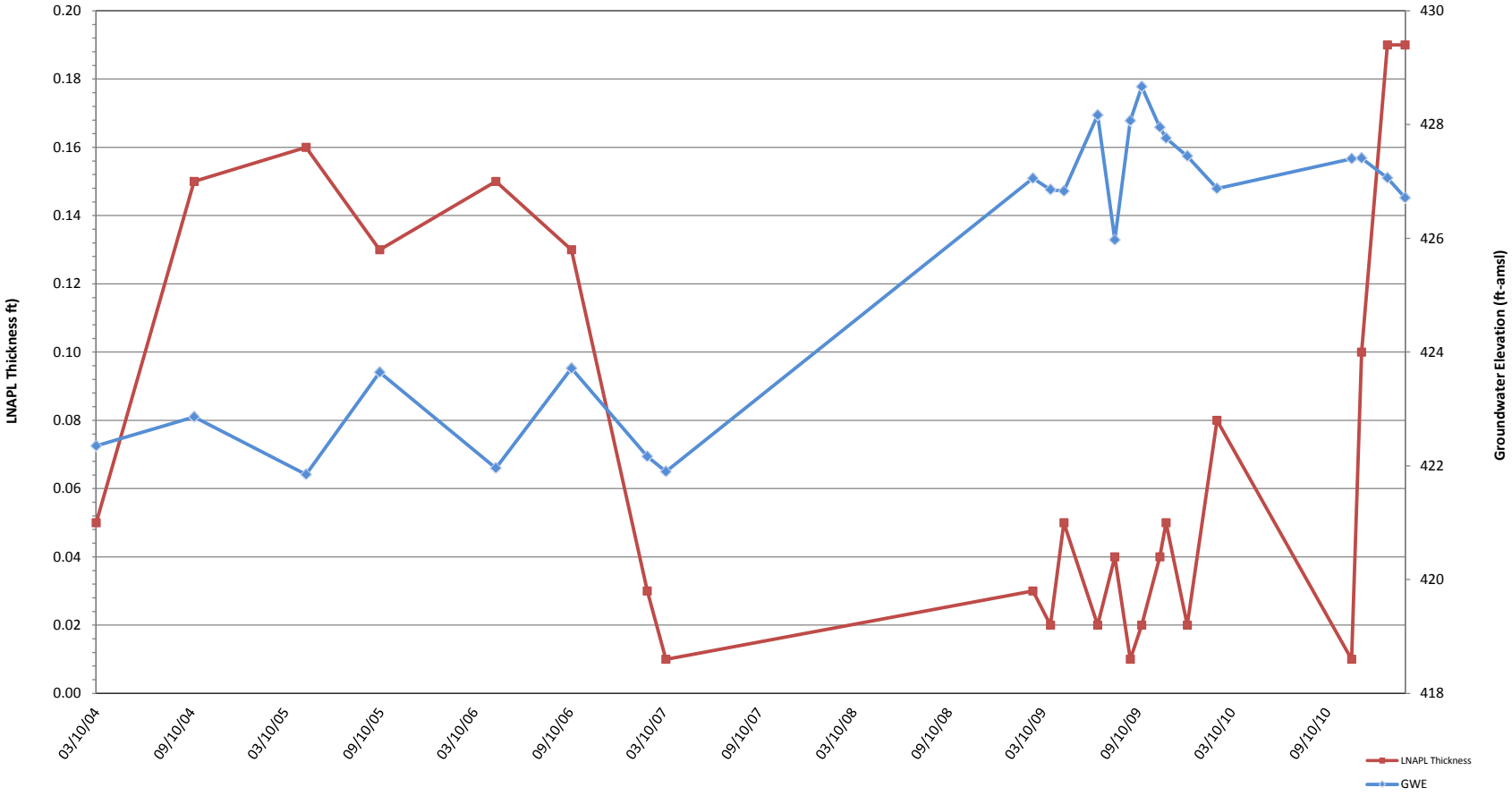
FIGURE
A-1



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid

ft-amsl = Feet above mean sea level

FORMER CHEVRON TERMINAL 1001430
328.5 ILLINOIS ST. FAIRBANKS. ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well MW-25 Historical Groundwater Elevation and LNAPL Thickness

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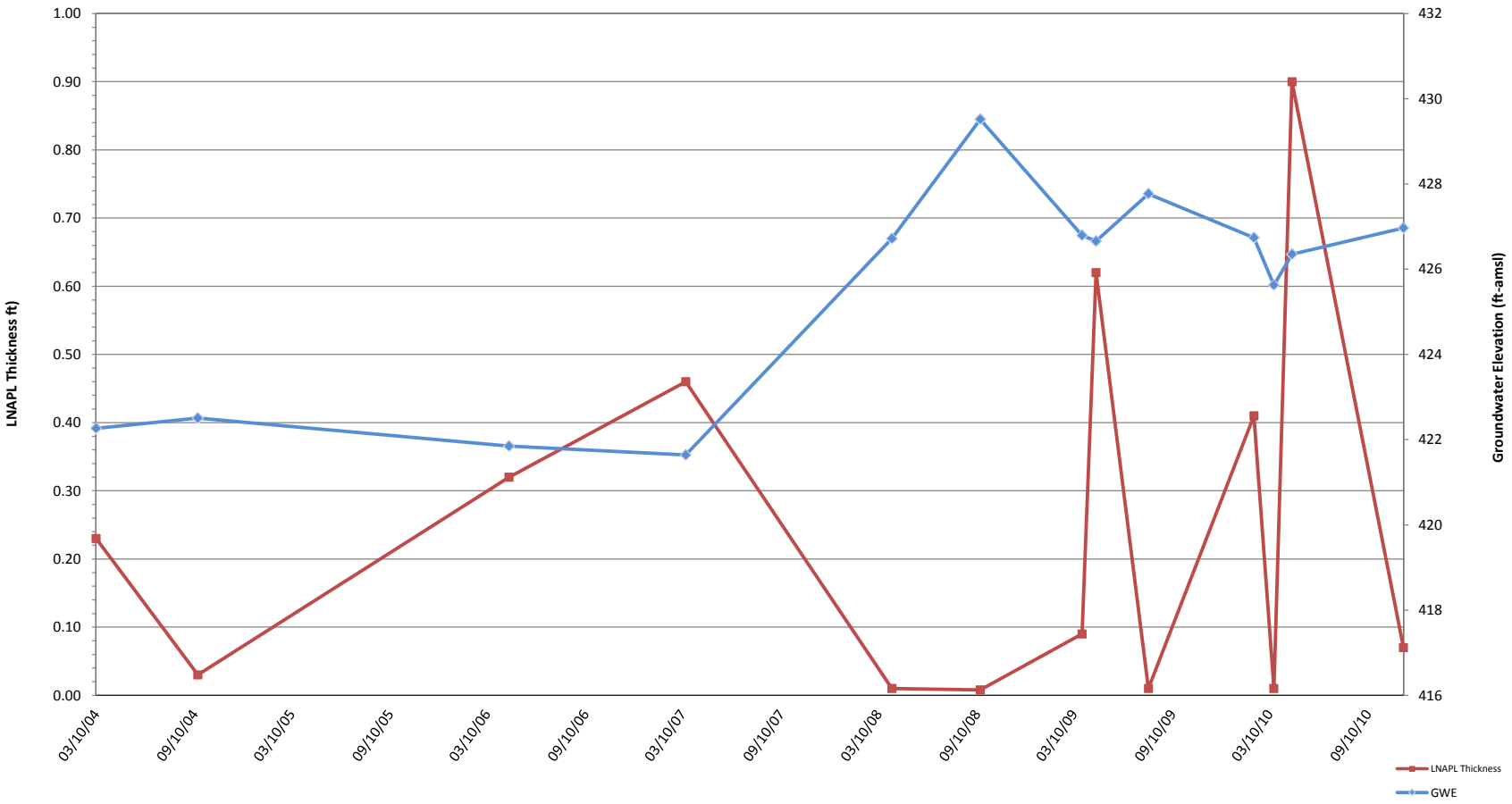
FIGURE
A-2



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER TEXACO TERMINAL 211815
328.5 ILLINOIS ST. FAIRBANKS. ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well MW-4 Historical Groundwater Elevation and LNAPL Thickness

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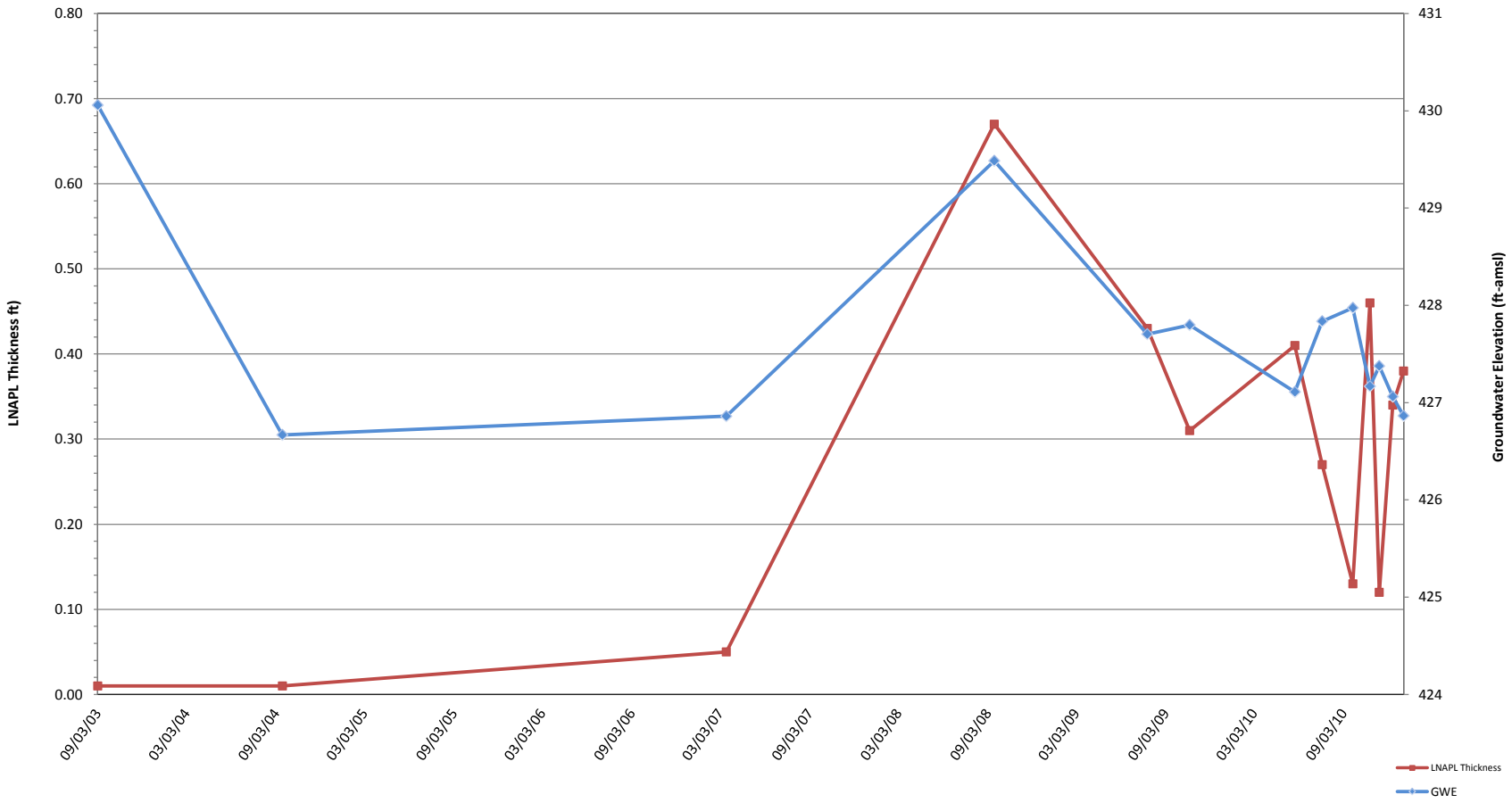
FIGURE
A-3



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER UNOCAL TERMINAL 306456
328.5 ILLINOIS ST. FAIRBANKS. ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-1 Historical Groundwater Elevation and LNAPL Thickness

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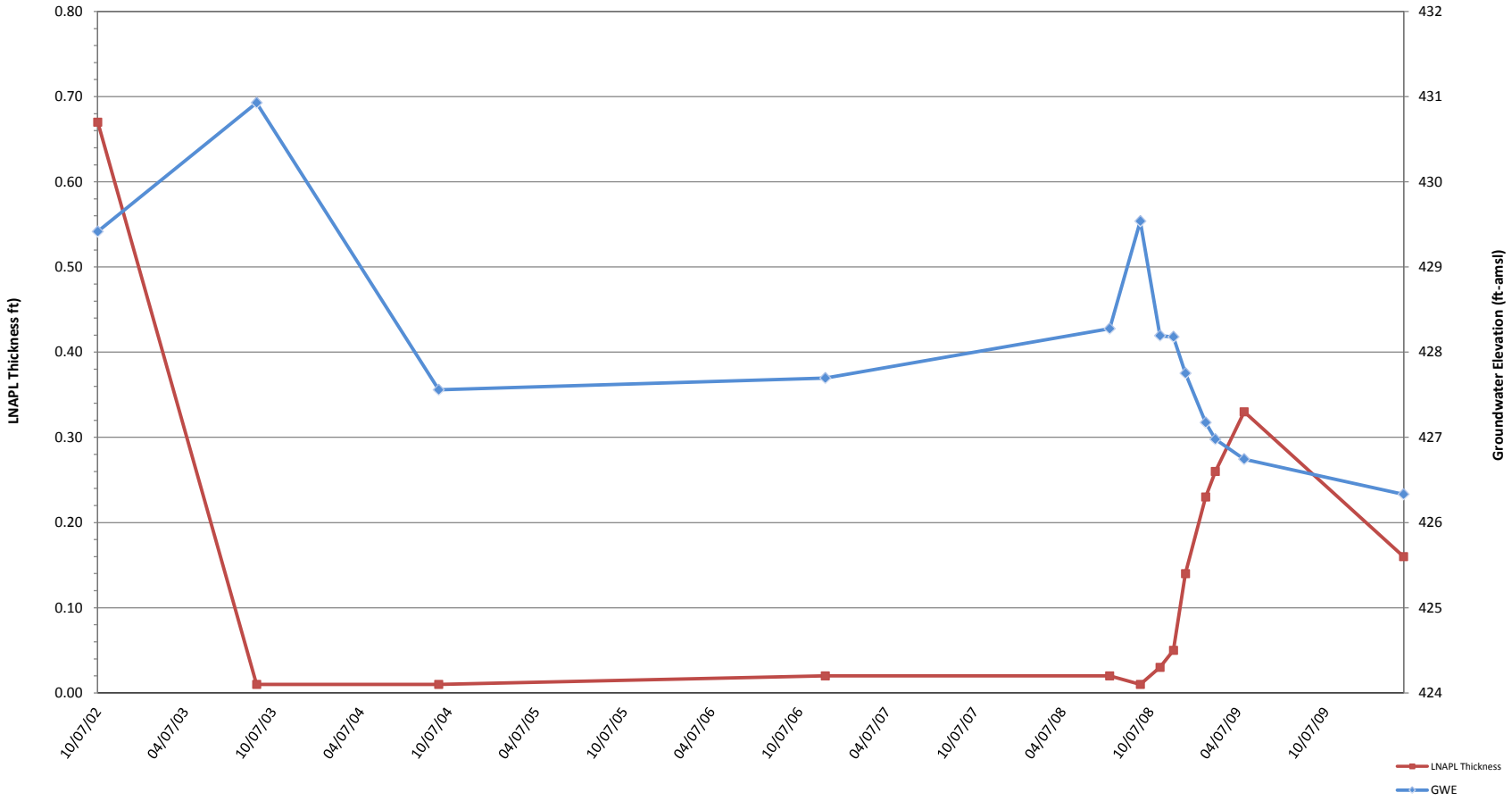
FIGURE
A-4



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER UNOCAL TERMINAL 306456
328.5 ILLINOIS ST. FAIRBANKS. ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-4 Historical Groundwater Elevation and LNAPL Thickness

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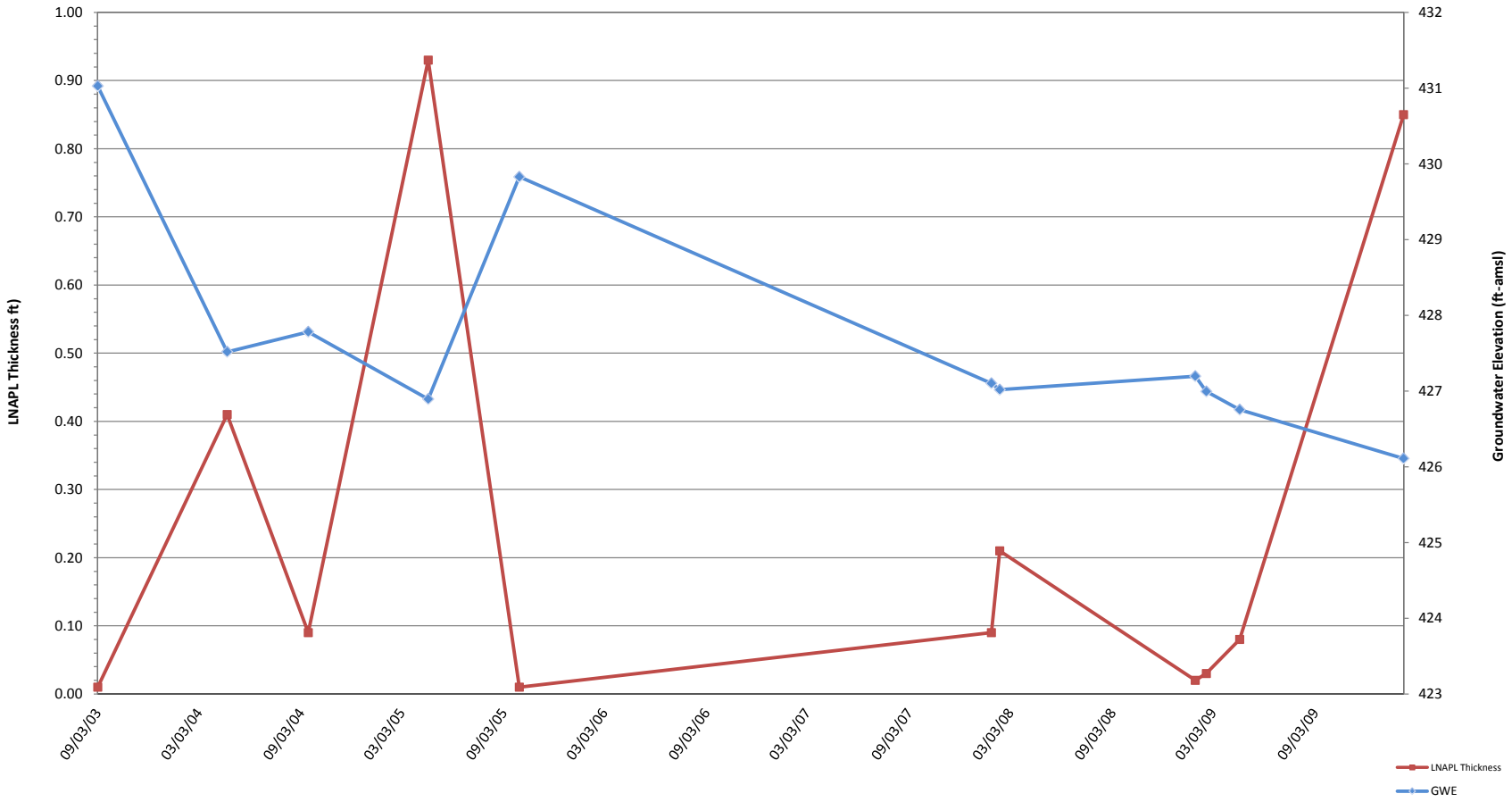
FIGURE
A-5



LEGEND:
LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER UNOCAL TERMINAL 306456
328.5 ILLINOIS ST, FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-7 Historical Groundwater Elevation and LNAPL Thickness

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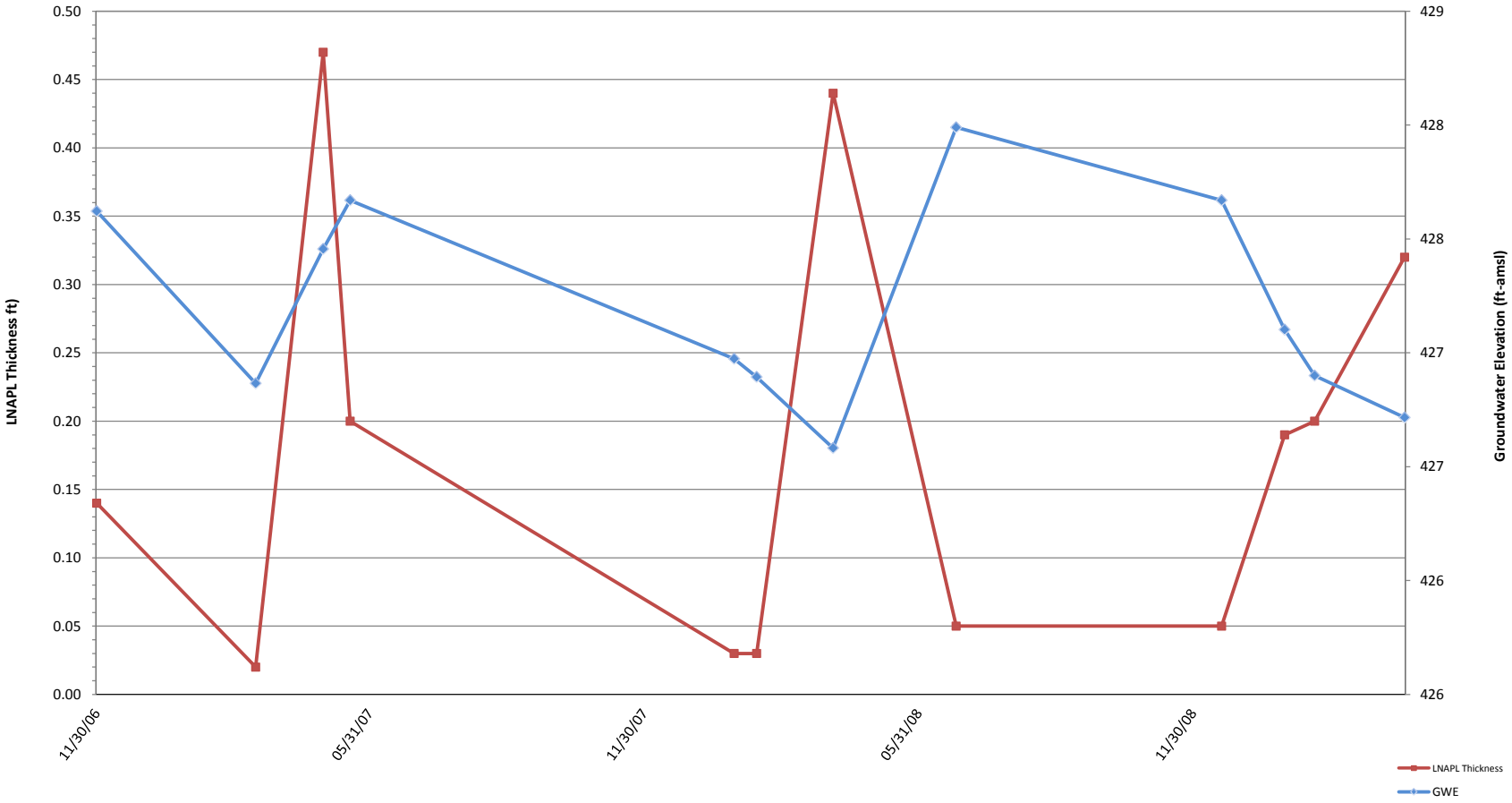
FIGURE
A-6



LEGEND:

LNAPL = Light Non-Aqueous Phase Liquid
ft-amsl = Feet above mean sea level

FORMER UNOCAL TERMINAL 306456
328.5 ILLINOIS ST, FAIRBANKS, ALASKA

ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-11 Historical Groundwater Elevation and LNAPL Thickness

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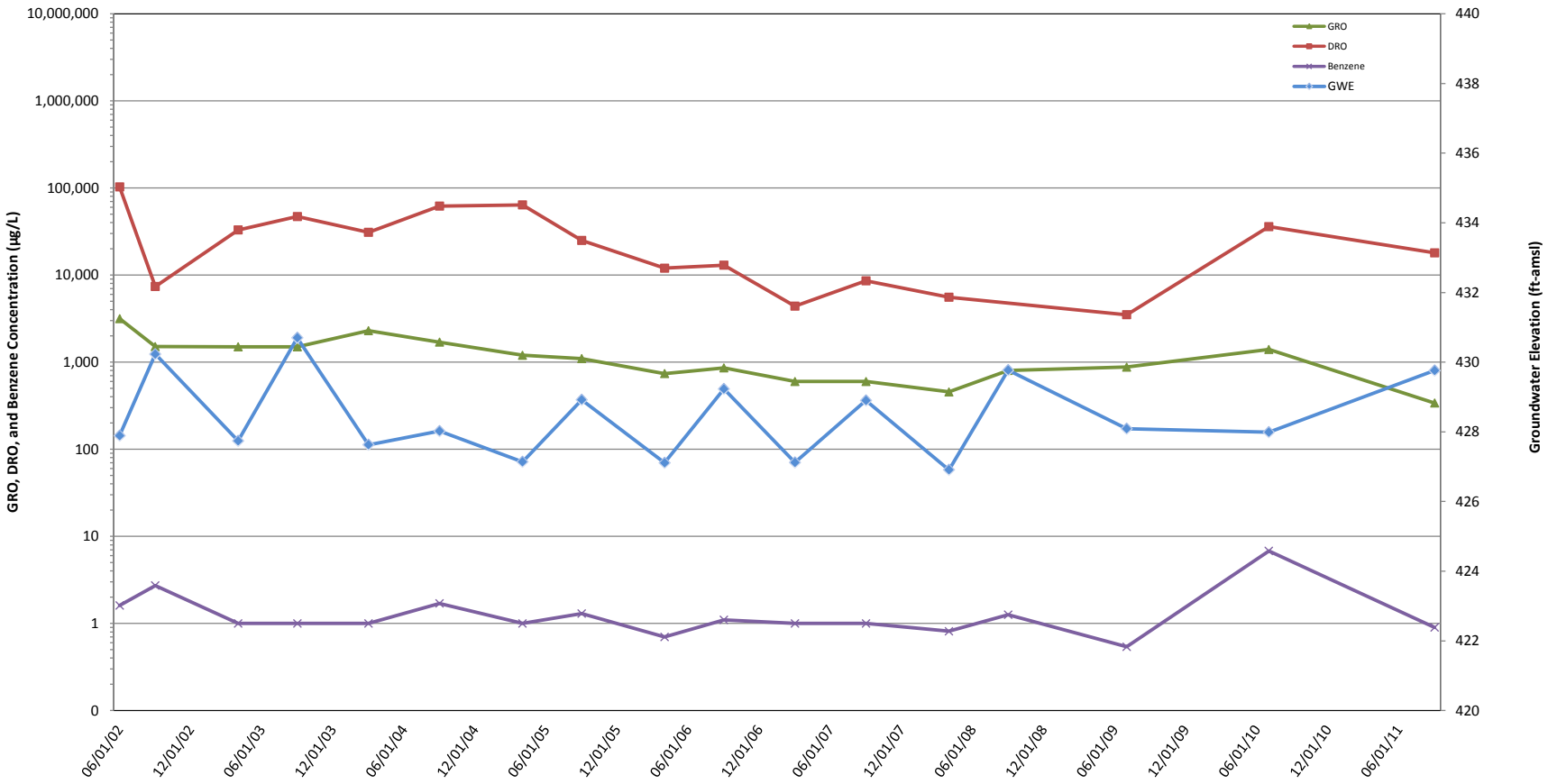
FIGURE
A-7



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST. FAIRBANKS. ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-1 Historical Groundwater Elevation and Analytical Data

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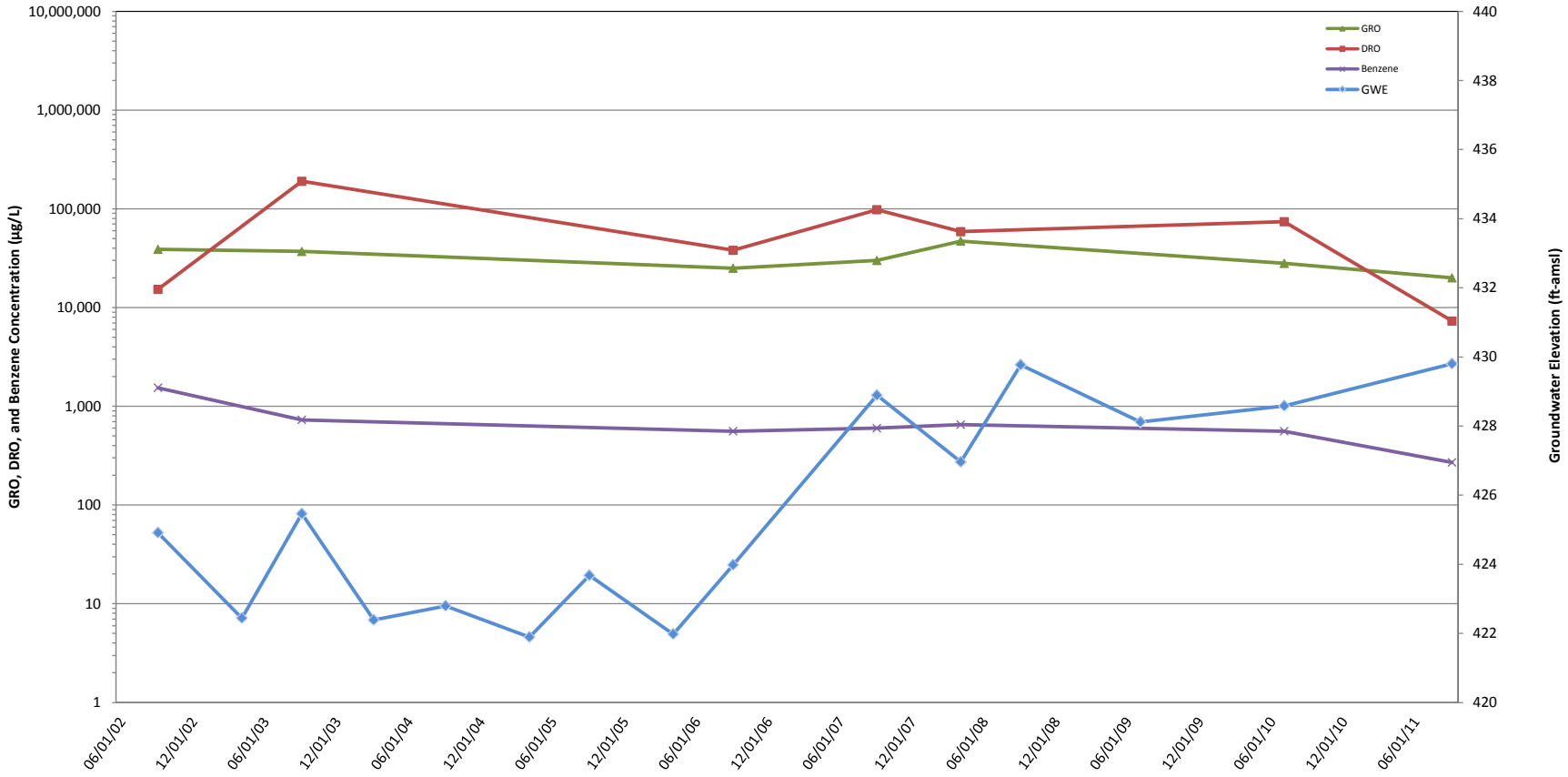
FIGURE
B-1



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ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST. FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-2 Historical Groundwater Elevation and Analytical Data

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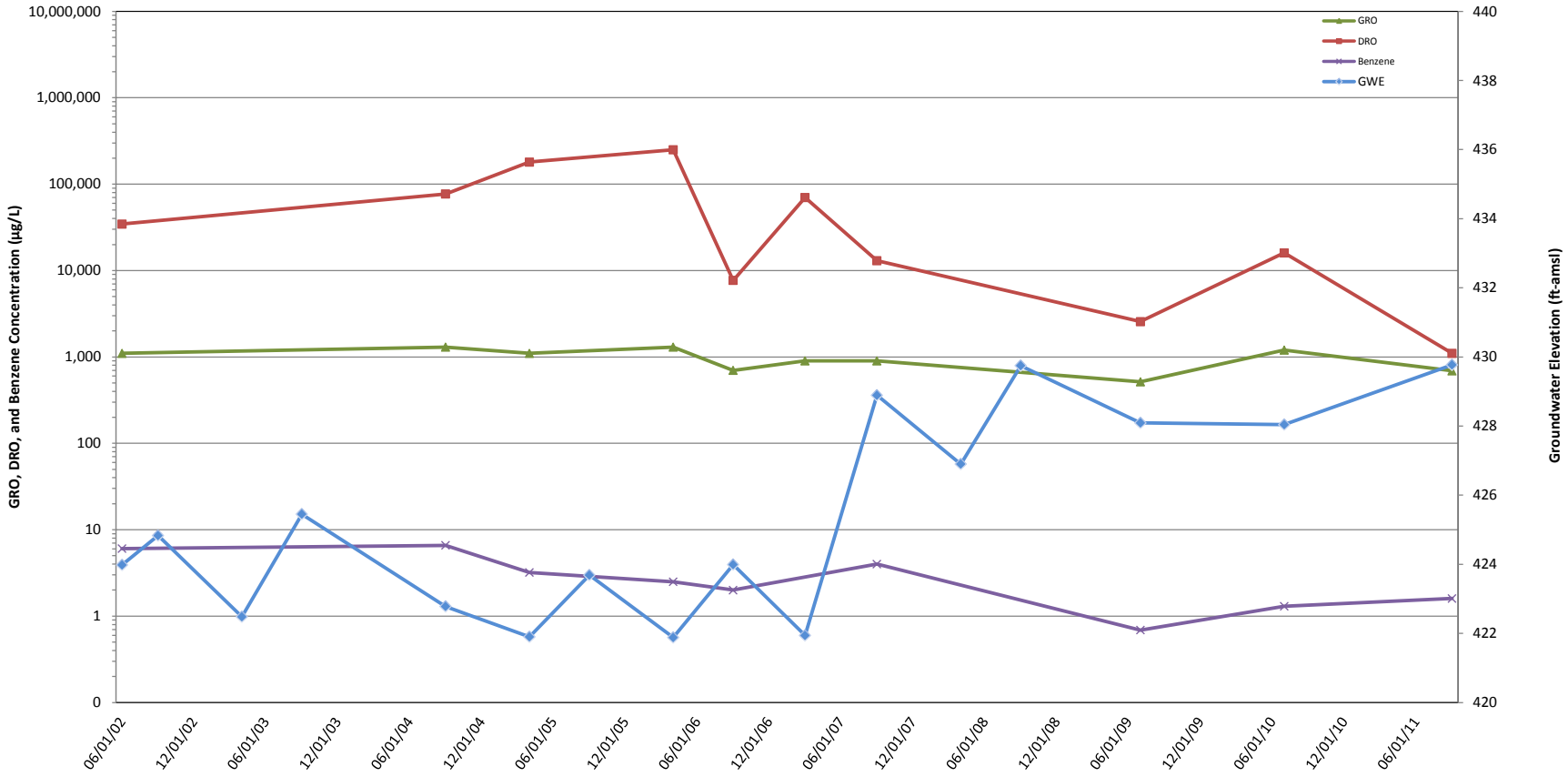
FIGURE
B-2



LEGEND:

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µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST. FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-5 Historical Groundwater Elevation and Analytical Data

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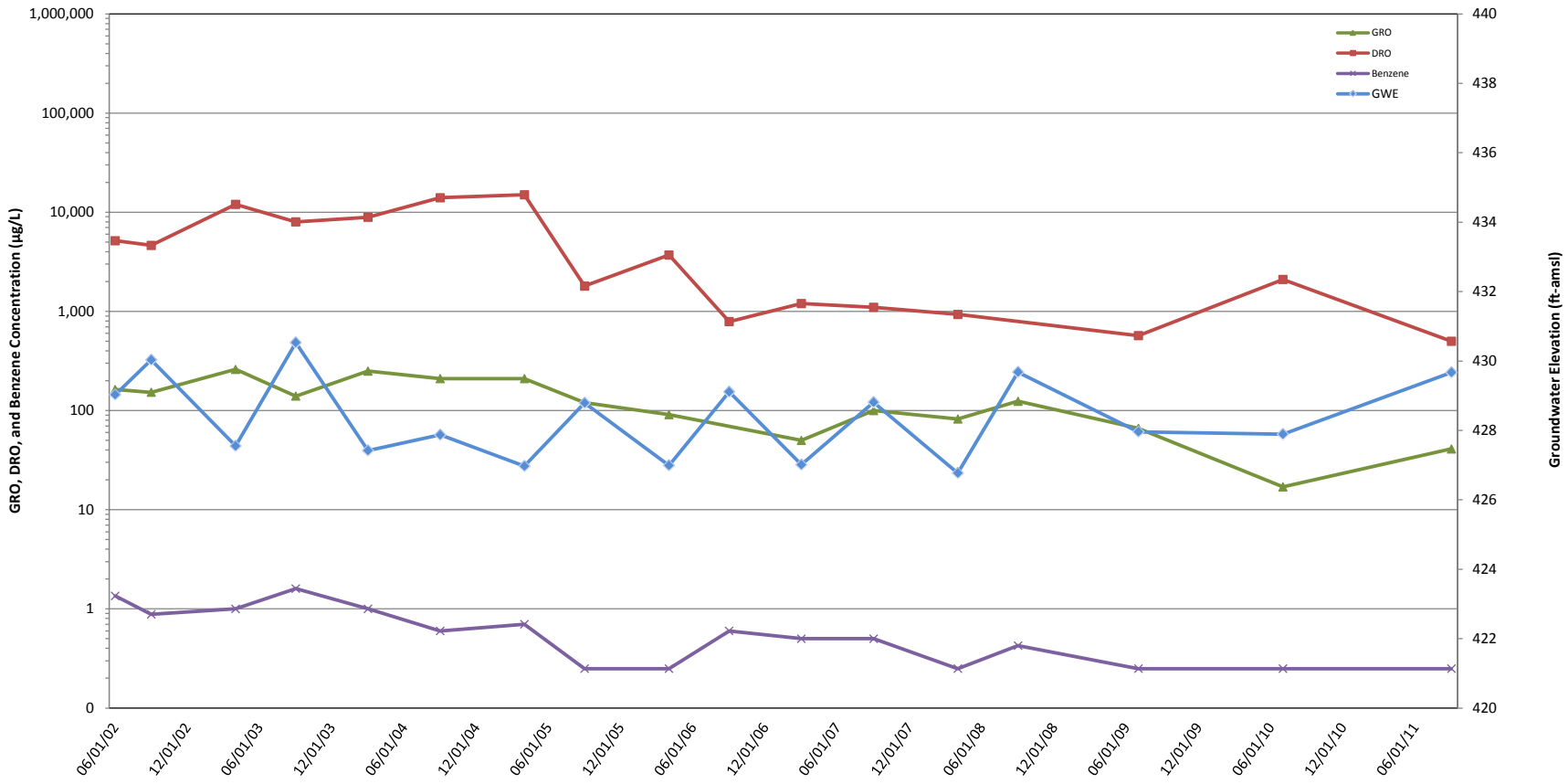
FIGURE
B-3



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST, FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-7 Historical Groundwater Elevation and Analytical Data

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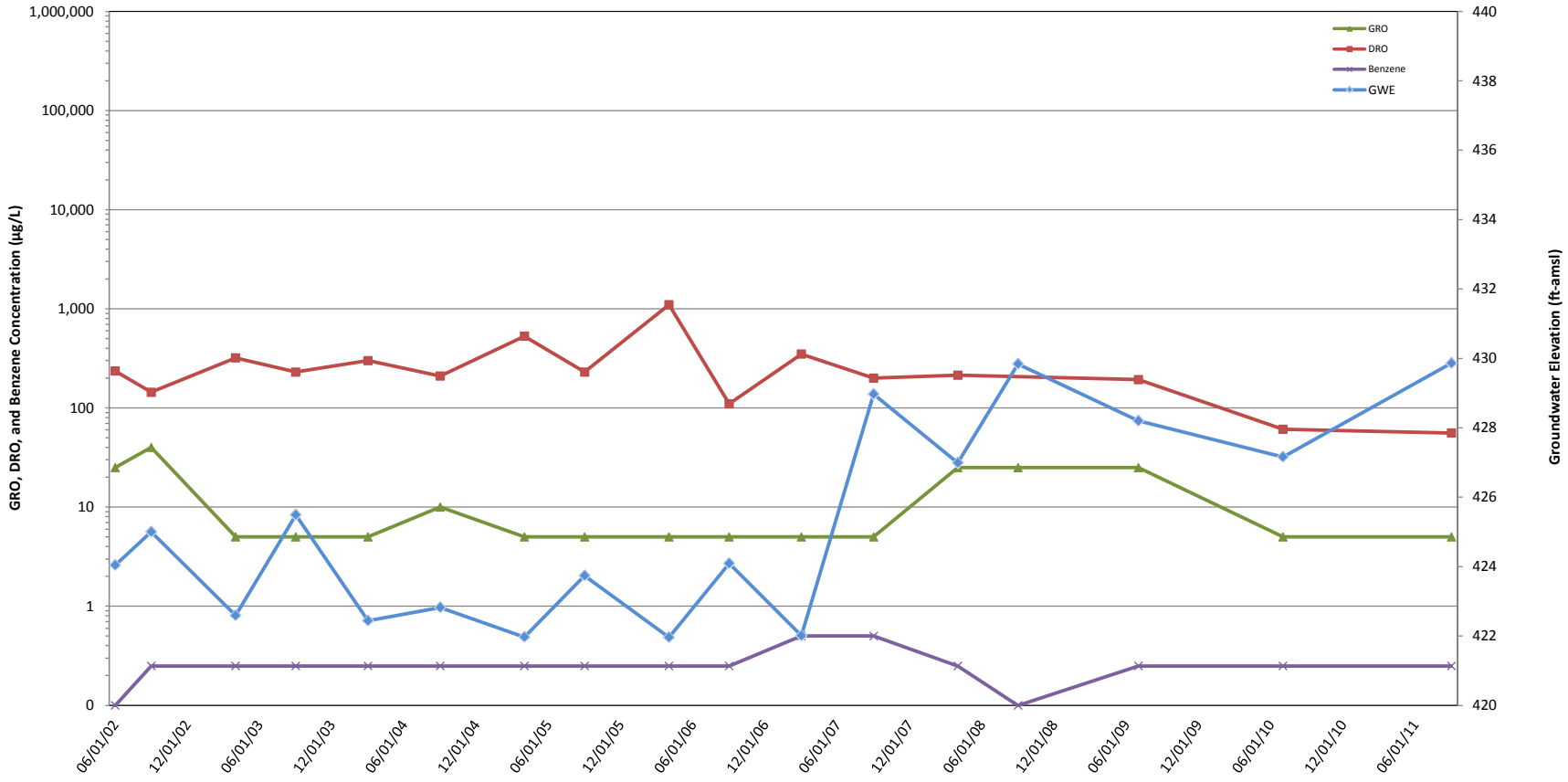
FIGURE
B-4



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST. FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-10 Historical Groundwater Elevation and Analytical Data

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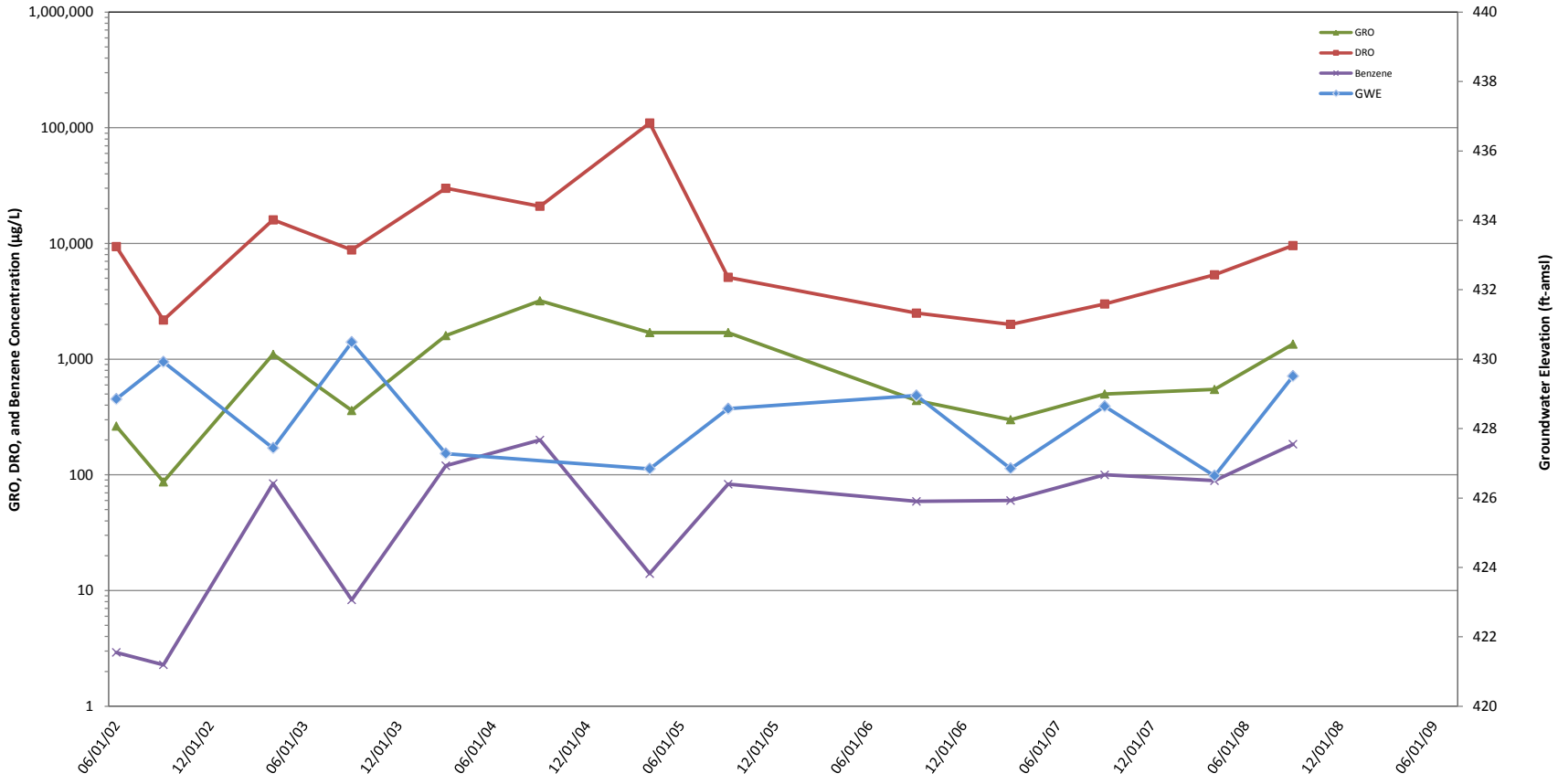
FIGURE
B-5



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST, FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-13 Historical Groundwater Elevation and Analytical Data

ARCADIS
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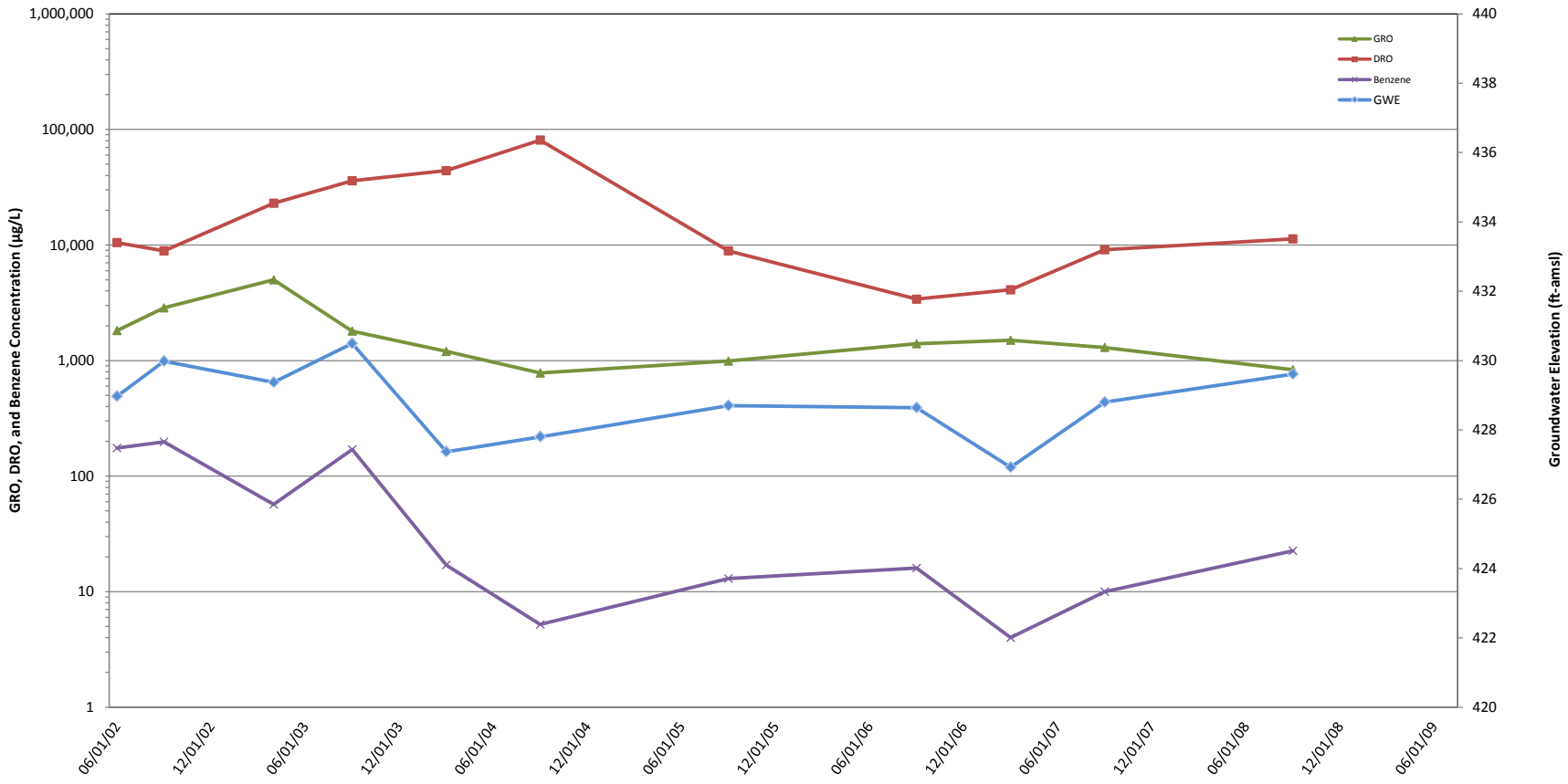
FIGURE
B-6



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

FORMER CHEVRON TERMINAL 1001430
418 ILLINOIS ST, FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well TH-17 Historical Groundwater Elevation and Analytical Data

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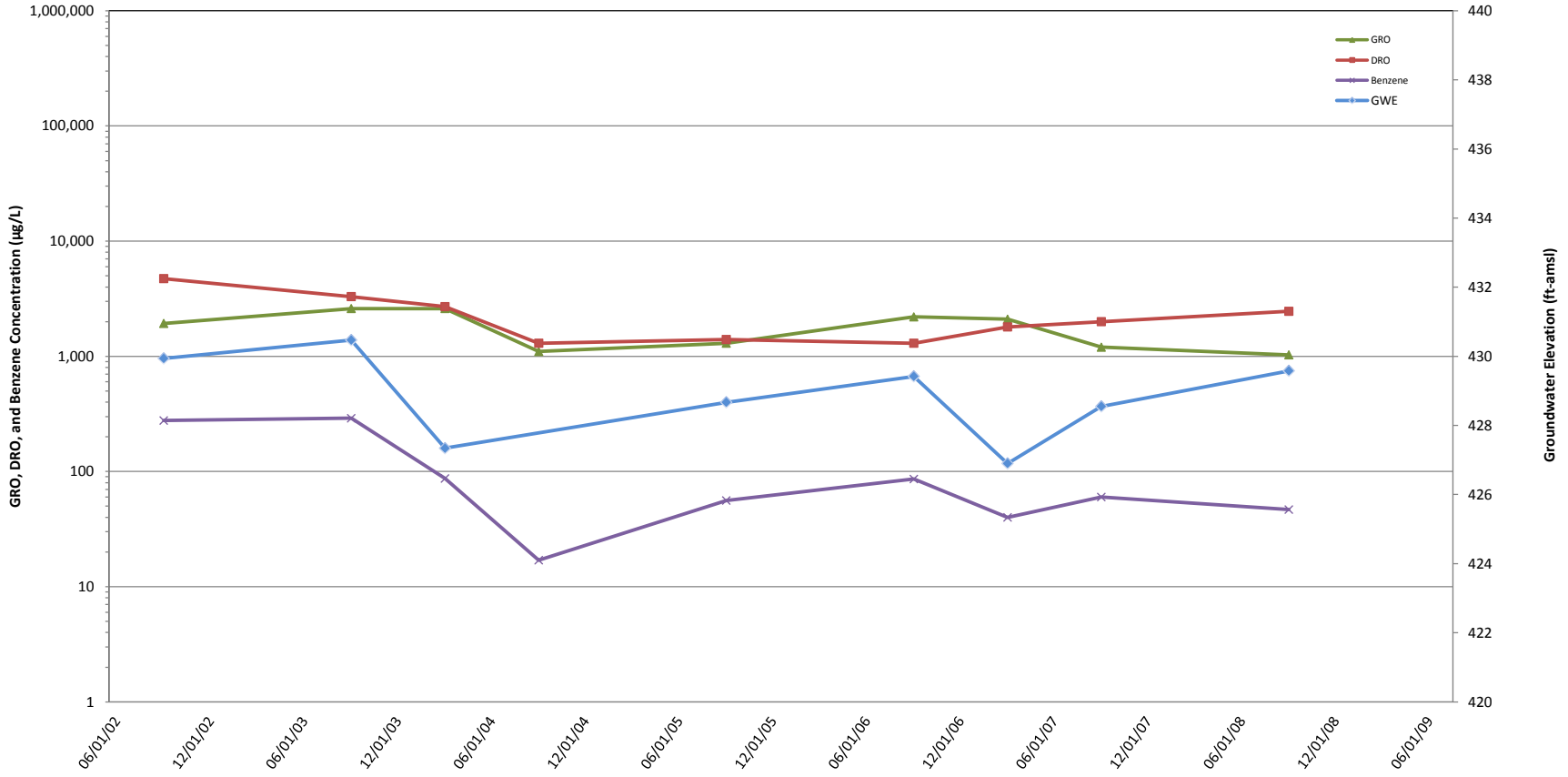
FIGURE
B-7



LEGEND:

GRO = Gasoline range organics
DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
Used half of detection limit value for non-detect results

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Monitoring Well TH-18 Historical Groundwater Elevation and Analytical Data

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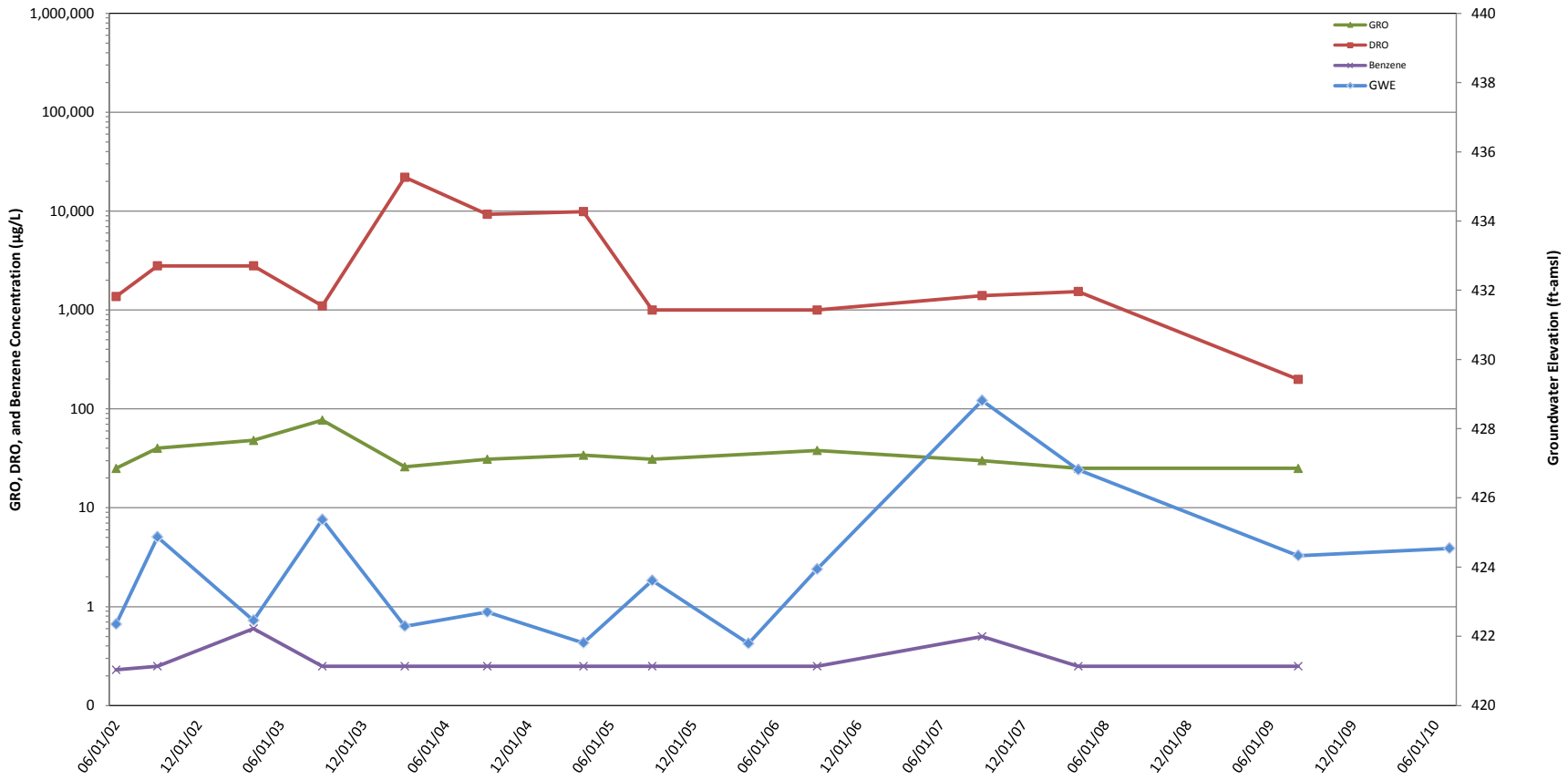
FIGURE
B-8



LEGEND:

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DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
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Monitoring Well MW-23 Historical Groundwater Elevation and Analytical Data

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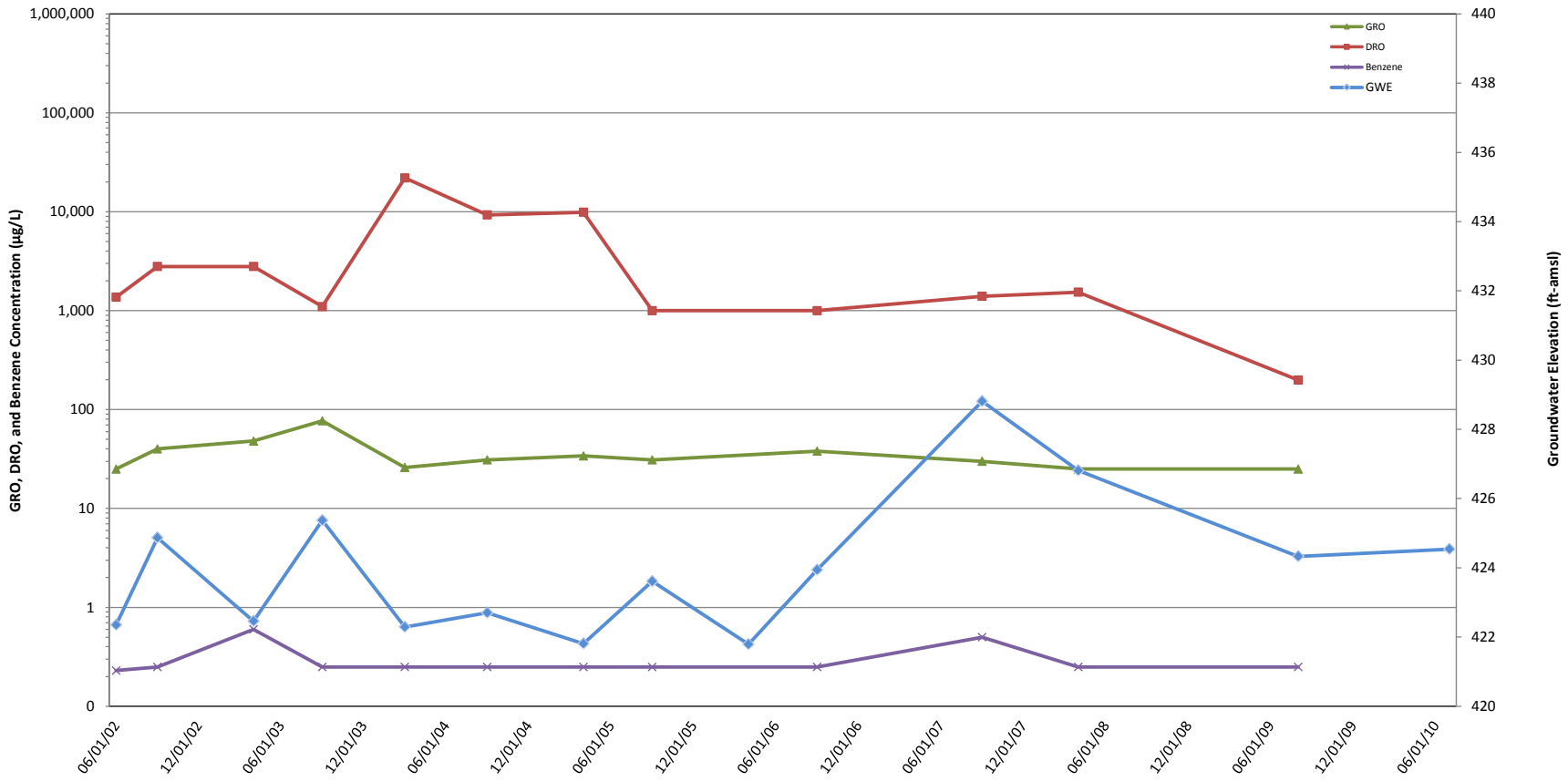
FIGURE
B-9



LEGEND:

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DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
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Monitoring Well MW-25 Historical Groundwater Elevation and Analytical Data

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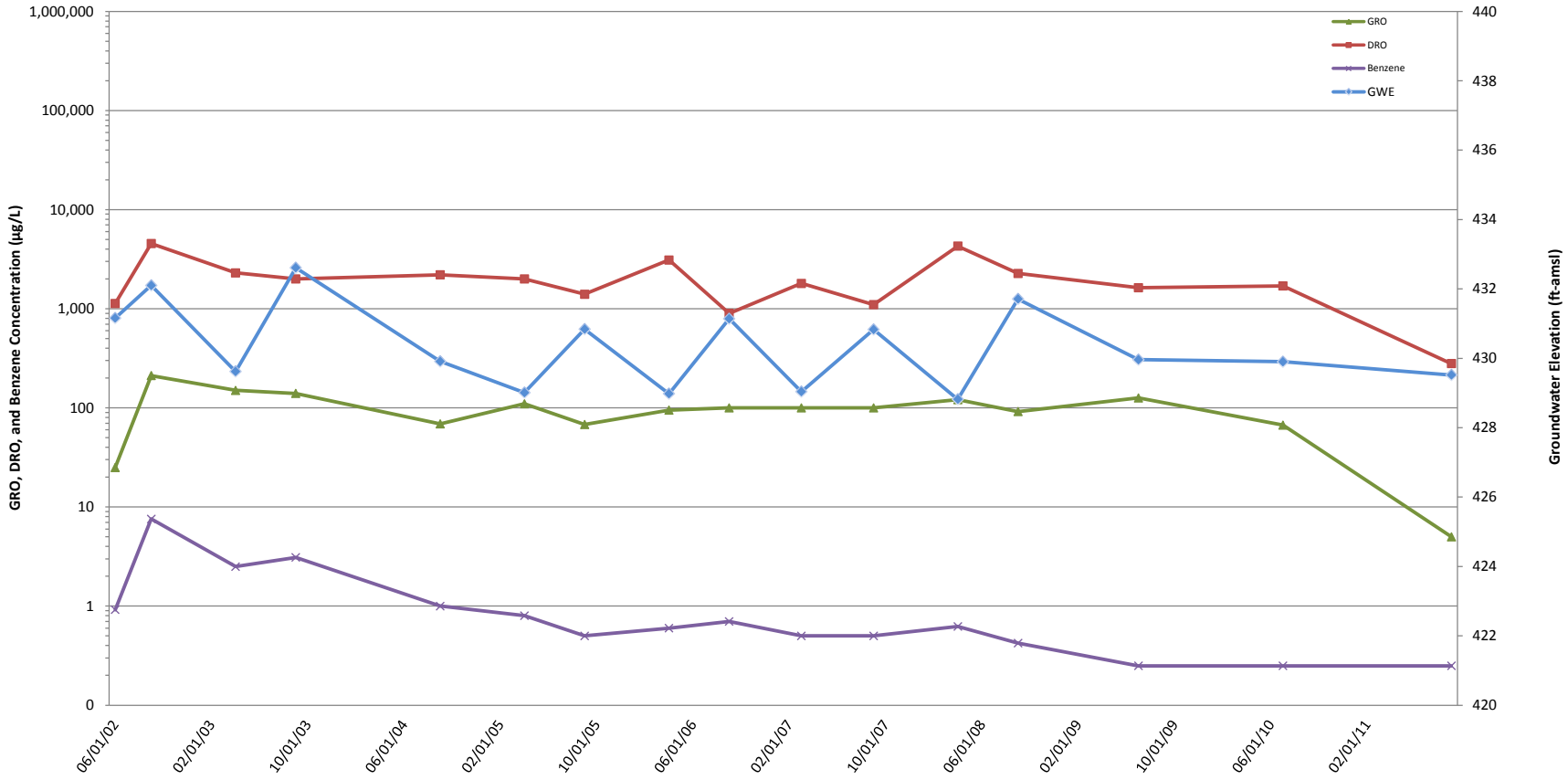
FIGURE
B-10



LEGEND:

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Monitoring Well AR-81 Historical Groundwater Elevation and Analytical Data

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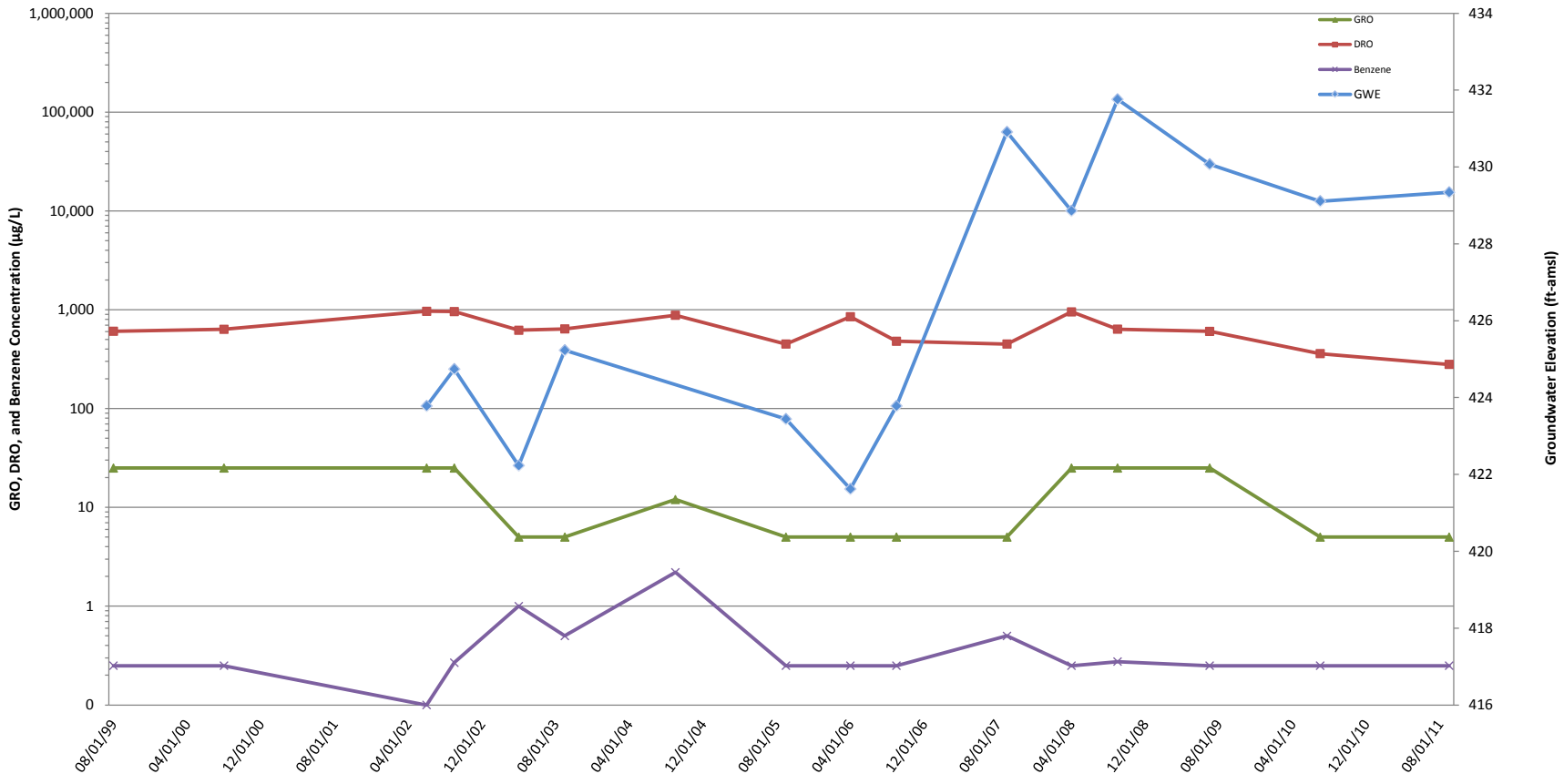
FIGURE
B-11



LEGEND:

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Monitoring Well AR-85 Historical Groundwater Elevation and Analytical Data

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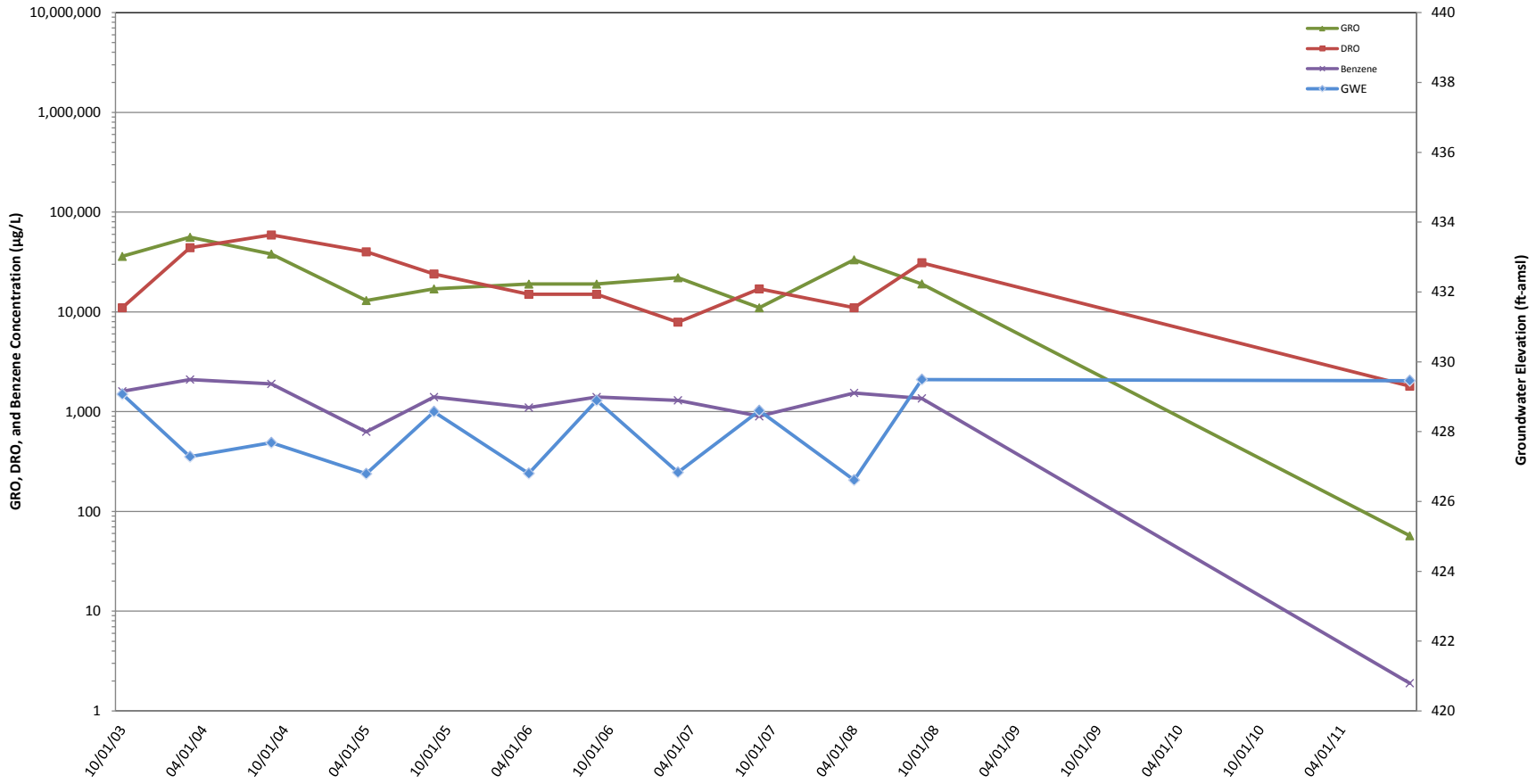
FIGURE
B-12



LEGEND:

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Monitoring Well MW-3 Historical Groundwater Elevation and Analytical Data

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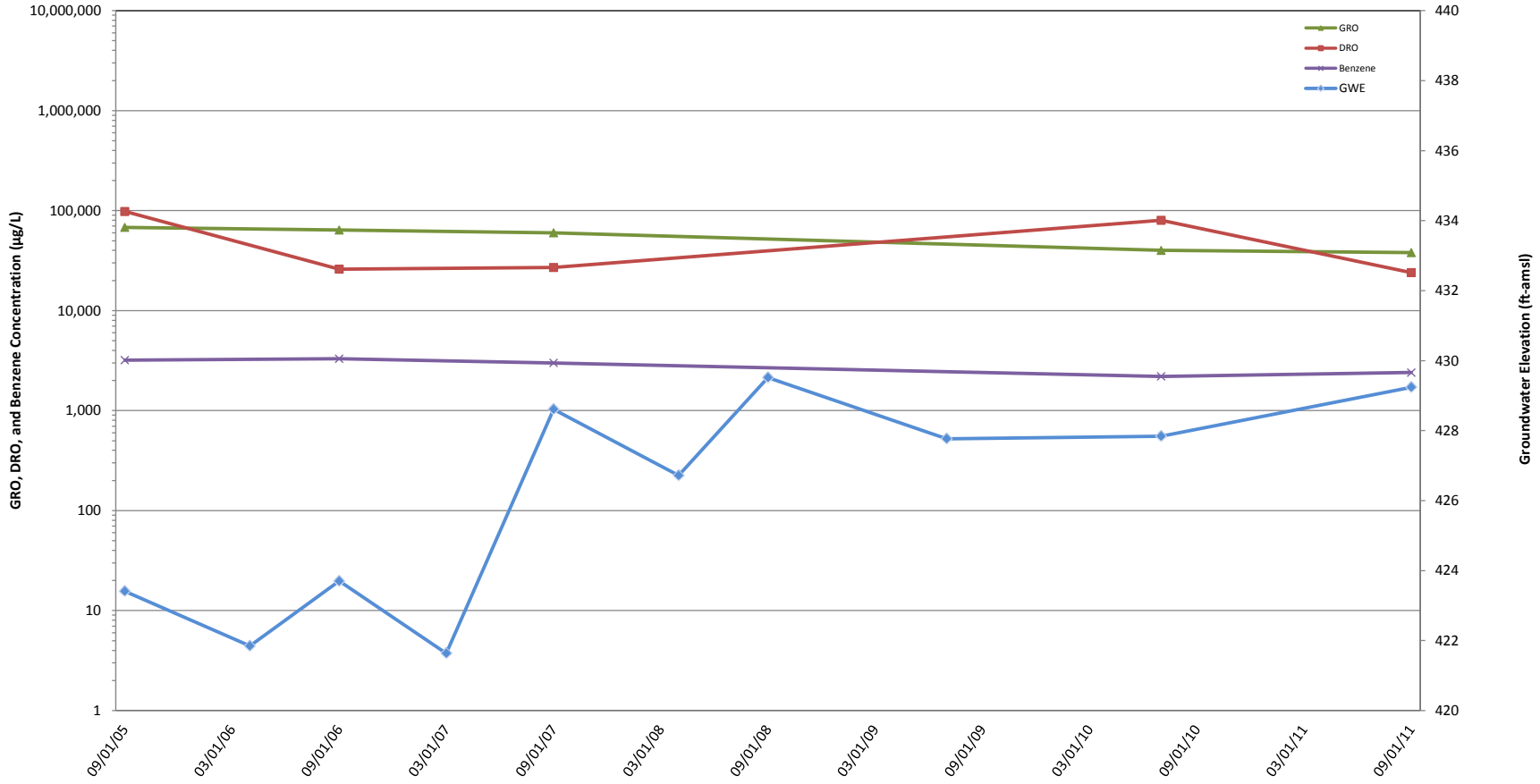
FIGURE
B-13



LEGEND:

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DRO = Diesel range organics
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Monitoring Well MW-4 Historical Groundwater Elevation and Analytical Data

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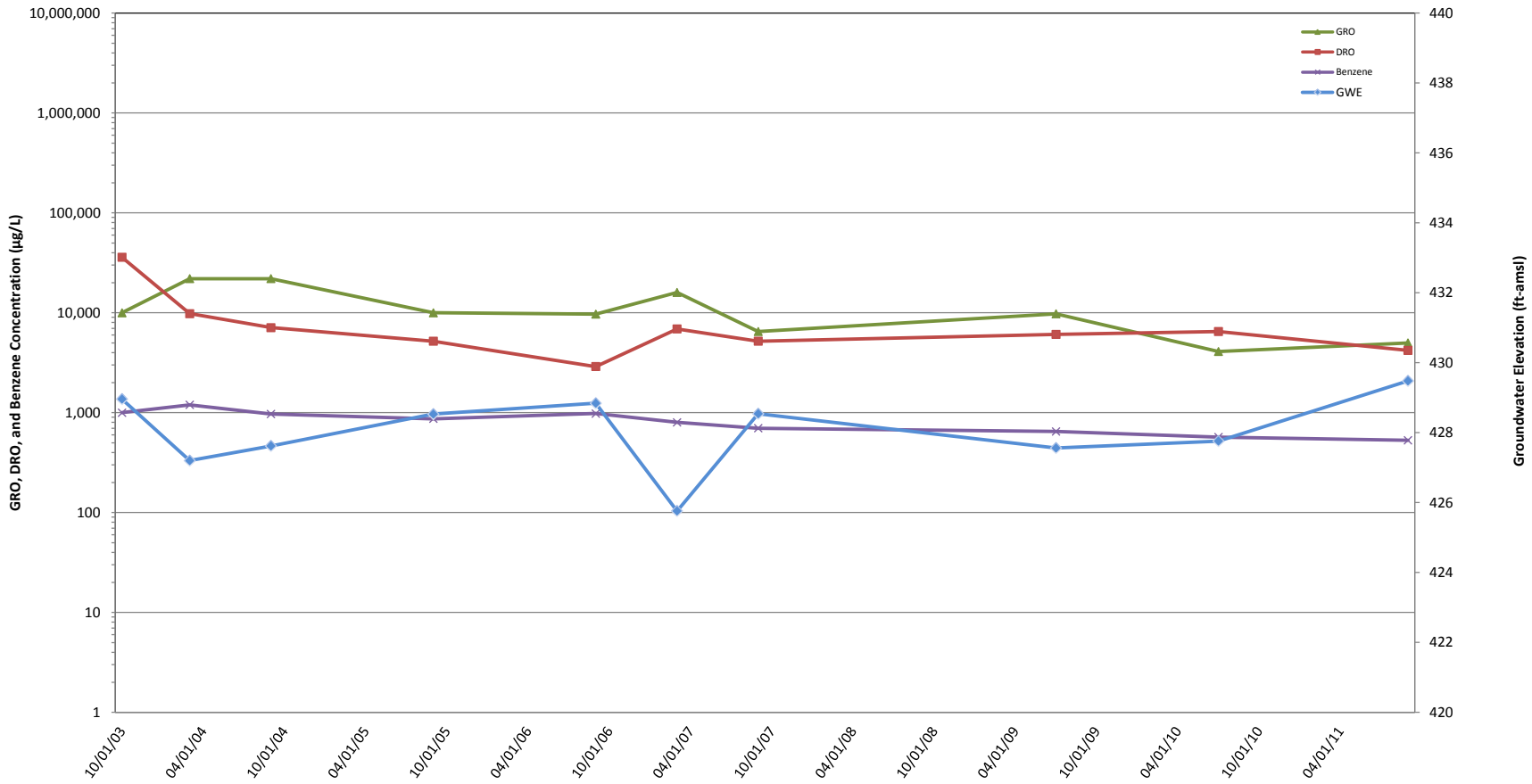
FIGURE
B-14



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ft-amsl = Feet above mean sea level
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Monitoring Well MW-5 Historical Groundwater Elevation and Analytical Data

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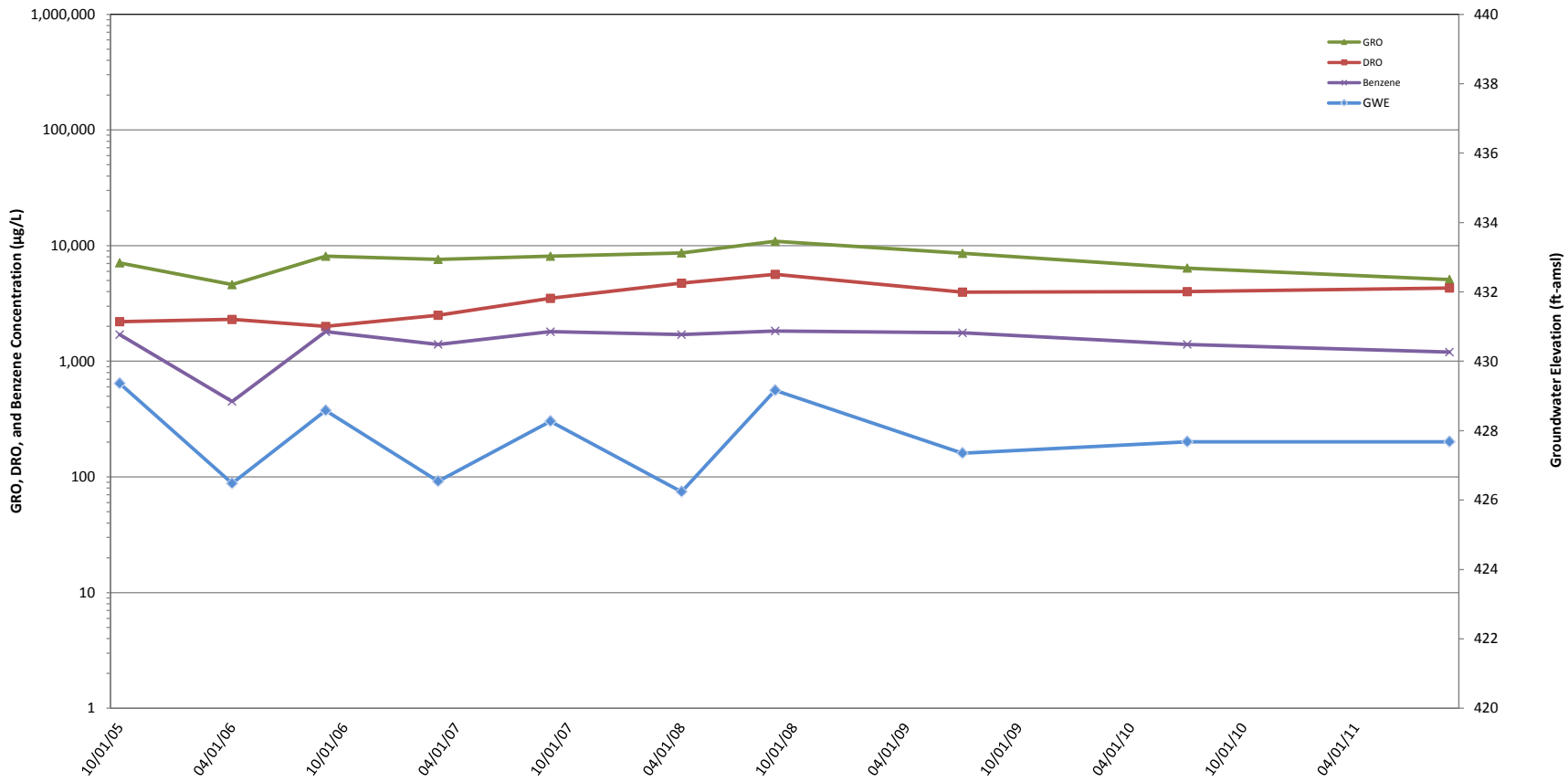
FIGURE
B-15



LEGEND:

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DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
ft-amsl = Feet above mean sea level
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Monitoring Well MW-7 Historical Groundwater Elevation and Analytical Data

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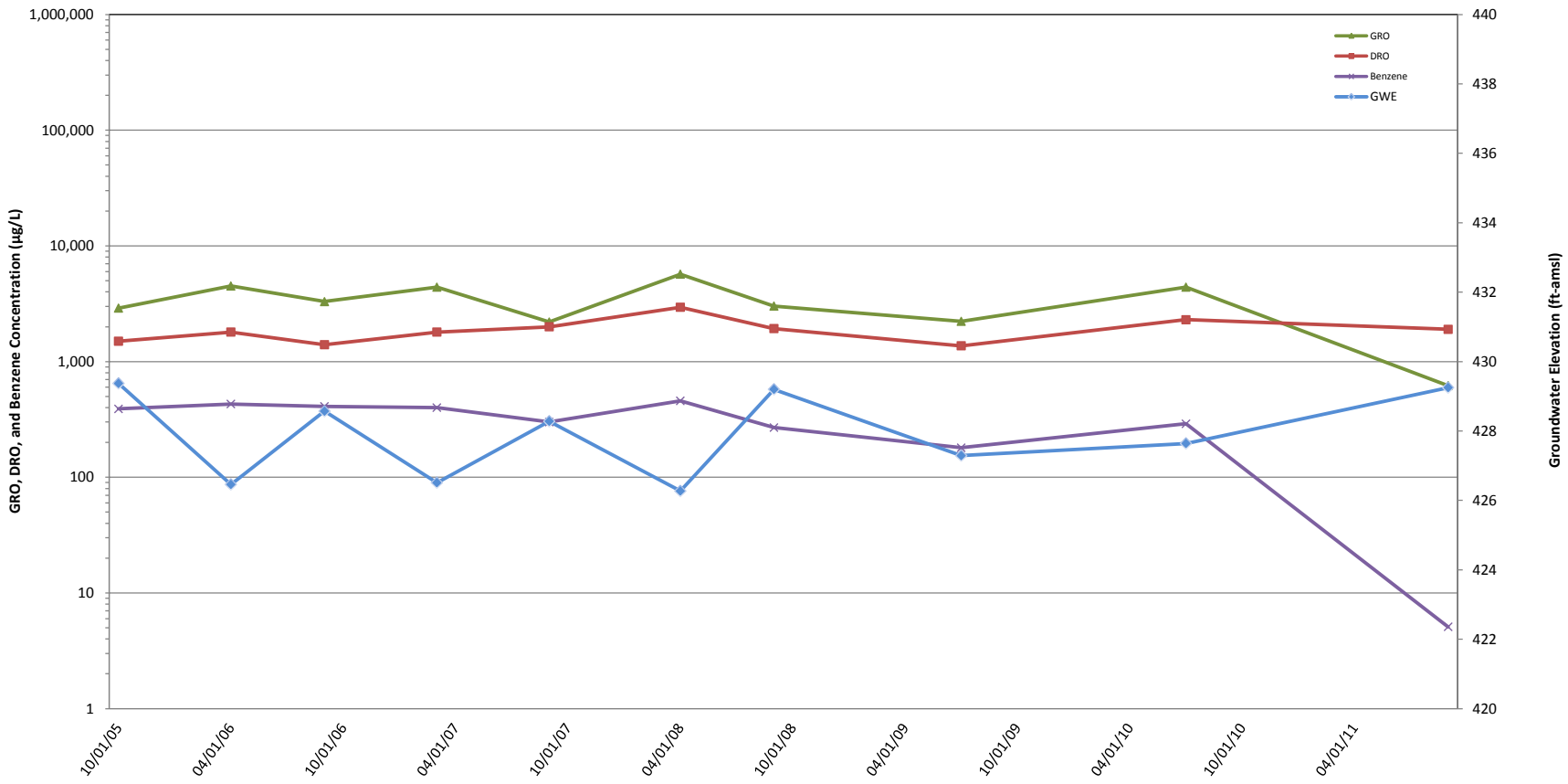
FIGURE
B-16



LEGEND:

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DRO = Diesel range organics
GWE = Groundwater elevation
µg/L = micrograms per liter
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ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well MW-8 Historical Groundwater Elevation and Analytical Data

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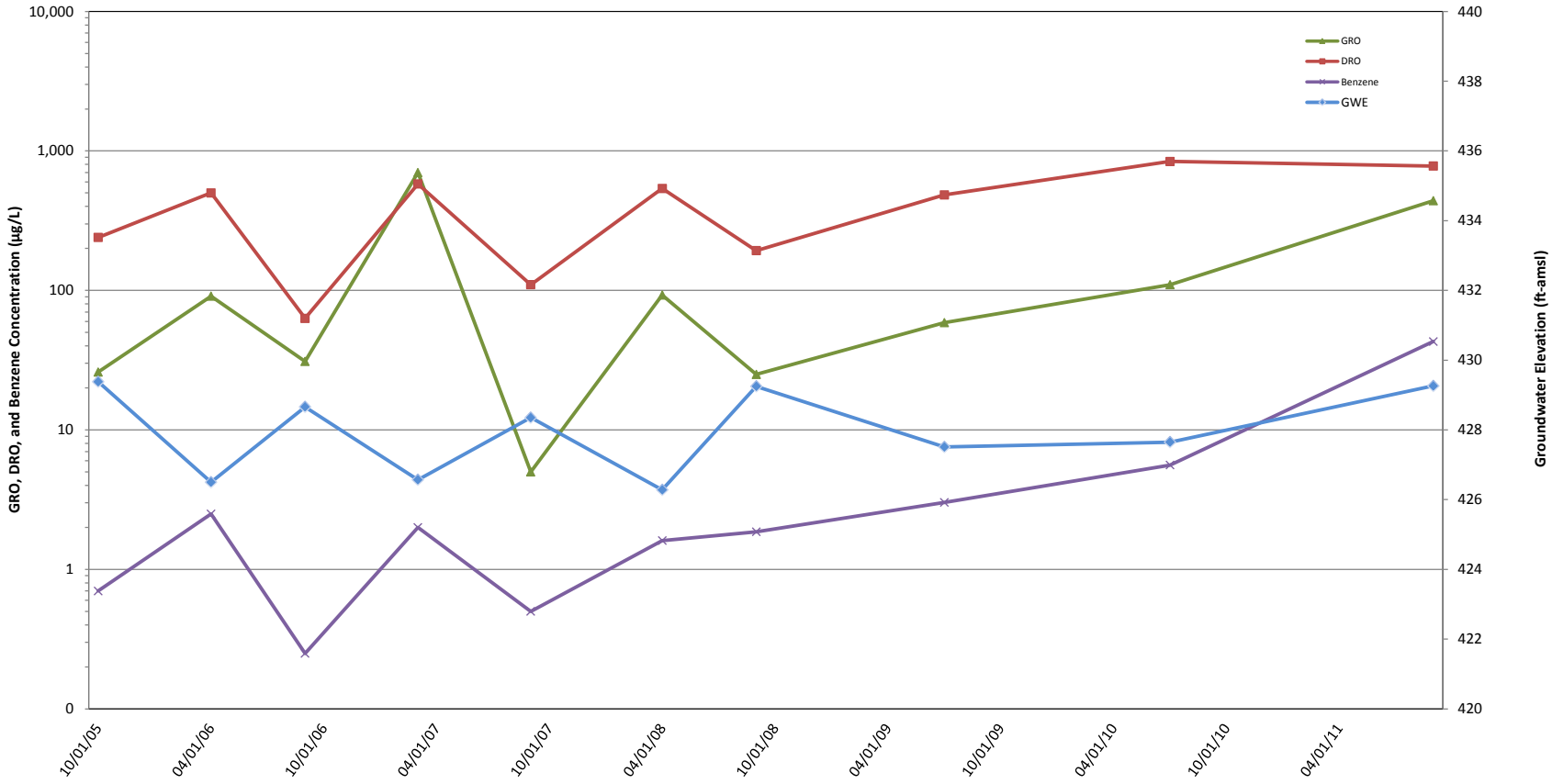
FIGURE
B-17



LEGEND:

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DRO = Diesel range organics
GWE = Groundwater elevation
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ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well MW-9 Historical Groundwater Elevation and Analytical Data

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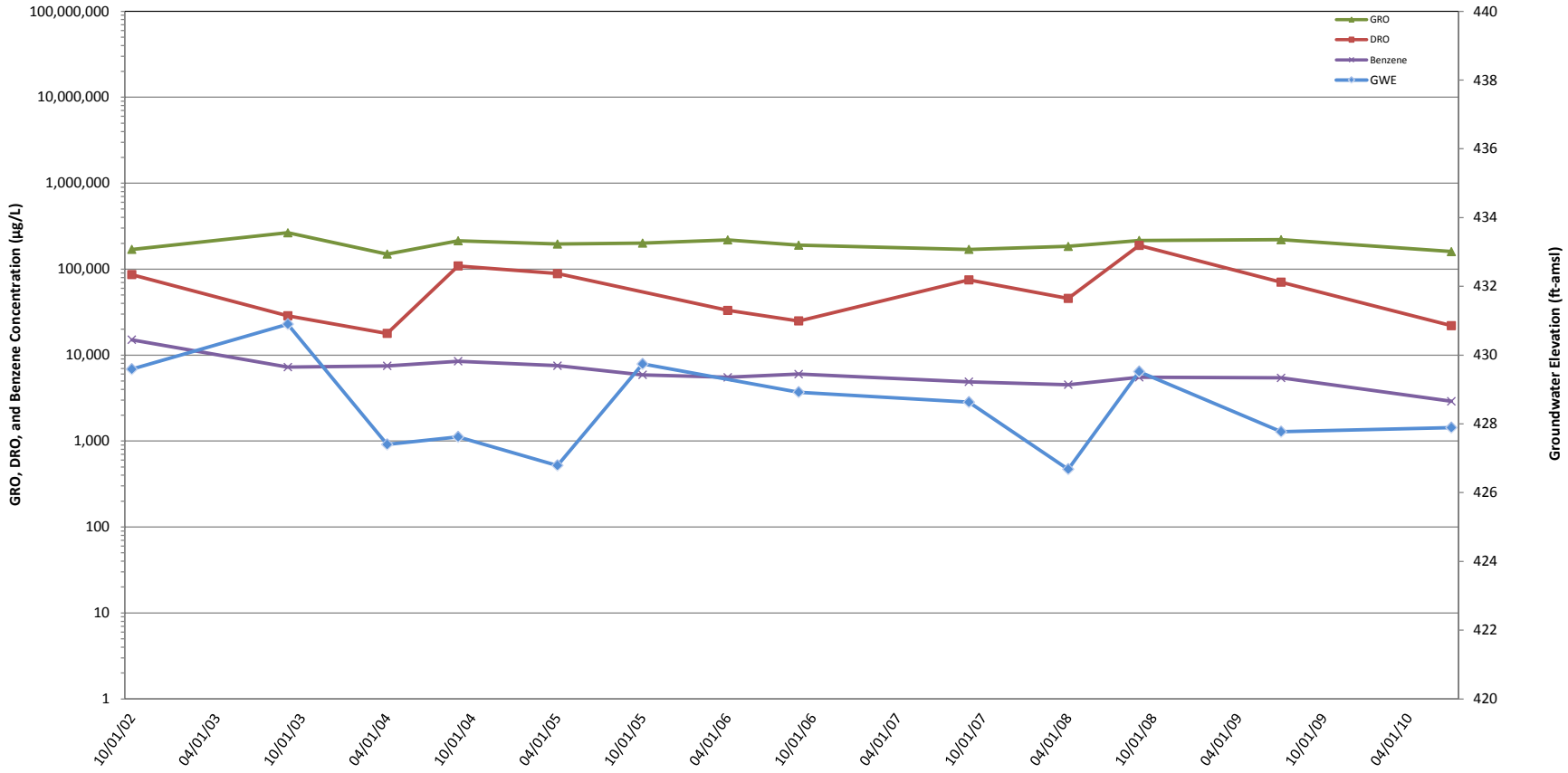
FIGURE
B-18



LEGEND:

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µg/L = micrograms per liter
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328.5 ILLINOIS ST. FAIRBANKS, ALASKA
ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-2 Historical Groundwater Elevation and Analytical Data

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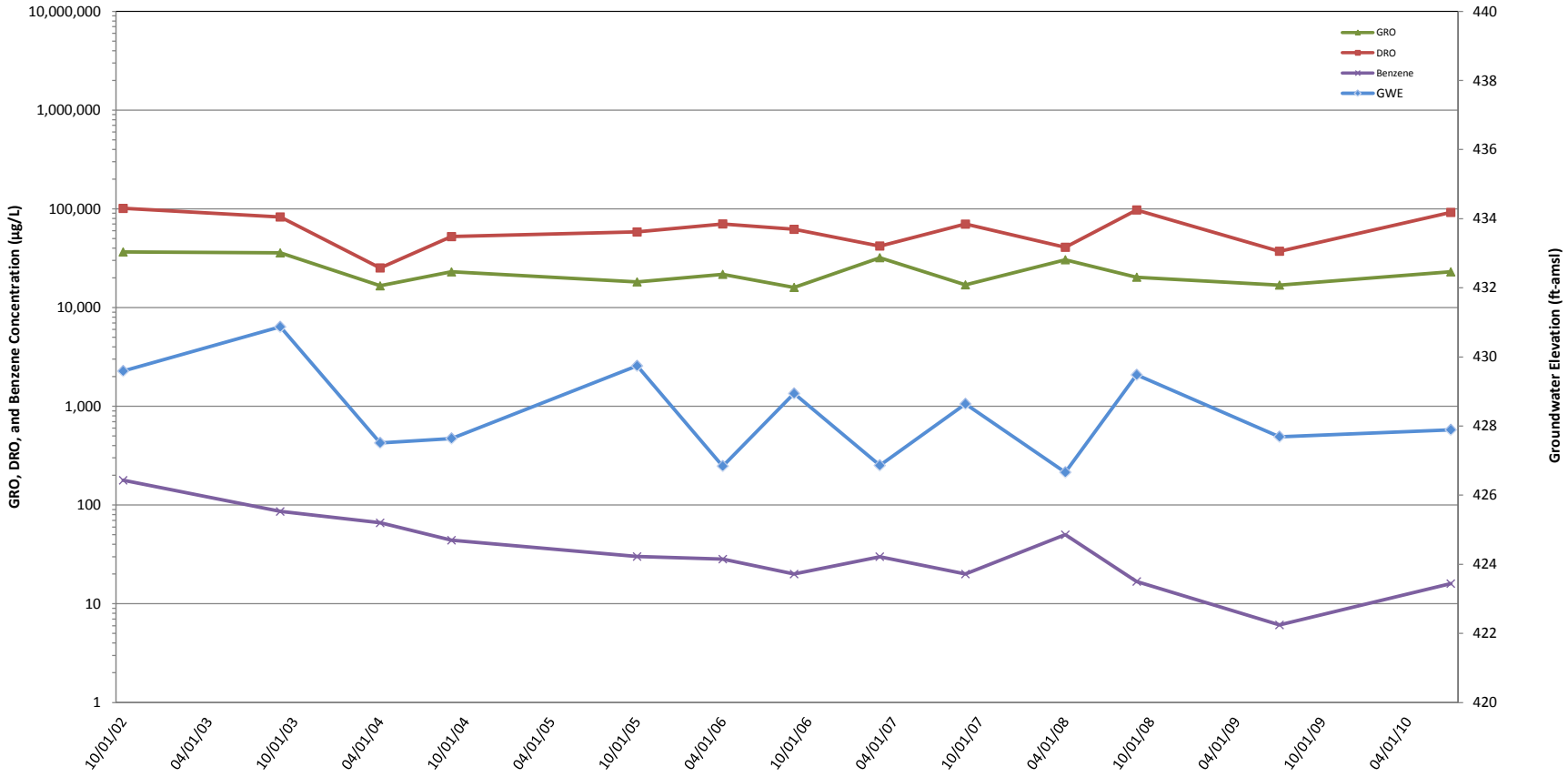
FIGURE
B-19



LEGEND:

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Monitoring Well GEI-3 Historical Groundwater Elevation and Analytical Data

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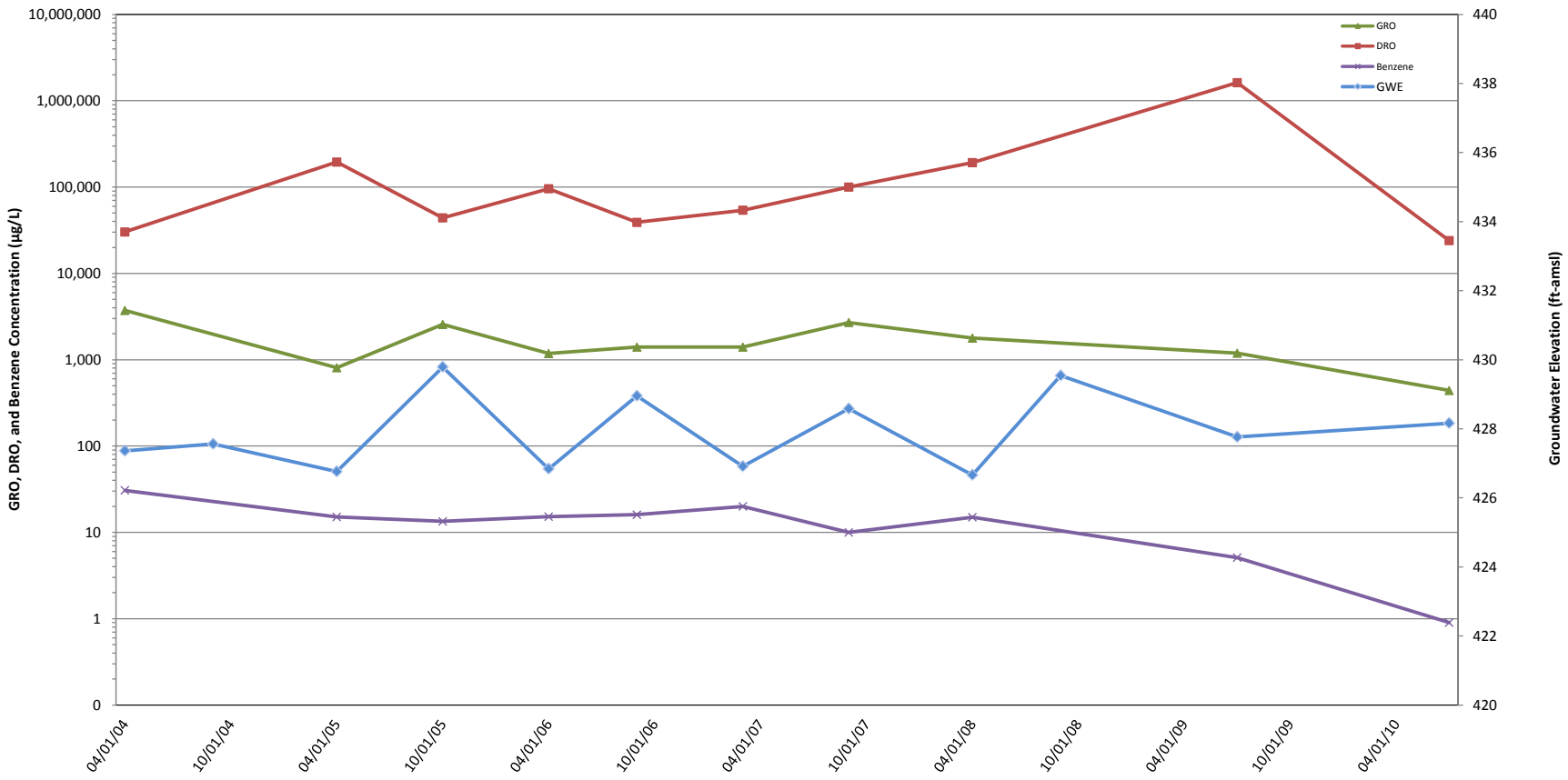
FIGURE
B-20



LEGEND:

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µg/L = micrograms per liter
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Monitoring Well GEI-4 Historical Groundwater Elevation and Analytical Data

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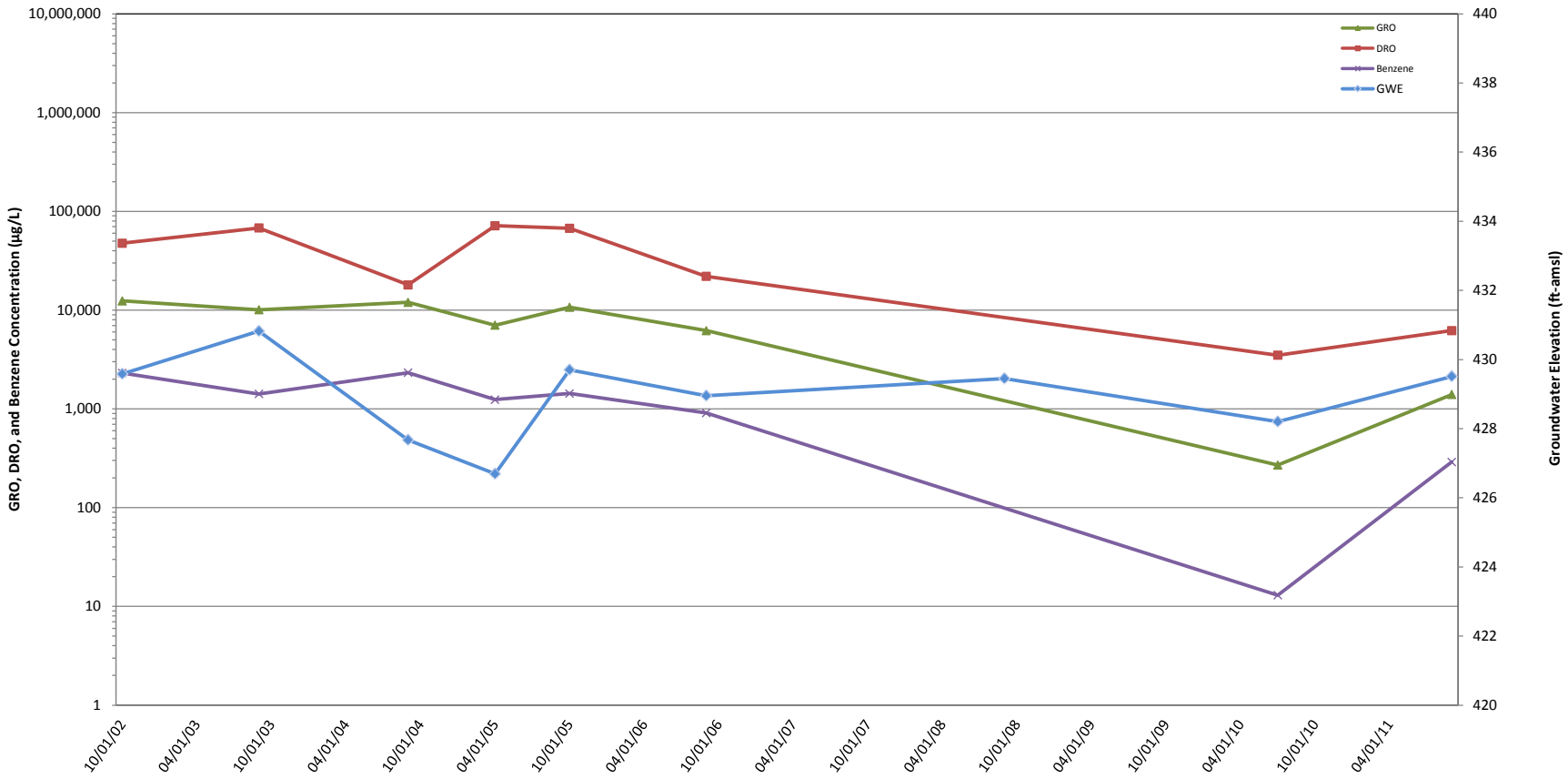
FIGURE
B-21



LEGEND:

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GWE = Groundwater elevation
µg/L = micrograms per liter
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Monitoring Well GEI-5 Historical Groundwater Elevation and Analytical Data

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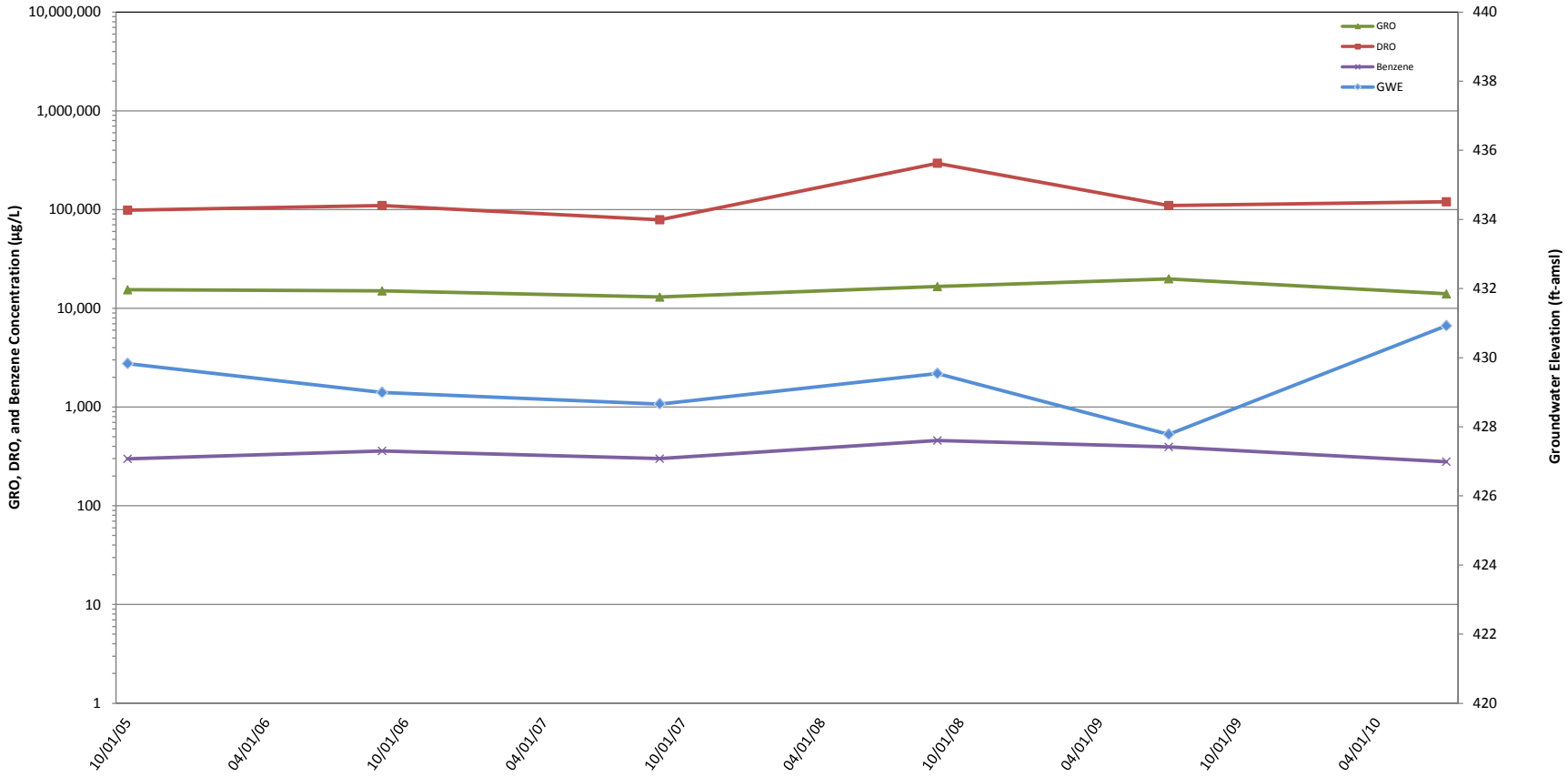
FIGURE
B-22



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µg/L = micrograms per liter
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Monitoring Well GEI-7 Historical Groundwater Elevation and Analytical Data

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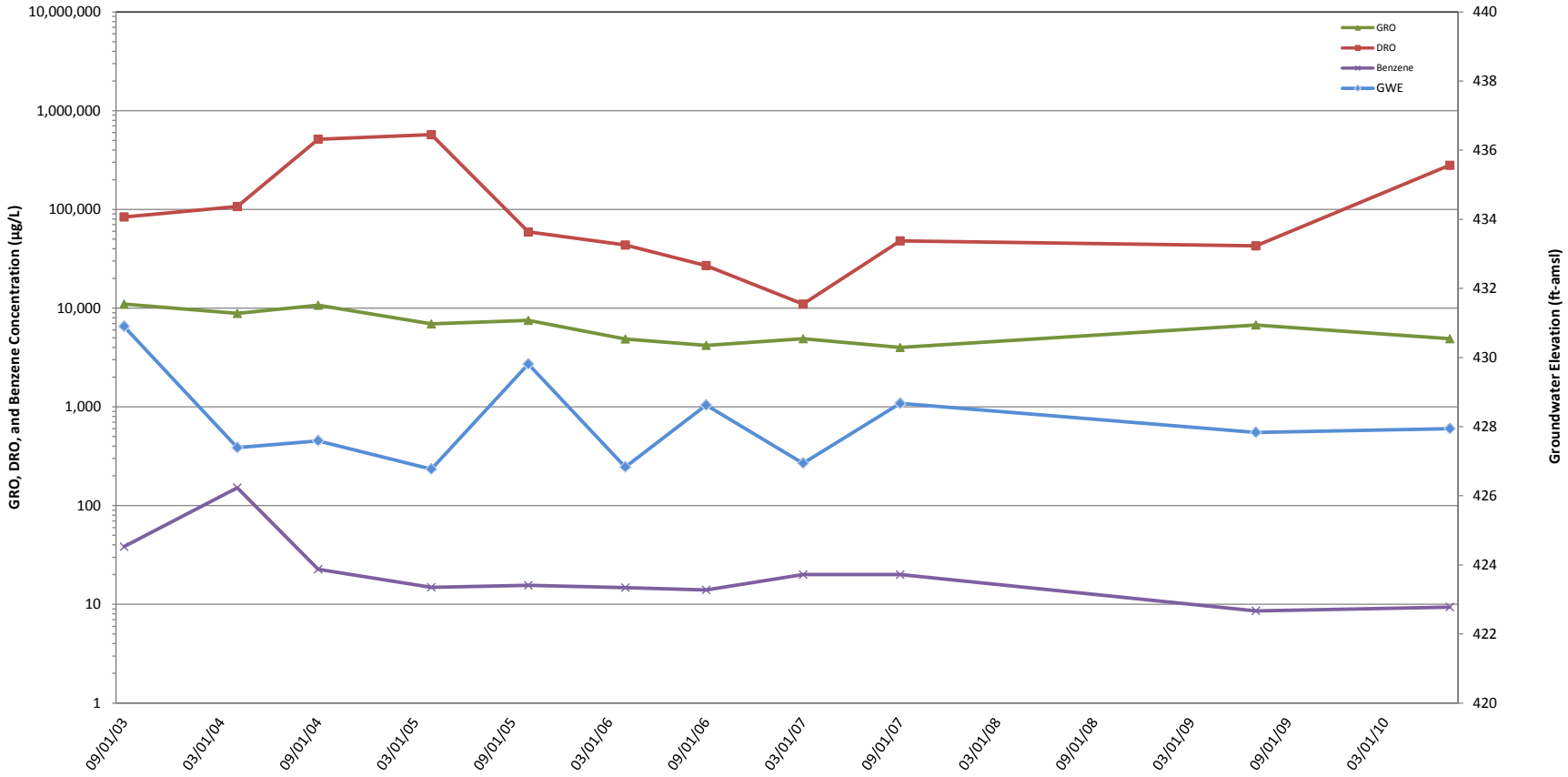
FIGURE
B-23



LEGEND:

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ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-8 Historical Groundwater Elevation and Analytical Data

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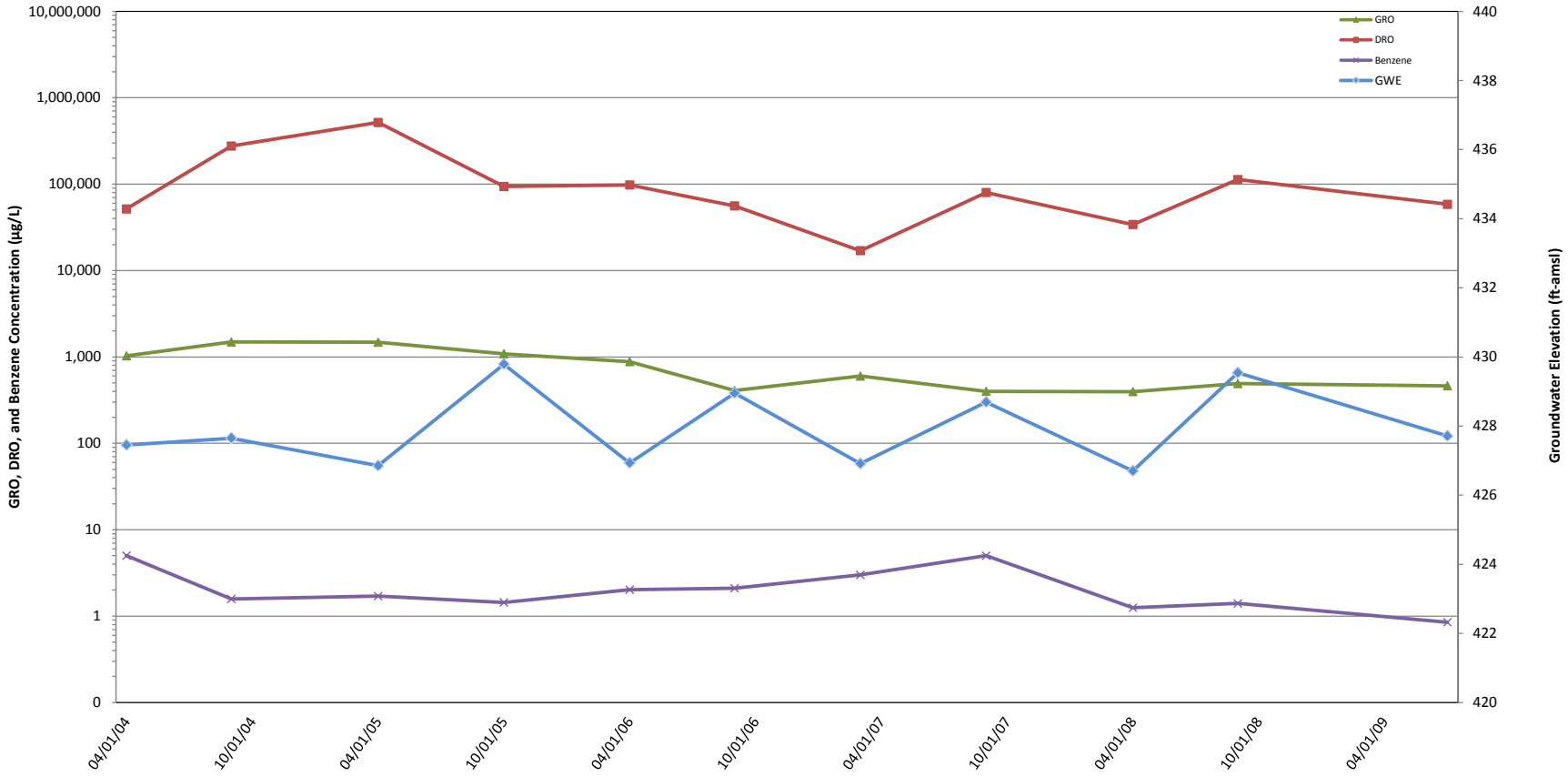
FIGURE
B-24



LEGEND:

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GWE = Groundwater elevation
µg/L = micrograms per liter
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ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well GEI-9 Historical Groundwater Elevation and Analytical Data

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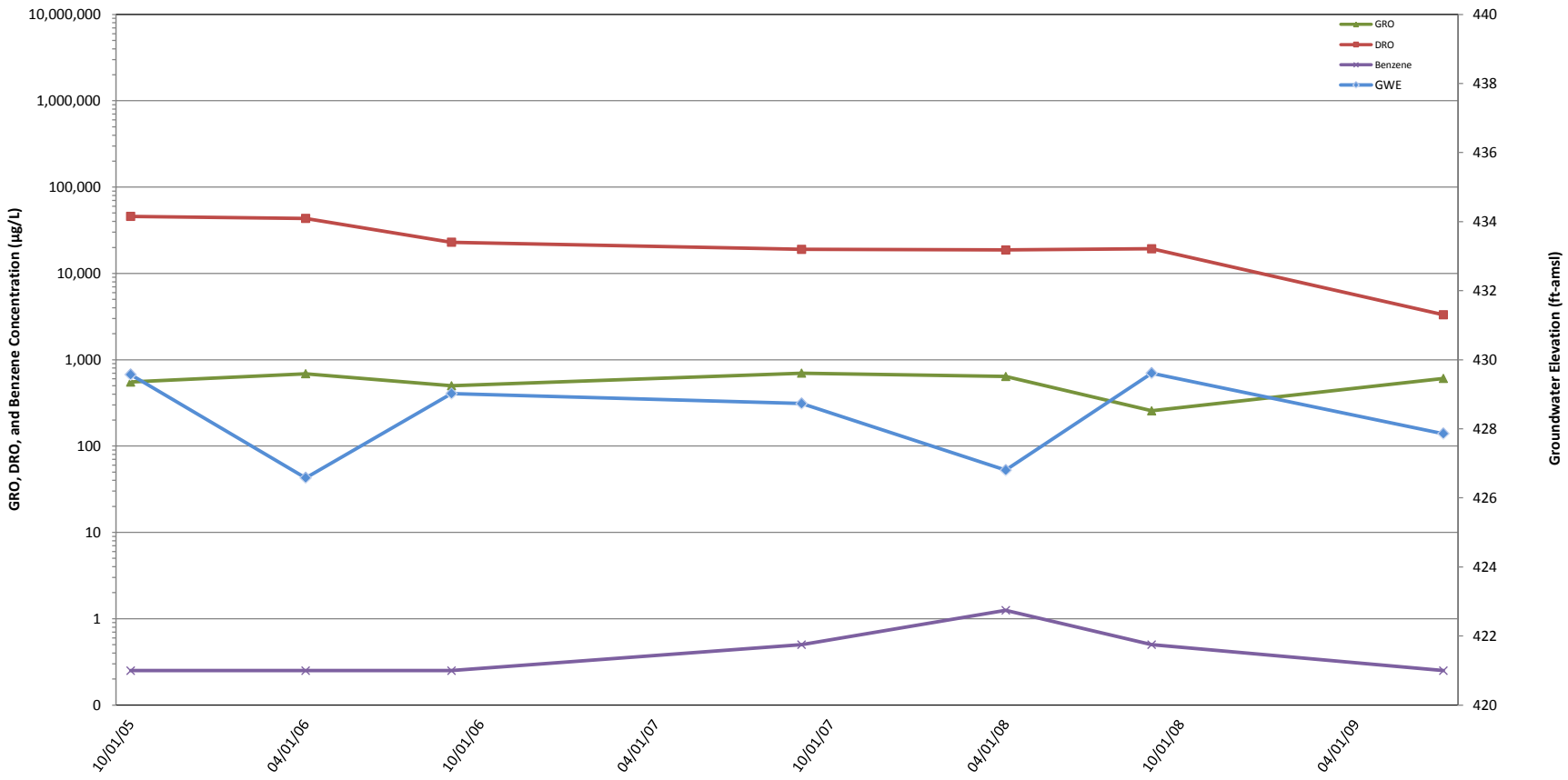
FIGURE
B-25



LEGEND:

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Monitoring Well GEI-10 Historical Groundwater Elevation and Analytical Data

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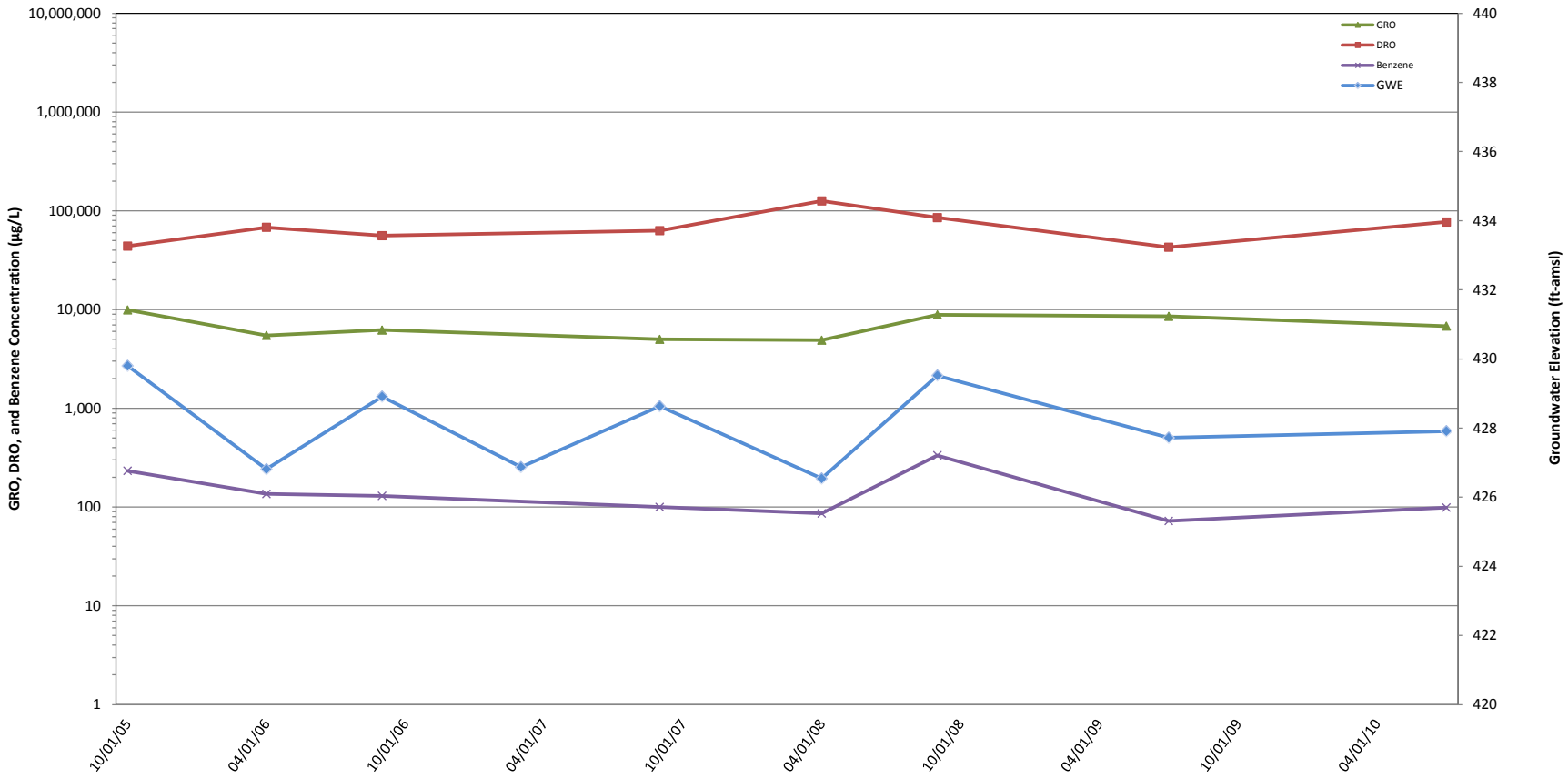
FIGURE
B-26



LEGEND:

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GWE = Groundwater elevation
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Monitoring Well GEI-12 Historical Groundwater Elevation and Analytical Data

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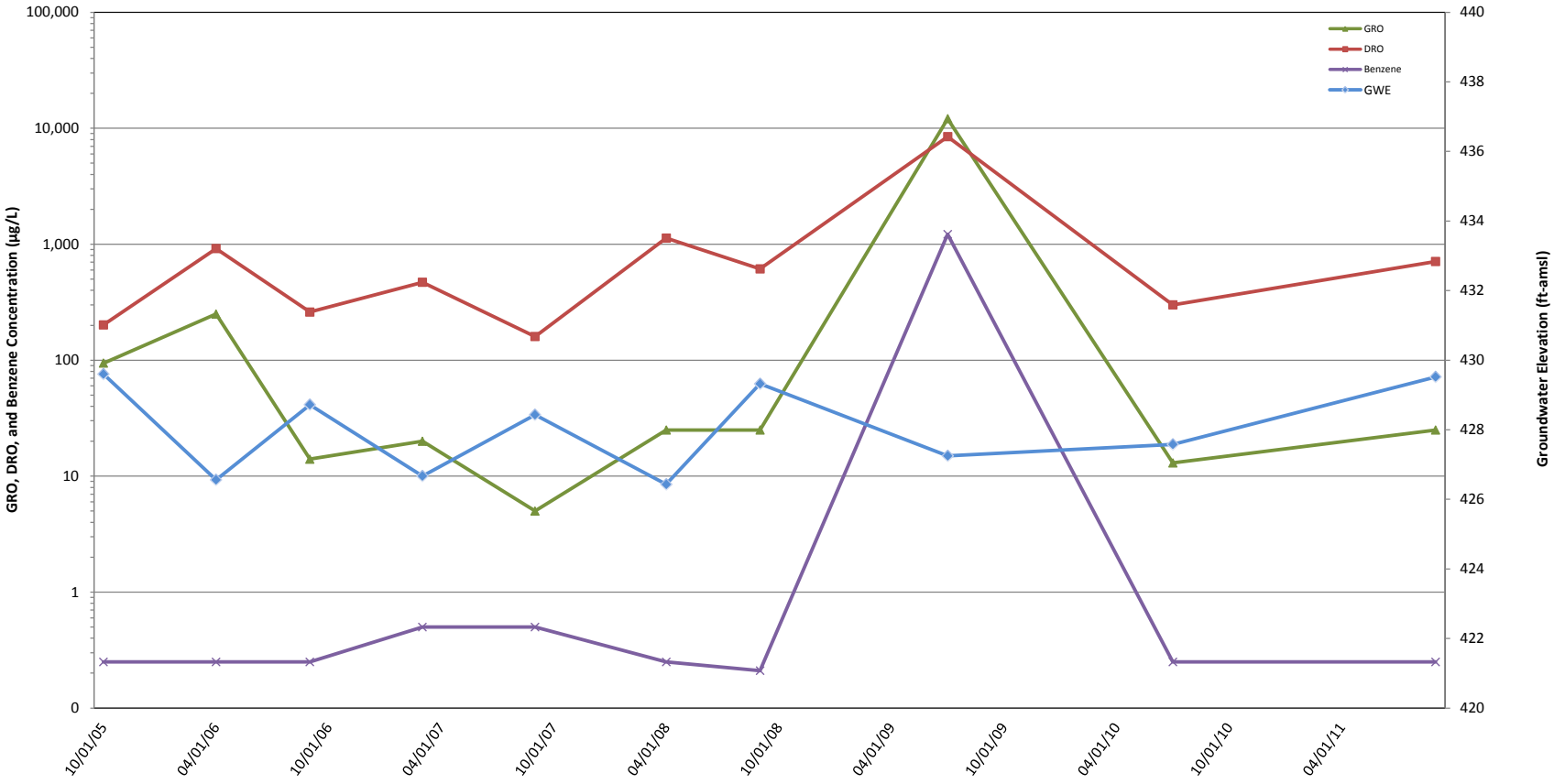
FIGURE
B-27



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Monitoring Well MW-2 Historical Groundwater Elevation and Analytical Data

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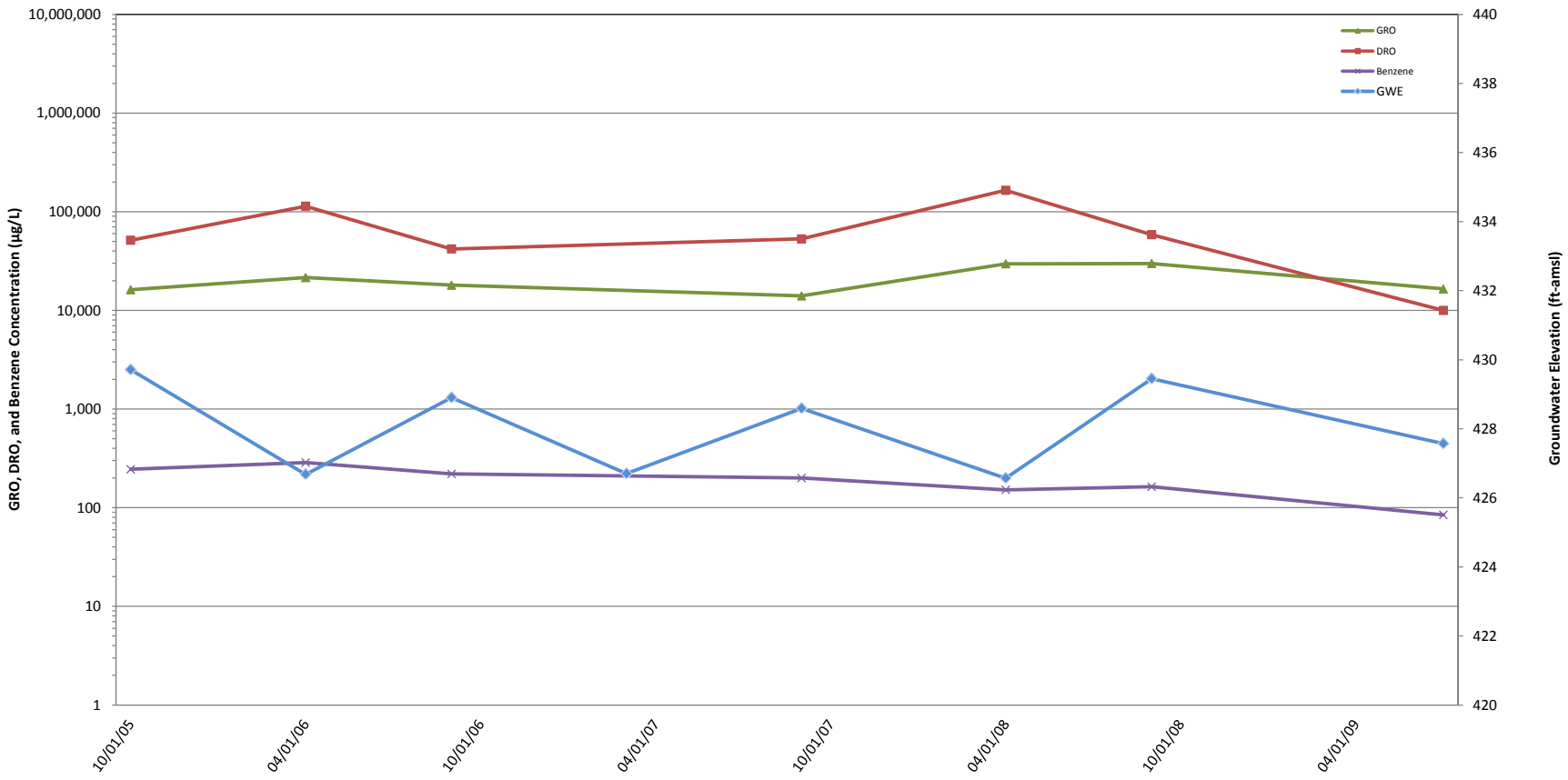
FIGURE
B-28



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Monitoring Well MW-5 Historical Groundwater Elevation and Analytical Data

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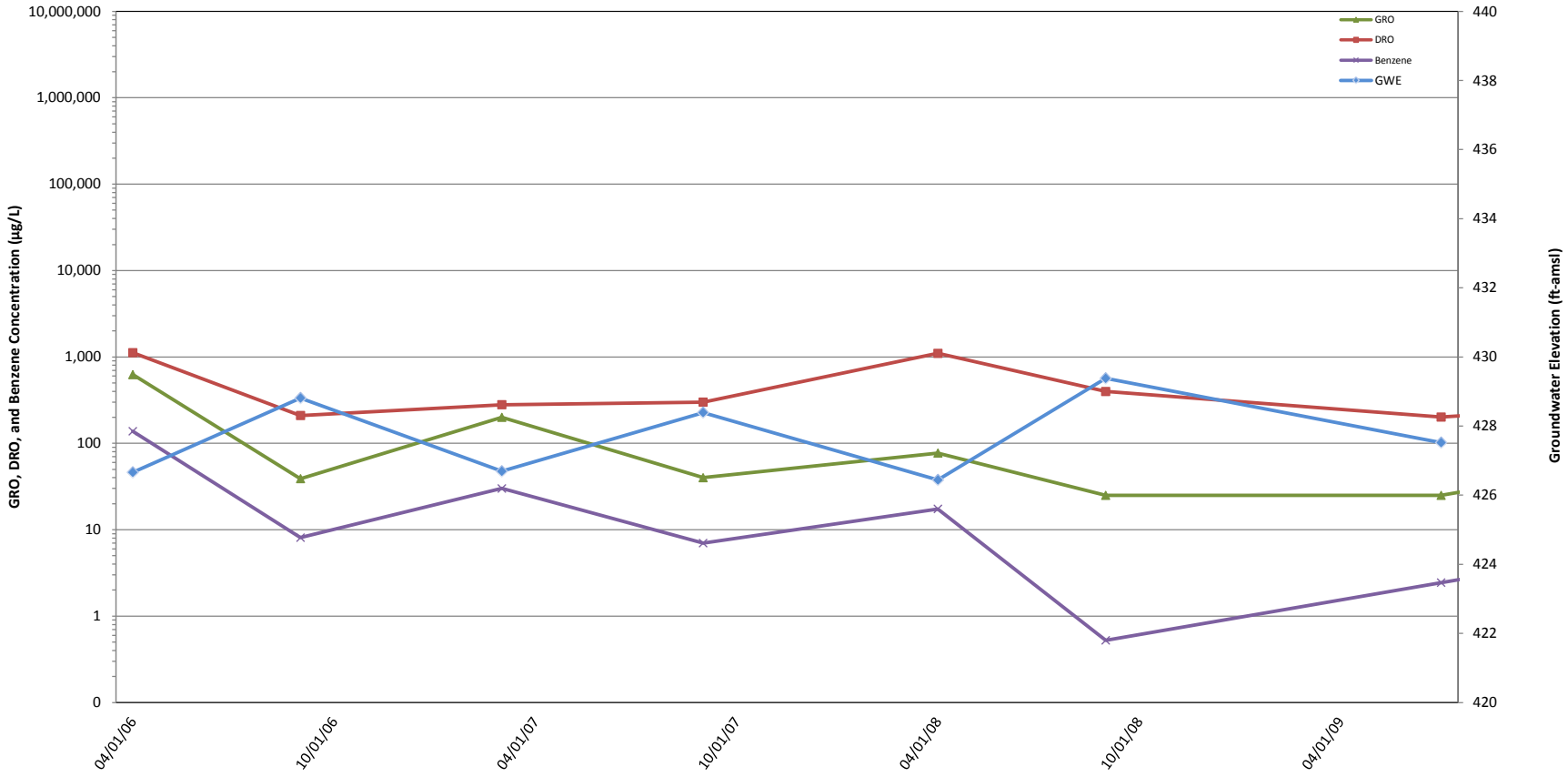
FIGURE
B-29



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Monitoring Well MW-6 Historical Groundwater Elevation and Analytical Data

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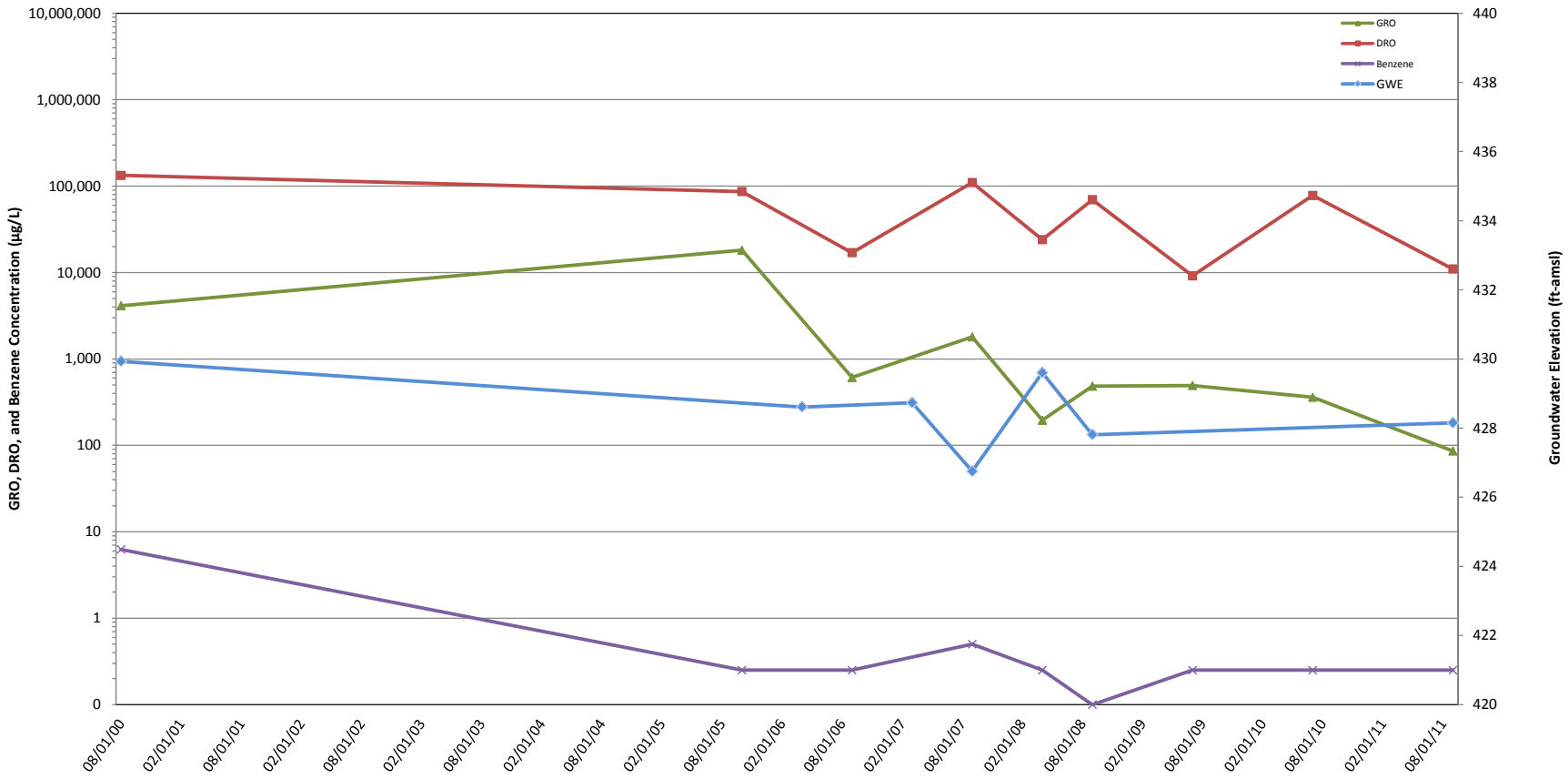
FIGURE
B-30



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ANNUAL 2011 GROUNDWATER MONITORING REPORT

Monitoring Well K-5 Historical Groundwater Elevation and Analytical Data

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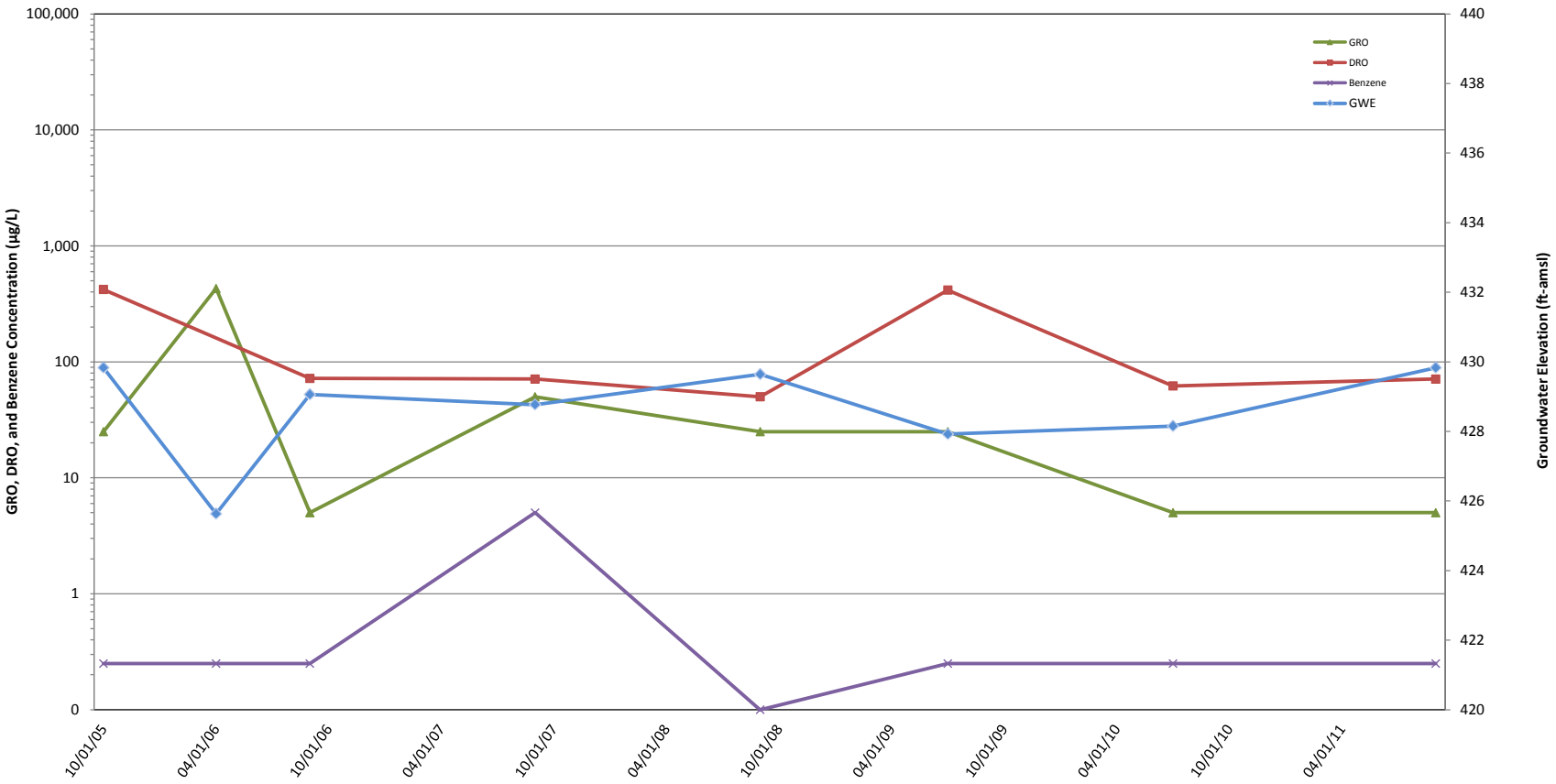
FIGURE
B-31



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Monitoring Well K-7 Historical Groundwater Elevation and Analytical Data

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FIGURE
B-32

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Appendix A

Field Data Sheets

9/20-21/11

306456 328.5 Illinois St

Weather: 60°F Mostly Cloudy

Personnel: D. Champagne, M. MacDaniel

Activity: Well Gauging

1520 Arrive on Site, Complete H&S Meeting, Complete PTW, Review OE tenants, Stop work authority, Haz ID, PPE, FOBK.

1540 Begin Gauging

Well ID	PID	DTP	DTW	Comments
GEI 1	56.9	—	14.24	
GEI 2	89.4	—	15.15	Gauged 9/21/11
GEI 3	5.6	—	15.13	
GEI 4	92	—	14.82	Gauged 9/21/11
GEI 5	12.1	—	12.42	Gauged 9/21/11
GEI 6	0.0	—	12.10	9/21/11 - gauged
GEI 7	90.6	—	14.47	
GEI 8	0.3		14.81	
GEI 9	0.0	—	14.59	
GEI 10	0.0	—	13.43	
GEI 11	3.8	—	14.10	9/21/11 Gauged
K-5	0.0	—	13.97	Cannot close well due to heaving

Well ID	PID	DTP	DTW	Comments
GEI 12	4.1	—	13.80	
K-7	0.0	—	12.72	
MW-13	0.0	—	13.64	
MW-5	0.0	—	14.43	
MW-3	0.0	—	14.87	Cover + Plug missing
MW-4	0.0	—	17.70	Cover broken
MW-6	0.0	—	17.46	Cover broken
MW-1	0.0	—	14.50	
MW-2	0.0	—	14.51	Missing 1 bolt
MW-14	0.0	—	13.98	
MW-15	31.1	—	13.84	

Gauged 9/21/11

1730 Left site

9/21/11 900 Returned to site. Conducted H+S tailgate and Haz ID.

9/21/11

306456 3285 Illinois St.

930 Began gauging remaining wells at FAIR Unocal (See table on previous page)

1110 Completed gauging, ~~st~~ Left site

MM

418 Illinois St

Fair Chevron 1001430 9/21/2011

Weather 61° Partly Cloudy

Personel D. Champagne M. MacDaniel

Activity: WELL Gauging

1120 Arrive on site Complete H&S meeting, complete PTW, review OE Tenets, stop work authority hazard ID, PPE and FOBK policy

Begin Gauging

Well ID #	PID	DTP	DTW	Comments
TH-1	12.0	—	15.91	MISSING LOCK
TH-2	1055	—	13.95	Trace sheen
TH-5	0.0	—	12.98	Trace sheen
TH-7	0.0	—	15.63	
TH-10	0.0	—	13.89	~~DTW~~ 13.52 (old PVC)
TH-13				Tracks
TH-17				" "
TH-18				" "
~~MW~~ 25	56.2	—	16.15	Globules-NS
MW-23	0.0	—	15.67	

1250 Completed gauging

DC

Fair Texaco 9/21/11
211815 410 Driveway St
Weather Sun 63°
Personnel: D. Champagne / M. MacDaniel
Activity well Gauging
1400 Arrive onsite. Notified Property owner by phone. Complete H&S meeting Complete PTW, Reviewed OE Tenants stop work, FOBK, Hazard ID Tool and PPE

Begin Gauging

Well ID	PID	DTP	DTW	Comments
MW-1	0.0	—	11.84	Under 2" dirt
MW-3	0.0	—	13.21	
MW-4	11.3	—	12.92	Trace Sheen
MW-5	4.0	—	12.03	Under Gravels
MW-7	0.0	—	13.99	
MW-8	0.0	—	12.36	
MW-9	0.0	—	12.19	broken Plug
AR-81	0.0	—	12.64	
AR-85	0.0	—	12.82	

Completed Gauging left Site

9/22/11 FAIR TEXACO
211815 410 Driveway St
Weather Partly Cloudy 50°F
Personnel D. Champagne / M. MacDaniel
Activity Sampling

800 Arrive on Site and perform H+S tailgate - OE tenants/Slips trips Falls / Chemical splash/PPE

830 Review task order and begin sampling.

Sample Times

	WELL ID	TIME	COMMENT
	mw-7	900	
	mw-8	925	
	mw-9	940	
	mw-5	1010	
	mw-3	1025	
(BD-1)	mw-4	1040	Trace Sheen
	mw-1	1155	
	AR-81	1130	
	AR-85	1145	

1210 Complete sampling, mob off site.

9/22/11 FAIR Chevron
1001430
Weather - Partly Cloudy 65°F
Personnel - D. Champagne, M. MacDaniel
Activity - Sampling

1345 Arrive onsite. Perform H+S tail gate. OE tenants; Haz ID / slips, trips, falls / Proper PPE / Traffic

~~1355~~ 1355 Review task order and begin sampling

Sample Times

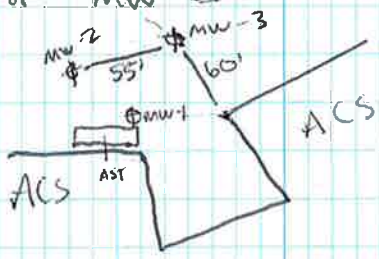
WELL ID	TIME	Comments
TH-1	1415	BD-1 Trace Sheen
TH-2	1440	Trace sheen
TH-5	1430	Trace Sheen
TH-7	1400	
TH-10	1510	
MW-23	—	Obstructed
MW-25	—	Globbules

1530 Complete Sampling and leave site

9/23/11 FAIR Unocal
211815 410 Driveway St.
Weather - Overcast, 55°F
Personnel - D. Champagne, M. MacDaniel
Activity - Sampling

1215 Arrive on site and complete PTW. Perform H+S tailgate - ~~H+S~~ Haz ID/ Slips, trips, falls / Proper PPE / Traffic

1245 Phone call with Dawn Berube. Gave progress report and discussed location of MW-~~3~~ 3:



1340 Began Sampling

WELL ID	TIME	Comments
MW-14	1340	Need Key
MW-15	NS	Globules
MW-1	1510	
MW-3	1520	Well ~~is~~ broken
MW-2	1455	
MW-4	1540	
MW-6	1605	

9/23/11 FAIR Unocal 306456

1620 Completed sampling for the day. Left site

9/24/11 FAIR Unocal 306456

1000 Arrive on site, review PTW, perform H & S tailgate, Haz IDs → Slips, trips, Falls / Traffic / PPE / Stop Work Authority

Weather: ~~Partly~~ Mostly Sunny, 54°F
Personnel: D Champagne, M. MacDaniel
Activity: Sampling - Annual

1030 Begin sampling, continued from 9/22/11

Well ID	Time	Comments
MW-5	NS	Globules
Gei-1	NS	Globules
Gei-2	NS	"
Gei-3	NS	Removed Hydrosleeve
Gei-4	NS	Globules
Gei-7	NS	Globules

9/24/11 FAIR Unocal 306456

Well ID	Time	Comments
Gei-8	NS	Globules
Gei-9	NS	Globules
Gei-10	1320	BD-1 / Heavy sheen
Gei-11	NS	No Access agreement
Gei-12	NS	Globules
MW-13	NS	No Access agreement
K-5	1335	Well heaved, unable to close
K-7	1345	Heavy sheen
Gei-5	1445	Light Sheen
Gei-6	1430	Light Sheen

1445 Finished sampling, Left site for hotel

ARCADIS

Appendix B

Laboratory Analytical Reports

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

October 06, 2011

Project: 1001430

Submittal Date: 09/24/2011
Group Number: 1268242
SDG: LST75
PO Number: 0015074818
Release Number: CARRIER
State of Sample Origin: AK

Client Sample Description	Lancaster Labs (LLI) #
TH-1 Grab Water Sample	6418826
TH-2 Grab Water Sample	6418827
TH-5 Grab Water Sample	6418828
TH-7 Grab Water Sample	6418829
TH-10 Grab Water Sample	6418830
BD-1 Grab Water Sample	6418831
Trip_Blank Water Sample	6418832

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Arcadis	Attn: David Beaudoin
ELECTRONIC COPY TO	Arcadis	Attn: Greg Montgomery
ELECTRONIC COPY TO	Arcadis	Attn: Russ Greisler
1 COPY TO	Data Package Group	

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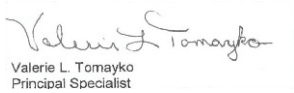
Analysis Report

Questions? Contact your Client Services Representative
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,



Valerie L. Tomayko
Principal Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: TH-1 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418826
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 14:15 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISF01 SDG#: LST75-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.39	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.0008	0.0005	1
02102	Ethylbenzene	100-41-4	0.0050	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.020	1

Reporting limits were raised due to interference from the sample matrix.

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/30/2011 01:52	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/30/2011 01:52	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/30/2011 01:52	Marie D John	1

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Analysis Report

Sample Description: TH-2 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418827
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 14:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISF02 SDG#: LST75-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	20	0.10	10
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.27	0.0050	10
02102	Ethylbenzene	100-41-4	0.85	0.0050	10
02102	Toluene	108-88-3	1.5	0.0050	10
02102	Total Xylenes	1330-20-7	4.9	0.015	10
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	7.3	0.95	20
02923	C25-C36 RRO	n.a.	6.0	1.3	20

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/30/2011 02:19	Marie D John	10
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/30/2011 02:19	Marie D John	10
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/30/2011 02:19	Marie D John	10
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 02:32	Heather E Williams	20
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: TH-5 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418828
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 14:30 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISF05 SDG#: LST75-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.69	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.0016	0.0005	1
02102	Ethylbenzene	100-41-4	0.0055	0.0005	1
02102	Toluene	108-88-3	0.0006	0.0005	1
02102	Total Xylenes	1330-20-7	0.059	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	1.1	0.047	1
02923	C25-C36 RRO	n.a.	0.14	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/29/2011 22:05	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/29/2011 22:05	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/29/2011 22:05	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 09:14	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: TH-7 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418829
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 14:00 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISF07 SDG#: LST75-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.041	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.50	0.047	1
02923	C25-C36 RRO	n.a.	0.30	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/29/2011 22:32	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/29/2011 22:32	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/29/2011 22:32	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 09:41	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: TH-10 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418830
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 15:10 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISF10 SDG#: LST75-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.056	0.048	1
02923	C25-C36 RRO	n.a.	0.11	0.067	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/29/2011 22:59	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/29/2011 22:59	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/29/2011 22:59	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 10:08	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: BD-1 Grab Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418831
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011 by DC

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISFFD SDG#: LST75-06FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.34	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.0009	0.0005	1
02102	Ethylbenzene	100-41-4	0.0048	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.020	1
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	18	2.4	50
02923	C25-C36 RRO	n.a.	N.D.	3.3	50

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/29/2011 23:26	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/29/2011 23:26	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/29/2011 23:26	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 02:59	Heather E Williams	50
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: Trip_Blank Water Sample
Facility# 1001430
418 Illinois St - Fairbanks, AK

LLI Sample # WW 6418832
LLI Group # 1268242
Account # 11964

Project Name: 1001430

Collected: 09/22/2011

Submitted: 09/24/2011 09:00
Reported: 10/06/2011 17:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

ISFTB SDG#: LST75-07TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11271C53A	09/29/2011 14:31	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11271C53A	09/29/2011 14:31	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11271C53A	09/29/2011 14:31	Catherine J Schwarz	1

Quality Control Summary

Client Name: Chevron Group Number: 1268242
Reported: 10/06/11 at 05:26 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 11271C53A	Sample number(s): 6418826-6418832							
Benzene	N.D.	0.0002	mg/l	100	100	80-120	0	30
Ethylbenzene	N.D.	0.0002	mg/l	100	100	80-120	0	30
Toluene	N.D.	0.0002	mg/l	100	105	80-120	5	30
TPH-GRO AK water C6-C10	N.D.	0.010	mg/l	91	91	60-120	0	20
Total Xylenes	N.D.	0.0006	mg/l	102	105	80-120	3	30
Batch number: 112730003A	Sample number(s): 6418827-6418831							
C10-<C25 DRO	N.D.	0.050	mg/l	89	87	75-125	2	20
C25-C36 RRO	N.D.	0.070	mg/l	108	108	60-120	0	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Method 8021 Water Master
Batch number: 11271C53A

	Trifluorotoluene-F	Trifluorotoluene-P
6418826	75	73
6418827	76	77
6418828	76	73
6418829	74	78
6418830	73	80
6418831	73	74
6418832	74	80
Blank	76	79
LCS	91	79
LCSD	90	80
Limits:	60-120	58-146

Analysis Name: TPH-DRO/RRO (AK) water
Batch number: 112730003A

	Orthoterphenyl	n-Triacontane-d62
6418827	85	107
6418828	114	85
6418829	117	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1268242
Reported: 10/06/11 at 05:26 PM

Surrogate Quality Control

6418830	102	87
6418831	113	110
Blank	99	82
LCS	105	85
LCSD	107	90
Limits:	50-150	50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11964 Sample #: 6418826-32 SCR#: G# 1268242 018168

Page 1 of 1

Facility #: 1001430
Site Address: 418 ILLinois St, Fairbanks AK
Chevron PM: Dan Carner Lead Consultant:
Consultant/Office: Arcadis / Seattle
Consultant Prj. Mgr.: Greg Montgomery
Consultant Phone #: 206-726-4747 Fax #: 206-325-8218
Sampler: DC / MM
Service Order #: NW RTB-00#1001430-1-Lab ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable ☐ NPDES ☐ Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE (8021 B) ☐ 8260 ☐ Naphthalene	8260 full scan	Oxygenates	TPH G AK 101	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	DRO/RRO by AK 102/103			
✓ TH-1	9/22/11	1415	✓			✓		5	X			X					X			
✓ TH-2		1440	✓			✓		5	X			X					X			
✓ TH-5		1430	✓			✓		5	X			X					X			
✓ TH-7		1400	✓			✓		5	X			X					X			
✓ TH-10		1510	✓			✓		5	X			X					X			
✓ BD-1		—	✓			✓		5	X			X					X			
Trip Blank	—	—	—			✓		4	X			X								

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Fair-Chevron

TH-1, TH-2, TH-5, & ~~MW-25~~ (X)
Trace Sheen

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ✓ Other: Type III

	Date	Time		Date	Time
Relinquished by: Dan Carner	9/23/11	1000	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	9-24-11	900
Temperature Upon Receipt 22-4.6°			Custody Seals Intact? (Yes) No		

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

October 11, 2011

Project: 211815

Submittal Date: 09/24/2011
Group Number: 1268244
SDG: LST76
PO Number: 0015074818
Release Number: CARRIER
State of Sample Origin: AK

Client Sample Description	Lancaster Labs (LLI) #
MW-7 Grab Water Sample	6418844
MW-8 Grab Water Sample	6418845
MW-9 Grab Water Sample	6418846
MW-5 Grab Water Sample	6418847
MW-4 Grab Water Sample	6418848
MW-3 Grab Water Sample	6418849
MW-1 Grab Water Sample	6418850
AR-81 Grab Water Sample	6418851
AR-85 Grab Water Sample	6418852
BD-1 Grab Water Sample	6418853
Trip_Blank Water Sample	6418854

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Arcadis	Attn: David Beaudoin
ELECTRONIC COPY TO	Arcadis	Attn: Greg Montgomery
ELECTRONIC COPY TO	Arcadis	Attn: Russ Greisler
1 COPY TO	Data Package Group	

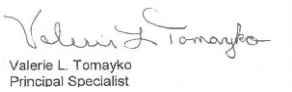
Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Questions? Contact your Client Services Representative
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,



Valerie L. Tomayko
Principal Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: MW-7 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418844
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:00 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF07 SDG#: LST76-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/l	mg/l	
10905	Acetone	67-64-1	N.D.	0.012	2
10905	t-Amyl methyl ether	994-05-8	N.D.	0.001	2
10905	Benzene	71-43-2	1.2	0.010	20
10905	Bromobenzene	108-86-1	N.D.	0.002	2
10905	Bromochloromethane	74-97-5	N.D.	0.002	2
10905	Bromodichloromethane	75-27-4	N.D.	0.002	2
10905	Bromoform	75-25-2	N.D.	0.002	2
10905	Bromomethane	74-83-9	N.D.	0.002	2
10905	2-Butanone	78-93-3	N.D.	0.006	2
10905	t-Butyl alcohol	75-65-0	N.D.	0.010	2
10905	n-Butylbenzene	104-51-8	0.004	0.002	2
10905	sec-Butylbenzene	135-98-8	0.005	0.002	2
10905	tert-Butylbenzene	98-06-6	N.D.	0.002	2
10905	Carbon Disulfide	75-15-0	N.D.	0.002	2
10905	Carbon Tetrachloride	56-23-5	N.D.	0.002	2
10905	Chlorobenzene	108-90-7	N.D.	0.002	2
10905	Chloroethane	75-00-3	N.D.	0.002	2
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.004	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.002	2
10905	Chloromethane	74-87-3	N.D.	0.002	2
10905	2-Chlorotoluene	95-49-8	N.D.	0.002	2
10905	4-Chlorotoluene	106-43-4	N.D.	0.002	2
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.004	2
10905	Dibromochloromethane	124-48-1	N.D.	0.002	2
10905	1,2-Dibromoethane	106-93-4	N.D.	0.001	2
10905	Dibromomethane	74-95-3	N.D.	0.002	2
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.002	2
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.002	2
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	2
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.004	2
10905	1,1-Dichloroethane	75-34-3	N.D.	0.002	2
10905	1,2-Dichloroethane	107-06-2	N.D.	0.001	2
10905	1,1-Dichloroethene	75-35-4	N.D.	0.002	2
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.002	2
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.002	2
10905	1,2-Dichloropropane	78-87-5	N.D.	0.002	2
10905	1,3-Dichloropropane	142-28-9	N.D.	0.002	2
10905	2,2-Dichloropropane	594-20-7	N.D.	0.002	2
10905	1,1-Dichloropropene	563-58-6	N.D.	0.002	2
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.002	2
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.002	2
10905	Ethanol	64-17-5	N.D.	0.10	2
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.001	2
10905	Ethylbenzene	100-41-4	0.21	0.001	2
10905	Freon 113	76-13-1	N.D.	0.004	2
10905	Hexachlorobutadiene	87-68-3	N.D.	0.004	2
10905	2-Hexanone	591-78-6	N.D.	0.006	2
10905	di-Isopropyl ether	108-20-3	N.D.	0.001	2

Sample Description: MW-7 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418844
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:00 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF07 SDG#: LST76-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	0.022	0.002	2
10905	p-Isopropyltoluene	99-87-6	0.003	0.002	2
10905	Methyl Tertiary Butyl Ether	1634-04-4	0.012	0.001	2
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.006	2
10905	Methylene Chloride	75-09-2	N.D.	0.004	2
10905	Naphthalene	91-20-3	0.064	0.002	2
10905	n-Propylbenzene	103-65-1	0.041	0.002	2
10905	Styrene	100-42-5	N.D.	0.002	2
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.002	2
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.002	2
10905	Tetrachloroethene	127-18-4	N.D.	0.002	2
10905	Toluene	108-88-3	0.002	0.001	2
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.002	2
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.002	2
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.002	2
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.002	2
10905	Trichloroethene	79-01-6	N.D.	0.002	2
10905	Trichlorofluoromethane	75-69-4	N.D.	0.004	2
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.002	2
10905	1,2,4-Trimethylbenzene	95-63-6	0.16	0.002	2
10905	1,3,5-Trimethylbenzene	108-67-8	0.032	0.002	2
10905	Vinyl Chloride	75-01-4	N.D.	0.002	2
10905	m+p-Xylene	n.a.	0.31	0.001	2
10905	o-Xylene	95-47-6	0.003	0.001	2
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	5.1	0.050	5
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	1.2	0.0025	5
02102	Ethylbenzene	100-41-4	0.21	0.0025	5
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.023	5
02102	Toluene	108-88-3	0.0026	0.0025	5
02102	Total Xylenes	1330-20-7	0.35	0.0075	5
	Reporting limits were raised due to sample foaming.				
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	4.3	0.48	10
02923	C25-C36 RRO	n.a.	N.D.	0.67	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

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Analysis Report

Sample Description: MW-7 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418844
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:00 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF07 SDG#: LST76-01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112741AA	10/01/2011 11:06	Stephanie A Selis	2
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112741AA	10/01/2011 11:30	Stephanie A Selis	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112741AA	10/01/2011 11:06	Stephanie A Selis	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W112741AA	10/01/2011 11:30	Stephanie A Selis	20
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 20:23	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 20:23	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 20:23	Catherine J Schwarz	5
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/07/2011 15:31	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-8 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418845
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF08 SDG#: LST76-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/l	mg/l	
10905	Acetone	67-64-1	N.D.	0.006	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.0005	1
10905	Benzene	71-43-2	0.001	0.0005	1
10905	Bromobenzene	108-86-1	N.D.	0.001	1
10905	Bromochloromethane	74-97-5	N.D.	0.001	1
10905	Bromodichloromethane	75-27-4	N.D.	0.001	1
10905	Bromoform	75-25-2	N.D.	0.001	1
10905	Bromomethane	74-83-9	N.D.	0.001	1
10905	2-Butanone	78-93-3	N.D.	0.003	1
10905	t-Butyl alcohol	75-65-0	N.D.	0.005	1
10905	n-Butylbenzene	104-51-8	N.D.	0.001	1
10905	sec-Butylbenzene	135-98-8	N.D.	0.001	1
10905	tert-Butylbenzene	98-06-6	N.D.	0.001	1
10905	Carbon Disulfide	75-15-0	N.D.	0.001	1
10905	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10905	Chlorobenzene	108-90-7	N.D.	0.0008	1
10905	Chloroethane	75-00-3	N.D.	0.001	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.0008	1
10905	Chloromethane	74-87-3	N.D.	0.001	1
10905	2-Chlorotoluene	95-49-8	N.D.	0.001	1
10905	4-Chlorotoluene	106-43-4	N.D.	0.001	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	1
10905	Dibromochloromethane	124-48-1	N.D.	0.001	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.0005	1
10905	Dibromomethane	74-95-3	N.D.	0.001	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.002	1
10905	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.0005	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.0008	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	1
10905	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10905	1,3-Dichloropropane	142-28-9	N.D.	0.001	1
10905	2,2-Dichloropropane	594-20-7	N.D.	0.001	1
10905	1,1-Dichloropropene	563-58-6	N.D.	0.001	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10905	Ethanol	64-17-5	N.D.	0.050	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.0005	1
10905	Ethylbenzene	100-41-4	0.0005	0.0005	1
10905	Freon 113	76-13-1	N.D.	0.002	1
10905	Hexachlorobutadiene	87-68-3	N.D.	0.002	1
10905	2-Hexanone	591-78-6	N.D.	0.003	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.0005	1

Sample Description: MW-8 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418845
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF08 SDG#: LST76-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	N.D.	0.001	1
10905	p-Isopropyltoluene	99-87-6	N.D.	0.001	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	0.004	0.0005	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	1
10905	Methylene Chloride	75-09-2	N.D.	0.002	1
10905	Naphthalene	91-20-3	N.D.	0.001	1
10905	n-Propylbenzene	103-65-1	N.D.	0.001	1
10905	Styrene	100-42-5	N.D.	0.001	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10905	Tetrachloroethene	127-18-4	N.D.	0.0008	1
10905	Toluene	108-88-3	N.D.	0.0005	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	1
10905	Trichloroethene	79-01-6	N.D.	0.001	1
10905	Trichlorofluoromethane	75-69-4	N.D.	0.002	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	1
10905	1,2,4-Trimethylbenzene	95-63-6	0.001	0.001	1
10905	1,3,5-Trimethylbenzene	108-67-8	0.004	0.001	1
10905	Vinyl Chloride	75-01-4	N.D.	0.001	1
10905	m+p-Xylene	n.a.	0.003	0.0005	1
10905	o-Xylene	95-47-6	N.D.	0.0005	1
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.62	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.0051	0.0005	1
02102	Ethylbenzene	100-41-4	0.0009	0.0005	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.0025	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	0.0040	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	1.9	0.047	1
02923	C25-C36 RRO	n.a.	0.27	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-8 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418845
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF08 SDG#: LST76-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112741AA	10/01/2011 11:54	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112741AA	10/01/2011 11:54	Stephanie A Selis	1
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 12:54	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 12:54	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 12:54	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/04/2011 20:37	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-9 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418846
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF09 SDG#: LST76-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Acetone	67-64-1	N.D.	0.006	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.0005	1
10905	Benzene	71-43-2	0.039	0.0005	1
10905	Bromobenzene	108-86-1	N.D.	0.001	1
10905	Bromochloromethane	74-97-5	N.D.	0.001	1
10905	Bromodichloromethane	75-27-4	N.D.	0.001	1
10905	Bromoform	75-25-2	N.D.	0.001	1
10905	Bromomethane	74-83-9	N.D.	0.001	1
10905	2-Butanone	78-93-3	N.D.	0.003	1
10905	t-Butyl alcohol	75-65-0	0.005	0.005	1
10905	n-Butylbenzene	104-51-8	N.D.	0.001	1
10905	sec-Butylbenzene	135-98-8	N.D.	0.001	1
10905	tert-Butylbenzene	98-06-6	N.D.	0.001	1
10905	Carbon Disulfide	75-15-0	N.D.	0.001	1
10905	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10905	Chlorobenzene	108-90-7	N.D.	0.0008	1
10905	Chloroethane	75-00-3	N.D.	0.001	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.0008	1
10905	Chloromethane	74-87-3	N.D.	0.001	1
10905	2-Chlorotoluene	95-49-8	N.D.	0.001	1
10905	4-Chlorotoluene	106-43-4	N.D.	0.001	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	1
10905	Dibromochloromethane	124-48-1	N.D.	0.001	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.0005	1
10905	Dibromomethane	74-95-3	N.D.	0.001	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.002	1
10905	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10905	1,2-Dichloroethane	107-06-2	0.002	0.0005	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.0008	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	1
10905	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10905	1,3-Dichloropropane	142-28-9	N.D.	0.001	1
10905	2,2-Dichloropropane	594-20-7	N.D.	0.001	1
10905	1,1-Dichloropropene	563-58-6	N.D.	0.001	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10905	Ethanol	64-17-5	N.D.	0.050	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.0005	1
10905	Ethylbenzene	100-41-4	N.D.	0.0005	1
10905	Freon 113	76-13-1	N.D.	0.002	1
10905	Hexachlorobutadiene	87-68-3	N.D.	0.002	1
10905	2-Hexanone	591-78-6	N.D.	0.003	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.0005	1

Sample Description: MW-9 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418846
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF09 SDG#: LST76-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	0.001	0.001	1
10905	p-Isopropyltoluene	99-87-6	N.D.	0.001	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	0.004	0.0005	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	1
10905	Methylene Chloride	75-09-2	N.D.	0.002	1
10905	Naphthalene	91-20-3	N.D.	0.001	1
10905	n-Propylbenzene	103-65-1	N.D.	0.001	1
10905	Styrene	100-42-5	N.D.	0.001	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10905	Tetrachloroethene	127-18-4	N.D.	0.0008	1
10905	Toluene	108-88-3	N.D.	0.0005	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	1
10905	Trichloroethene	79-01-6	N.D.	0.001	1
10905	Trichlorofluoromethane	75-69-4	N.D.	0.002	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	1
10905	1,2,4-Trimethylbenzene	95-63-6	0.001	0.001	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	1
10905	Vinyl Chloride	75-01-4	N.D.	0.001	1
10905	m+p-Xylene	n.a.	0.005	0.0005	1
10905	o-Xylene	95-47-6	0.003	0.0005	1
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.44	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.043	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Methyl tert-Butyl Ether	1634-04-4	0.011	0.0025	1
02102	Toluene	108-88-3	0.0007	0.0005	1
02102	Total Xylenes	1330-20-7	0.010	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.78	0.048	1
02923	C25-C36 RRO	n.a.	0.22	0.067	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-9 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418846
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 09:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF09 SDG#: LST76-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 03:38	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112761AA	10/03/2011 03:38	Kathrine K Muramatsu	1
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 13:21	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 13:21	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 13:21	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/04/2011 21:05	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-5 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418847
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:10 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF05 SDG#: LST76-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	5.0	0.050	5
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.53	0.0025	5
02102	Ethylbenzene	100-41-4	0.15	0.0025	5
02102	Toluene	108-88-3	0.035	0.0025	5
02102	Total Xylenes	1330-20-7	0.66	0.0075	5
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	4.2	0.48	10
02923	C25-C36 RRO	n.a.	N.D.	0.67	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 20:50	Catherine J Schwarz	5
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 20:50	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 20:50	Catherine J Schwarz	5
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/07/2011 15:58	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418848
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF04 SDG#: LST76-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/l	mg/l	
10905	Acetone	67-64-1	0.036	0.030	5
10905	t-Amyl methyl ether	994-05-8	N.D.	0.003	5
10905	Benzene	71-43-2	2.6	0.025	50
10905	Bromobenzene	108-86-1	N.D.	0.005	5
10905	Bromochloromethane	74-97-5	N.D.	0.005	5
10905	Bromodichloromethane	75-27-4	N.D.	0.005	5
10905	Bromoform	75-25-2	N.D.	0.005	5
10905	Bromomethane	74-83-9	N.D.	0.005	5
10905	2-Butanone	78-93-3	N.D.	0.015	5
10905	t-Butyl alcohol	75-65-0	0.026	0.025	5
10905	n-Butylbenzene	104-51-8	0.016	0.005	5
10905	sec-Butylbenzene	135-98-8	0.011	0.005	5
10905	tert-Butylbenzene	98-06-6	N.D.	0.005	5
10905	Carbon Disulfide	75-15-0	N.D.	0.005	5
10905	Carbon Tetrachloride	56-23-5	N.D.	0.005	5
10905	Chlorobenzene	108-90-7	N.D.	0.004	5
10905	Chloroethane	75-00-3	N.D.	0.005	5
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.010	5
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.004	5
10905	Chloromethane	74-87-3	N.D.	0.005	5
10905	2-Chlorotoluene	95-49-8	N.D.	0.005	5
10905	4-Chlorotoluene	106-43-4	N.D.	0.005	5
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.010	5
10905	Dibromochloromethane	124-48-1	N.D.	0.005	5
10905	1,2-Dibromoethane	106-93-4	N.D.	0.003	5
10905	Dibromomethane	74-95-3	N.D.	0.005	5
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.005	5
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.005	5
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.005	5
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.010	5
10905	1,1-Dichloroethane	75-34-3	N.D.	0.005	5
10905	1,2-Dichloroethane	107-06-2	0.068	0.003	5
10905	1,1-Dichloroethene	75-35-4	N.D.	0.004	5
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.004	5
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.004	5
10905	1,2-Dichloropropane	78-87-5	N.D.	0.005	5
10905	1,3-Dichloropropane	142-28-9	N.D.	0.005	5
10905	2,2-Dichloropropane	594-20-7	N.D.	0.005	5
10905	1,1-Dichloropropene	563-58-6	N.D.	0.005	5
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.005	5
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.005	5
10905	Ethanol	64-17-5	N.D.	0.25	5
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.003	5
10905	Ethylbenzene	100-41-4	1.2	0.003	5
10905	Freon 113	76-13-1	N.D.	0.010	5
10905	Hexachlorobutadiene	87-68-3	N.D.	0.010	5
10905	2-Hexanone	591-78-6	N.D.	0.015	5
10905	di-Isopropyl ether	108-20-3	N.D.	0.003	5

Sample Description: MW-4 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418848
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF04 SDG#: LST76-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	0.070	0.005	5
10905	p-Isopropyltoluene	99-87-6	0.011	0.005	5
10905	Methyl Tertiary Butyl Ether	1634-04-4	0.052	0.003	5
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.015	5
10905	Methylene Chloride	75-09-2	N.D.	0.010	5
10905	Naphthalene	91-20-3	0.26	0.005	5
10905	n-Propylbenzene	103-65-1	0.16	0.005	5
10905	Styrene	100-42-5	N.D.	0.005	5
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.005	5
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.005	5
10905	Tetrachloroethene	127-18-4	N.D.	0.004	5
10905	Toluene	108-88-3	5.0	0.025	50
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.005	5
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.005	5
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.004	5
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.004	5
10905	Trichloroethene	79-01-6	N.D.	0.005	5
10905	Trichlorofluoromethane	75-69-4	N.D.	0.010	5
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.005	5
10905	1,2,4-Trimethylbenzene	95-63-6	1.3	0.005	5
10905	1,3,5-Trimethylbenzene	108-67-8	0.40	0.005	5
10905	Vinyl Chloride	75-01-4	N.D.	0.005	5
10905	m+p-Xylene	n.a.	6.7	0.025	50
10905	o-Xylene	95-47-6	2.3	0.025	50
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	38	0.20	20
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	2.4	0.010	20
02102	Ethylbenzene	100-41-4	1.2	0.010	20
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.20	20
02102	Toluene	108-88-3	4.4	0.010	20
02102	Total Xylenes	1330-20-7	7.6	0.030	20
	Reporting limits were raised due to sample foaming.				
	Reporting limits were raised due to interference from the sample matrix.				
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	24	1.2	25
02923	C25-C36 RRO	n.a.	3.9	1.7	25

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418848
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:40 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF04 SDG#: LST76-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 09:37	Kathrine K Muramatsu	5
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 10:01	Kathrine K Muramatsu	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112761AA	10/03/2011 09:37	Kathrine K Muramatsu	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W112761AA	10/03/2011 10:01	Kathrine K Muramatsu	50
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 21:17	Catherine J Schwarz	20
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 21:17	Catherine J Schwarz	20
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 21:17	Catherine J Schwarz	20
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/07/2011 16:25	Heather E Williams	25
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-3 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418849
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF03 SDG#: LST76-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Acetone	67-64-1	N.D.	0.006	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.0005	1
10905	Benzene	71-43-2	0.003	0.0005	1
10905	Bromobenzene	108-86-1	N.D.	0.001	1
10905	Bromochloromethane	74-97-5	N.D.	0.001	1
10905	Bromodichloromethane	75-27-4	N.D.	0.001	1
10905	Bromoform	75-25-2	N.D.	0.001	1
10905	Bromomethane	74-83-9	N.D.	0.001	1
10905	2-Butanone	78-93-3	N.D.	0.003	1
10905	t-Butyl alcohol	75-65-0	N.D.	0.005	1
10905	n-Butylbenzene	104-51-8	N.D.	0.001	1
10905	sec-Butylbenzene	135-98-8	N.D.	0.001	1
10905	tert-Butylbenzene	98-06-6	N.D.	0.001	1
10905	Carbon Disulfide	75-15-0	N.D.	0.001	1
10905	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10905	Chlorobenzene	108-90-7	N.D.	0.0008	1
10905	Chloroethane	75-00-3	N.D.	0.001	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.0008	1
10905	Chloromethane	74-87-3	N.D.	0.001	1
10905	2-Chlorotoluene	95-49-8	N.D.	0.001	1
10905	4-Chlorotoluene	106-43-4	N.D.	0.001	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	1
10905	Dibromochloromethane	124-48-1	N.D.	0.001	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.0005	1
10905	Dibromomethane	74-95-3	N.D.	0.001	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.002	1
10905	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.0005	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.0008	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	1
10905	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10905	1,3-Dichloropropane	142-28-9	N.D.	0.001	1
10905	2,2-Dichloropropane	594-20-7	N.D.	0.001	1
10905	1,1-Dichloropropene	563-58-6	N.D.	0.001	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10905	Ethanol	64-17-5	N.D.	0.050	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.0005	1
10905	Ethylbenzene	100-41-4	0.0005	0.0005	1
10905	Freon 113	76-13-1	N.D.	0.002	1
10905	Hexachlorobutadiene	87-68-3	N.D.	0.002	1
10905	2-Hexanone	591-78-6	N.D.	0.003	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.0005	1

Sample Description: MW-3 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418849
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF03 SDG#: LST76-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	N.D.	0.001	1
10905	p-Isopropyltoluene	99-87-6	N.D.	0.001	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	1
10905	Methylene Chloride	75-09-2	N.D.	0.002	1
10905	Naphthalene	91-20-3	N.D.	0.001	1
10905	n-Propylbenzene	103-65-1	N.D.	0.001	1
10905	Styrene	100-42-5	N.D.	0.001	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10905	Tetrachloroethene	127-18-4	N.D.	0.0008	1
10905	Toluene	108-88-3	N.D.	0.0005	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	1
10905	Trichloroethene	79-01-6	N.D.	0.001	1
10905	Trichlorofluoromethane	75-69-4	0.003	0.002	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	1
10905	Vinyl Chloride	75-01-4	N.D.	0.001	1
10905	m+p-Xylene	n.a.	0.001	0.0005	1
10905	o-Xylene	95-47-6	0.002	0.0005	1
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.057	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.0019	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.0025	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	0.0026	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	1.8	0.047	1
02923	C25-C36 RRO	n.a.	1.3	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-3 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418849
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 10:25 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF03 SDG#: LST76-06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 04:02	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112761AA	10/03/2011 04:02	Kathrine K Muramatsu	1
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 13:48	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 13:48	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 13:48	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/04/2011 22:26	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-1 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418850
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 11:55 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF01 SDG#: LST76-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.055	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.46	0.047	1
02923	C25-C36 RRO	n.a.	0.42	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 14:14	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 14:14	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 14:14	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/04/2011 22:54	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: AR-81 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418851
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 11:45 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF81 SDG#: LST76-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.28	0.047	1
02923	C25-C36 RRO	n.a.	0.33	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 14:41	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 14:41	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 14:41	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/04/2011 23:48	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: AR-85 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418852
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 11:30 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSF85 SDG#: LST76-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.28	0.047	1
02923	C25-C36 RRO	n.a.	0.26	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 15:08	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 15:08	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 15:08	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/05/2011 00:15	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: BD-1 Grab Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418853
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011 by DC

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSFFD SDG#: LST76-10FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	36	0.10	10
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	2.3	0.0050	10
02102	Ethylbenzene	100-41-4	1.1	0.0050	10
02102	Toluene	108-88-3	4.0	0.0050	10
02102	Total Xylenes	1330-20-7	6.8	0.015	10
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	21	0.97	20
02923	C25-C36 RRO	n.a.	4.6	1.4	20

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 21:43	Catherine J Schwarz	10
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 21:43	Catherine J Schwarz	10
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 21:43	Catherine J Schwarz	10
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112720006A	10/07/2011 16:53	Heather E Williams	20
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112720006A	09/29/2011 15:30	Kathryn I DeHaven	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: Trip_Blank Water Sample
Facility# 211815
410 Driveway Street - Fairbanks, AK

LLI Sample # WW 6418854
LLI Group # 1268244
Account # 11964

Project Name: 211815

Collected: 09/22/2011

Submitted: 09/24/2011 09:00
Reported: 10/11/2011 23:13

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

DSFTB SDG#: LST76-11TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 12:28	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 12:28	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 12:28	Catherine J Schwarz	1

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W112741AA	Sample number(s): 6418844-6418845							
Acetone	N.D.	0.006	mg/l	136		49-234		
t-Amyl methyl ether	N.D.	0.0005	mg/l	95		77-120		
Benzene	N.D.	0.0005	mg/l	95		79-120		
Bromobenzene	N.D.	0.001	mg/l	102		80-120		
Bromochloromethane	N.D.	0.001	mg/l	111		80-120		
Bromodichloromethane	N.D.	0.001	mg/l	85		80-120		
Bromoform	N.D.	0.001	mg/l	86		61-120		
Bromomethane	N.D.	0.001	mg/l	44		44-120		
2-Butanone	N.D.	0.003	mg/l	109		66-151		
t-Butyl alcohol	N.D.	0.005	mg/l	91		62-129		
n-Butylbenzene	N.D.	0.001	mg/l	99		74-120		
sec-Butylbenzene	N.D.	0.001	mg/l	102		78-120		
tert-Butylbenzene	N.D.	0.001	mg/l	99		80-120		
Carbon Disulfide	N.D.	0.001	mg/l	75		62-120		
Carbon Tetrachloride	N.D.	0.001	mg/l	86		75-123		
Chlorobenzene	N.D.	0.0008	mg/l	96		80-120		
Chloroethane	N.D.	0.001	mg/l	71		49-129		
2-Chloroethyl Vinyl Ether	N.D.	0.002	mg/l	75		56-129		
Chloroform	N.D.	0.0008	mg/l	92		77-122		
Chloromethane	N.D.	0.001	mg/l	79		60-129		
2-Chlorotoluene	N.D.	0.001	mg/l	101		80-120		
4-Chlorotoluene	N.D.	0.001	mg/l	102		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.002	mg/l	89		56-126		
Dibromochloromethane	N.D.	0.001	mg/l	85		80-120		
1,2-Dibromoethane	N.D.	0.0005	mg/l	93		80-120		
Dibromomethane	N.D.	0.001	mg/l	91		80-120		
1,2-Dichlorobenzene	N.D.	0.001	mg/l	97		80-120		
1,3-Dichlorobenzene	N.D.	0.001	mg/l	99		80-120		
1,4-Dichlorobenzene	N.D.	0.001	mg/l	98		80-120		
Dichlorodifluoromethane	N.D.	0.002	mg/l	56		47-120		
1,1-Dichloroethane	N.D.	0.001	mg/l	96		79-120		
1,2-Dichloroethane	N.D.	0.0005	mg/l	87		70-130		
1,1-Dichloroethene	N.D.	0.0008	mg/l	83		74-123		
cis-1,2-Dichloroethene	N.D.	0.0008	mg/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.0008	mg/l	94		80-120		
1,2-Dichloropropane	N.D.	0.001	mg/l	97		78-120		
1,3-Dichloropropane	N.D.	0.001	mg/l	96		80-120		
2,2-Dichloropropane	N.D.	0.001	mg/l	88		77-124		
1,1-Dichloropropene	N.D.	0.001	mg/l	95		80-120		
cis-1,3-Dichloropropene	N.D.	0.001	mg/l	91		80-120		
trans-1,3-Dichloropropene	N.D.	0.001	mg/l	89		79-120		
Ethanol	N.D.	0.050	mg/l	63		54-149		
Ethyl t-butyl ether	N.D.	0.0005	mg/l	95		76-120		
Ethylbenzene	N.D.	0.0005	mg/l	95		79-120		
Freon 113	N.D.	0.002	mg/l	79		69-128		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Hexachlorobutadiene	N.D.	0.002	mg/l	80		58-120		
2-Hexanone	N.D.	0.003	mg/l	93		65-136		
di-Isopropyl ether	N.D.	0.0005	mg/l	98		71-124		
Isopropylbenzene	N.D.	0.001	mg/l	94		77-120		
p-Isopropyltoluene	N.D.	0.001	mg/l	100		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/l	95		76-120		
4-Methyl-2-pentanone	N.D.	0.003	mg/l	91		70-121		
Methylene Chloride	N.D.	0.002	mg/l	96		80-120		
Naphthalene	N.D.	0.001	mg/l	89		62-120		
n-Propylbenzene	N.D.	0.001	mg/l	103		80-120		
Styrene	N.D.	0.001	mg/l	91		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.001	mg/l	88		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	mg/l	100		71-120		
Tetrachloroethene	N.D.	0.0008	mg/l	90		80-121		
Toluene	N.D.	0.0005	mg/l	95		79-120		
1,2,3-Trichlorobenzene	N.D.	0.001	mg/l	79		65-120		
1,2,4-Trichlorobenzene	N.D.	0.001	mg/l	83		67-120		
1,1,1-Trichloroethane	N.D.	0.0008	mg/l	89		75-127		
1,1,2-Trichloroethane	N.D.	0.0008	mg/l	94		80-120		
Trichloroethene	N.D.	0.001	mg/l	93		80-120		
Trichlorofluoromethane	N.D.	0.002	mg/l	64		64-129		
1,2,3-Trichloropropane	N.D.	0.001	mg/l	100		80-120		
1,2,4-Trimethylbenzene	N.D.	0.001	mg/l	103		74-120		
1,3,5-Trimethylbenzene	N.D.	0.001	mg/l	103		75-120		
Vinyl Chloride	N.D.	0.001	mg/l	79		65-125		
m+p-Xylene	N.D.	0.0005	mg/l	95		80-120		
o-Xylene	N.D.	0.0005	mg/l	93		80-120		
Batch number: W112761AA	Sample number(s): 6418846,6418848-6418849							
Acetone	N.D.	0.006	mg/l	149		49-234		
t-Amyl methyl ether	N.D.	0.0005	mg/l	94		77-120		
Benzene	N.D.	0.0005	mg/l	94		79-120		
Bromobenzene	N.D.	0.001	mg/l	97		80-120		
Bromochloromethane	N.D.	0.001	mg/l	113		80-120		
Bromodichloromethane	N.D.	0.001	mg/l	93		80-120		
Bromoform	N.D.	0.001	mg/l	101		61-120		
Bromomethane	N.D.	0.001	mg/l	78		44-120		
2-Butanone	N.D.	0.003	mg/l	119		66-151		
t-Butyl alcohol	N.D.	0.005	mg/l	101		62-129		
n-Butylbenzene	N.D.	0.001	mg/l	90		74-120		
sec-Butylbenzene	N.D.	0.001	mg/l	93		78-120		
tert-Butylbenzene	N.D.	0.001	mg/l	94		80-120		
Carbon Disulfide	N.D.	0.001	mg/l	69		62-120		
Carbon Tetrachloride	N.D.	0.001	mg/l	90		75-123		
Chlorobenzene	N.D.	0.0008	mg/l	97		80-120		
Chloroethane	N.D.	0.001	mg/l	88		49-129		
2-Chloroethyl Vinyl Ether	N.D.	0.002	mg/l	73		56-129		
Chloroform	N.D.	0.0008	mg/l	95		77-122		
Chloromethane	N.D.	0.001	mg/l	87		60-129		
2-Chlorotoluene	N.D.	0.001	mg/l	95		80-120		
4-Chlorotoluene	N.D.	0.001	mg/l	96		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.002	mg/l	84		56-126		
Dibromochloromethane	N.D.	0.001	mg/l	95		80-120		
1,2-Dibromoethane	N.D.	0.0005	mg/l	95		80-120		
Dibromomethane	N.D.	0.001	mg/l	95		80-120		
1,2-Dichlorobenzene	N.D.	0.001	mg/l	98		80-120		
1,3-Dichlorobenzene	N.D.	0.001	mg/l	97		80-120		
1,4-Dichlorobenzene	N.D.	0.001	mg/l	96		80-120		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Dichlorodifluoromethane	N.D.	0.002	mg/l	67		47-120		
1,1-Dichloroethane	N.D.	0.001	mg/l	95		79-120		
1,2-Dichloroethane	N.D.	0.0005	mg/l	95		70-130		
1,1-Dichloroethene	N.D.	0.0008	mg/l	86		74-123		
cis-1,2-Dichloroethene	N.D.	0.0008	mg/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.0008	mg/l	90		80-120		
1,2-Dichloropropane	N.D.	0.001	mg/l	97		78-120		
1,3-Dichloropropane	N.D.	0.001	mg/l	96		80-120		
2,2-Dichloropropane	N.D.	0.001	mg/l	89		77-124		
1,1-Dichloropropene	N.D.	0.001	mg/l	91		80-120		
cis-1,3-Dichloropropene	N.D.	0.001	mg/l	94		80-120		
trans-1,3-Dichloropropene	N.D.	0.001	mg/l	91		79-120		
Ethanol	N.D.	0.050	mg/l	132		54-149		
Ethyl t-butyl ether	N.D.	0.0005	mg/l	95		76-120		
Ethylbenzene	N.D.	0.0005	mg/l	95		79-120		
Freon 113	N.D.	0.002	mg/l	87		69-128		
Hexachlorobutadiene	N.D.	0.002	mg/l	89		58-120		
2-Hexanone	N.D.	0.003	mg/l	102		65-136		
di-Isopropyl ether	N.D.	0.0005	mg/l	103		71-124		
Isopropylbenzene	N.D.	0.001	mg/l	96		77-120		
p-Isopropyltoluene	N.D.	0.001	mg/l	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/l	95		76-120		
4-Methyl-2-pentanone	N.D.	0.003	mg/l	99		70-121		
Methylene Chloride	N.D.	0.002	mg/l	89		80-120		
Naphthalene	N.D.	0.001	mg/l	81		62-120		
n-Propylbenzene	N.D.	0.001	mg/l	94		80-120		
Styrene	N.D.	0.001	mg/l	94		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.001	mg/l	95		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	mg/l	96		71-120		
Tetrachloroethene	N.D.	0.0008	mg/l	98		80-121		
Toluene	N.D.	0.0005	mg/l	95		79-120		
1,2,3-Trichlorobenzene	N.D.	0.001	mg/l	82		65-120		
1,2,4-Trichlorobenzene	N.D.	0.001	mg/l	85		67-120		
1,1,1-Trichloroethane	N.D.	0.0008	mg/l	93		75-127		
1,1,2-Trichloroethane	N.D.	0.0008	mg/l	95		80-120		
Trichloroethene	N.D.	0.001	mg/l	93		80-120		
Trichlorofluoromethane	N.D.	0.002	mg/l	94		64-129		
1,2,3-Trichloropropane	N.D.	0.001	mg/l	93		80-120		
1,2,4-Trimethylbenzene	N.D.	0.001	mg/l	93		74-120		
1,3,5-Trimethylbenzene	N.D.	0.001	mg/l	94		75-120		
Vinyl Chloride	N.D.	0.001	mg/l	85		65-125		
m+p-Xylene	N.D.	0.0005	mg/l	96		80-120		
o-Xylene	N.D.	0.0005	mg/l	96		80-120		
Batch number: 11272A53A	Sample number(s): 6418844-6418854							
Benzene	N.D.	0.0002	mg/l	105	100	80-120	5	30
Ethylbenzene	N.D.	0.0002	mg/l	100	100	80-120	0	30
Methyl tert-Butyl Ether	N.D.	0.0003	mg/l	90	90	78-125	0	30
Toluene	N.D.	0.0002	mg/l	105	105	80-120	0	30
TPH-GRO AK water C6-C10	N.D.	0.010	mg/l	100	100	60-120	0	20
Total Xylenes	N.D.	0.0006	mg/l	105	105	80-120	0	30
Batch number: 112720006A	Sample number(s): 6418844-6418853							
C10-<C25 DRO	N.D.	0.050	mg/l	79	89	75-125	12	20
C25-C36 RRO	N.D.	0.070	mg/l	92	100	60-120	9	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W112741AA	Sample number(s): 6418844-6418845 UNSPK: P413072								
Acetone	81	84	52-139	3	30				
t-Amyl methyl ether	96	98	75-122	2	30				
Benzene	101	102	80-126	1	30				
Bromobenzene	104	107	82-115	3	30				
Bromochloromethane	113	114	83-123	0	30				
Bromodichloromethane	89	90	78-125	1	30				
Bromoform	88	92	60-121	4	30				
Bromomethane	53	54	38-149	2	30				
2-Butanone	81	83	57-138	2	30				
t-Butyl alcohol	97	97	67-119	0	30				
n-Butylbenzene	104	106	73-128	1	30				
sec-Butylbenzene	109	111	79-125	2	30				
tert-Butylbenzene	108	108	81-121	0	30				
Carbon Disulfide	80	82	67-135	3	30				
Carbon Tetrachloride	93	95	81-138	2	30				
Chlorobenzene	105	106	87-124	1	30				
Chloroethane	78	71	51-145	10	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	95	97	81-134	2	30				
Chloromethane	84	84	67-154	1	30				
2-Chlorotoluene	109	110	82-118	1	30				
4-Chlorotoluene	109	111	84-122	2	30				
1,2-Dibromo-3-chloropropane	86	90	54-134	4	30				
Dibromochloromethane	90	91	74-116	1	30				
1,2-Dibromoethane	98	99	77-116	0	30				
Dibromomethane	91	93	83-119	2	30				
1,2-Dichlorobenzene	102	104	84-119	2	30				
1,3-Dichlorobenzene	105	107	86-121	1	30				
1,4-Dichlorobenzene	103	106	85-121	3	30				
Dichlorodifluoromethane	70	68	52-129	3	30				
1,1-Dichloroethane	100	102	84-129	2	30				
1,2-Dichloroethane	89	92	66-141	3	30				
1,1-Dichloroethene	92	92	85-142	0	30				
cis-1,2-Dichloroethene	101	104	85-125	3	30				
trans-1,2-Dichloroethene	99	101	87-126	2	30				
1,2-Dichloropropane	100	103	83-124	2	30				
1,3-Dichloropropane	103	101	81-120	1	30				
2,2-Dichloropropane	94	96	81-135	2	30				
1,1-Dichloropropene	100	104	86-137	4	30				
cis-1,3-Dichloropropene	95	94	75-125	1	30				
trans-1,3-Dichloropropene	95	94	74-119	1	30				
Ethanol	69	61	53-146	12	30				
Ethyl t-butyl ether	98	98	74-122	1	30				
Ethylbenzene	103	104	71-134	1	30				
Freon 113	95	93	89-148	2	30				
Hexachlorobutadiene	82	81	56-134	1	30				
2-Hexanone	85	87	55-127	2	30				
di-Isopropyl ether	101	102	70-129	1	30				
Isopropylbenzene	104	104	75-128	0	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
p-Isopropyltoluene	107	108	76-123	1	30				
Methyl Tertiary Butyl Ether	95	98	72-126	2	30				
4-Methyl-2-pentanone	87	88	63-123	2	30				
Methylene Chloride	98	98	79-120	0	30				
Naphthalene	96	98	52-125	2	30				
n-Propylbenzene	112	112	74-134	0	30				
Styrene	99	100	78-125	1	30				
1,1,1,2-Tetrachloroethane	95	97	82-119	3	30				
1,1,2,2-Tetrachloroethane	103	105	72-128	3	30				
Tetrachloroethene	99	98	80-128	1	30				
Toluene	103	105	80-125	1	30				
1,2,3-Trichlorobenzene	87	88	69-119	1	30				
1,2,4-Trichlorobenzene	88	90	70-124	2	30				
1,1,1-Trichloroethane	95	97	80-143	1	30				
1,1,2-Trichloroethane	100	99	77-124	1	30				
Trichloroethene	97	102	88-133	4	30				
Trichlorofluoromethane	76	75	73-152	0	30				
1,2,3-Trichloropropane	98	102	76-118	4	30				
1,2,4-Trimethylbenzene	109	113	72-130	3	30				
1,3,5-Trimethylbenzene	110	110	72-131	1	30				
Vinyl Chloride	86	85	66-133	2	30				
m+p-Xylene	104	106	79-125	1	30				
o-Xylene	102	102	79-125	0	30				
Batch number: W112761AA	Sample number(s): 6418846,6418848-6418849 UNSPK: 6418849								
Acetone	91	96	52-139	5	30				
t-Amyl methyl ether	95	98	75-122	3	30				
Benzene	105	98	80-126	6	30				
Bromobenzene	98	103	82-115	5	30				
Bromochloromethane	122	119	83-123	3	30				
Bromodichloromethane	95	97	78-125	2	30				
Bromoform	99	100	60-121	1	30				
Bromomethane	90	90	38-149	0	30				
2-Butanone	96	101	57-138	4	30				
t-Butyl alcohol	100	103	67-119	3	30				
n-Butylbenzene	98	102	73-128	3	30				
sec-Butylbenzene	100	105	79-125	4	30				
tert-Butylbenzene	102	104	81-121	3	30				
Carbon Disulfide	76	80	67-135	6	30				
Carbon Tetrachloride	100	102	81-138	2	30				
Chlorobenzene	102	102	87-124	1	30				
Chloroethane	110	109	51-145	0	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	100	102	81-134	3	30				
Chloromethane	94	98	67-154	4	30				
2-Chlorotoluene	98	102	82-118	4	30				
4-Chlorotoluene	99	103	84-122	4	30				
1,2-Dibromo-3-chloropropane	82	86	54-134	5	30				
Dibromochloromethane	95	97	74-116	2	30				
1,2-Dibromoethane	97	99	77-116	3	30				
Dibromomethane	95	98	83-119	3	30				
1,2-Dichlorobenzene	101	104	84-119	4	30				
1,3-Dichlorobenzene	97	104	86-121	7	30				

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Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,4-Dichlorobenzene	98	103	85-121	5	30				
Dichlorodifluoromethane	80	79	52-129	2	30				
1,1-Dichloroethane	100	103	84-129	3	30				
1,2-Dichloroethane	99	100	66-141	1	30				
1,1-Dichloroethene	95	100	85-142	5	30				
cis-1,2-Dichloroethene	98	102	85-125	4	30				
trans-1,2-Dichloroethene	99	101	87-126	2	30				
1,2-Dichloropropane	100	103	83-124	3	30				
1,3-Dichloropropane	96	101	81-120	5	30				
2,2-Dichloropropane	95	98	81-135	4	30				
1,1-Dichloropropene	101	103	86-137	2	30				
cis-1,3-Dichloropropene	91	97	75-125	6	30				
trans-1,3-Dichloropropene	91	95	74-119	4	30				
Ethanol	101	98	53-146	2	30				
Ethyl t-butyl ether	97	101	74-122	4	30				
Ethylbenzene	102	101	71-134	1	30				
Freon 113	104	105	89-148	1	30				
Hexachlorobutadiene	99	102	56-134	3	30				
2-Hexanone	95	101	55-127	5	30				
di-Isopropyl ether	104	108	70-129	4	30				
Isopropylbenzene	104	106	75-128	1	30				
p-Isopropyltoluene	99	104	76-123	4	30				
Methyl Tertiary Butyl Ether	96	97	72-126	2	30				
4-Methyl-2-pentanone	101	104	63-123	3	30				
Methylene Chloride	99	101	79-120	2	30				
Naphthalene	87	92	52-125	6	30				
n-Propylbenzene	102	105	74-134	2	30				
Styrene	97	100	78-125	3	30				
1,1,1,2-Tetrachloroethane	96	99	82-119	3	30				
1,1,2,2-Tetrachloroethane	94	97	72-128	4	30				
Tetrachloroethene	105	108	80-128	3	30				
Toluene	101	103	80-125	2	30				
1,2,3-Trichlorobenzene	83	91	69-119	9	30				
1,2,4-Trichlorobenzene	84	90	70-124	7	30				
1,1,1-Trichloroethane	101	101	80-143	0	30				
1,1,2-Trichloroethane	97	100	77-124	3	30				
Trichloroethene	100	101	88-133	1	30				
Trichlorofluoromethane	112	108	73-152	2	30				
1,2,3-Trichloropropane	93	97	76-118	4	30				
1,2,4-Trimethylbenzene	102	103	72-130	1	30				
1,3,5-Trimethylbenzene	99	102	72-131	2	30				
Vinyl Chloride	97	97	66-133	0	30				
m+p-Xylene	103	104	79-125	0	30				
o-Xylene	103	101	79-125	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Surrogate Quality Control

Analysis Name: VOCs by 8260B(Extended) -Water
Batch number: W112741AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6418844	92	98	99	95
6418845	94	101	99	94
Blank	96	103	101	95
LCS	98	105	100	99
MS	96	102	102	98
MSD	96	102	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs by 8260B(Extended) -Water
Batch number: W112761AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6418846	96	95	96	91
6418848	95	99	95	98
6418849	98	99	97	88
Blank	98	99	97	88
LCS	101	102	98	95
MS	100	104	97	95
MSD	100	103	98	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Method 8021 Water Master
Batch number: 11272A53A

	Trifluorotoluene-F	Trifluorotoluene-P
6418844	80	83
6418845	87	88
6418846	87	90
6418847	91	88
6418848	85	84
6418849	74	80
6418850	83	80
6418851	74	80
6418852	74	81
6418853	92	89
6418854	74	79
Blank	74	79
LCS	90	81
LCSD	90	80
Limits:	60-120	58-146

Analysis Name: TPH-DRO/RRO (AK) water
Batch number: 112720006A

	Orthoterphenyl	n-Triacontane-d62
6418844	153*	112
6418845	108	96
6418846	109	91
6418847	150	114
6418848	127	124

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268244
Reported: 10/11/11 at 11:13 PM

Surrogate Quality Control

6418849	104	97
6418850	114	98
6418851	99	85
6418852	101	87
6418853	122	117
Blank	107	88
LCS	101	85
LCSD	108	100
Limits:	50-150	50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11964 Sample #: 6418844-54 SCR#: C#1268244

018180

Page 1 of 1

Facility #: 211815
Site Address: 410 Driveway Street Fairbanks, AK
Chevron PM: Dan Carrier Lead Consultant:
Consultant/Office: Arcadis / Seattle WA
Consultant Prj. Mgr.: Greg Montgomery
Consultant Phone #: 206-726-4747 Fax #: 206-325-8218
Sampler: DC / MM
Service Order #: NWRTB-00-211815 Non SAP Lab

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8021	8260 full scan	Oxygenates	IPHE	PCE / DCE 8260	TPH D	Lead Total	VPHEPH MTBE 8021b	NWTPH H HCID	AK 102/103	GRO AK 101	BTEX 8021b	VOC 8260b
✓ MW-7	9/22/11	0900	✓			✓			10								✓		✓	✓	✓	✓
✓ MW-8	9/22/11	0925	✓			✓			10								✓		✓	✓	✓	✓
✓ MW-9	9/22/11	0940	✓			✓			10								✓		✓	✓	✓	✓
✓ MW-5	9/22/11	1010	✓			✓			6										✓	✓	✓	
✓ MW-4	9/22/11	1040	✓			✓			13					✓			✓		✓	✓	✓	✓
✓ MW-3	9/22/11	1025	✓			✓			13					✓			✓		✓	✓	✓	✓
✓ MW-1	9/22/11	1155	✓			✓			6										✓	✓	✓	
✓ AR-81	9/22/11	1145 (DC)	✓			✓			6										✓	✓	✓	
✓ AR-85	9/22/11	1130	✓			✓			6										✓	✓	✓	
✓ BD-1	9/22/11	—	✓			✓			6										✓	✓	✓	
Trip Blank	—	—	—			✓			4											✓	✓	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Comments / Remarks
Fair Texaco

AR-81 at 1145 (DC)
AR-85 at 1130

Trace Sheen MW-4

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ✓ Other Type III

Relinquished by:	Date	Time	Received by:	Date	Time
David Dupes	9/23/11	1000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by: Bradley Bailey	Date 9-24-11	Time 900

Temperature Upon Receipt 2.2-4.8 C°
Custody Seals Intact? (Yes) No

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

October 12, 2011

Project: 306456

Submittal Date: 09/27/2011
Group Number: 1268441
SDG: LST77
PO Number: 0015074818
Release Number: CARRIER
State of Sample Origin: AK

Client Sample Description	Lancaster Labs (LLI) #
MW-14 Grab Water Sample	6419907
MW-2 Grab Water Sample	6419908
MW-1 Grab Water Sample	6419909
MW-3 Grab Water Sample	6419910
MW-4 Grab Water Sample	6419911
MW-6 Grab Water Sample	6419912
GEI-10 Grab Water Sample	6419913
K-5 Grab Water Sample	6419914
GEI-5 Grab Water Sample	6419915
K-7 Grab Water Sample	6419916
GEI-6 Grab Water Sample	6419917
BD-1 Grab Water Sample	6419918
Trip Blank Water Sample	6419919

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO Arcadis Attn: Greg Montgomery
1 COPY TO Data Package Group

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Elizabeth A Leonhardt at (510) 232-8894

Respectfully Submitted,

Sarah M. Snyder
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: MW-14 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419907
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 13:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR14 SDG#: LST77-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Acetone	67-64-1	N.D.	0.006	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.0005	1
10905	Benzene	71-43-2	0.006	0.0005	1
10905	Bromobenzene	108-86-1	N.D.	0.001	1
10905	Bromochloromethane	74-97-5	N.D.	0.001	1
10905	Bromodichloromethane	75-27-4	N.D.	0.001	1
10905	Bromoform	75-25-2	N.D.	0.001	1
10905	Bromomethane	74-83-9	N.D.	0.001	1
10905	2-Butanone	78-93-3	N.D.	0.003	1
10905	t-Butyl alcohol	75-65-0	N.D.	0.005	1
10905	n-Butylbenzene	104-51-8	N.D.	0.001	1
10905	sec-Butylbenzene	135-98-8	N.D.	0.001	1
10905	tert-Butylbenzene	98-06-6	N.D.	0.001	1
10905	Carbon Disulfide	75-15-0	N.D.	0.001	1
10905	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10905	Chlorobenzene	108-90-7	N.D.	0.0008	1
10905	Chloroethane	75-00-3	N.D.	0.001	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.0008	1
10905	Chloromethane	74-87-3	N.D.	0.001	1
10905	2-Chlorotoluene	95-49-8	N.D.	0.001	1
10905	4-Chlorotoluene	106-43-4	N.D.	0.001	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	1
10905	Dibromochloromethane	124-48-1	N.D.	0.001	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.0005	1
10905	Dibromomethane	74-95-3	N.D.	0.001	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.002	1
10905	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.0005	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.0008	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	1
10905	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10905	1,3-Dichloropropane	142-28-9	N.D.	0.001	1
10905	2,2-Dichloropropane	594-20-7	N.D.	0.001	1
10905	1,1-Dichloropropene	563-58-6	N.D.	0.001	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10905	Ethanol	64-17-5	N.D.	0.050	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.0005	1
10905	Ethylbenzene	100-41-4	0.002	0.0005	1
10905	Freon 113	76-13-1	N.D.	0.002	1
10905	Hexachlorobutadiene	87-68-3	N.D.	0.002	1
10905	2-Hexanone	591-78-6	N.D.	0.003	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.0005	1

Sample Description: MW-14 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419907
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 13:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR14 SDG#: LST77-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	0.001	0.001	1
10905	p-Isopropyltoluene	99-87-6	N.D.	0.001	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	1
10905	Methylene Chloride	75-09-2	N.D.	0.002	1
10905	Naphthalene	91-20-3	0.002	0.001	1
10905	n-Propylbenzene	103-65-1	N.D.	0.001	1
10905	Styrene	100-42-5	N.D.	0.001	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10905	Tetrachloroethene	127-18-4	N.D.	0.0008	1
10905	Toluene	108-88-3	N.D.	0.0005	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	1
10905	Trichloroethene	79-01-6	N.D.	0.001	1
10905	Trichlorofluoromethane	75-69-4	0.008	0.002	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	1
10905	1,2,4-Trimethylbenzene	95-63-6	0.003	0.001	1
10905	1,3,5-Trimethylbenzene	108-67-8	0.001	0.001	1
10905	Vinyl Chloride	75-01-4	N.D.	0.001	1
10905	m+p-Xylene	n.a.	0.003	0.0005	1
10905	o-Xylene	95-47-6	0.003	0.0005	1
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.30	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.012	0.0005	1
02102	Ethylbenzene	100-41-4	0.0028	0.0005	1
02102	Methyl tert-Butyl Ether	1634-04-4	0.0046	0.0025	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	0.0089	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.82	0.047	1
02923	C25-C36 RRO	n.a.	0.40	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-14 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419907
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 13:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR14 SDG#: LST77-01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 05:13	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112761AA	10/03/2011 05:13	Kathrine K Muramatsu	1
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 15:35	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 15:35	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 15:35	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 11:03	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-2 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419908
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 14:55 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-2 SDG#: LST77-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.025	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.71	0.047	1
02923	C25-C36 RRO	n.a.	0.36	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 16:02	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 16:02	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 16:02	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 11:30	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-1 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419909
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 15:10 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-1 SDG#: LST77-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.037	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.11	0.048	1
02923	C25-C36 RRO	n.a.	N.D.	0.067	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 16:29	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 16:29	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 16:29	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 12:25	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-3 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419910
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 15:20 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-3 SDG#: LST77-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.40	0.10	10
	Reporting limits were raised due to sample foaming.				
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.022	0.0050	10
02102	Ethylbenzene	100-41-4	0.0069	0.0050	10
02102	Toluene	108-88-3	0.0093	0.0050	10
02102	Total Xylenes	1330-20-7	0.063	0.015	10
	Reporting limits were raised due to sample foaming.				
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	7.5	0.96	20
02923	C25-C36 RRO	n.a.	N.D.	1.3	20

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 17:42	Marie D John	10
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 17:42	Marie D John	10
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 17:42	Marie D John	10
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 03:26	Heather E Williams	20
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419911
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 15:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-4 SDG#: LST77-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Acetone	67-64-1	N.D.	0.006	1
10905	t-Amyl methyl ether	994-05-8	N.D.	0.0005	1
10905	Benzene	71-43-2	N.D.	0.0005	1
10905	Bromobenzene	108-86-1	N.D.	0.001	1
10905	Bromochloromethane	74-97-5	N.D.	0.001	1
10905	Bromodichloromethane	75-27-4	N.D.	0.001	1
10905	Bromoform	75-25-2	N.D.	0.001	1
10905	Bromomethane	74-83-9	N.D.	0.001	1
10905	2-Butanone	78-93-3	N.D.	0.003	1
10905	t-Butyl alcohol	75-65-0	N.D.	0.005	1
10905	n-Butylbenzene	104-51-8	N.D.	0.001	1
10905	sec-Butylbenzene	135-98-8	N.D.	0.001	1
10905	tert-Butylbenzene	98-06-6	N.D.	0.001	1
10905	Carbon Disulfide	75-15-0	N.D.	0.001	1
10905	Carbon Tetrachloride	56-23-5	N.D.	0.001	1
10905	Chlorobenzene	108-90-7	N.D.	0.0008	1
10905	Chloroethane	75-00-3	N.D.	0.001	1
10905	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	0.002	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10905	Chloroform	67-66-3	N.D.	0.0008	1
10905	Chloromethane	74-87-3	N.D.	0.001	1
10905	2-Chlorotoluene	95-49-8	N.D.	0.001	1
10905	4-Chlorotoluene	106-43-4	N.D.	0.001	1
10905	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	0.002	1
10905	Dibromochloromethane	124-48-1	N.D.	0.001	1
10905	1,2-Dibromoethane	106-93-4	N.D.	0.0005	1
10905	Dibromomethane	74-95-3	N.D.	0.001	1
10905	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	1
10905	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	1
10905	1,4-Dichlorobenzene	106-46-7	N.D.	0.001	1
10905	Dichlorodifluoromethane	75-71-8	N.D.	0.002	1
10905	1,1-Dichloroethane	75-34-3	N.D.	0.001	1
10905	1,2-Dichloroethane	107-06-2	N.D.	0.0005	1
10905	1,1-Dichloroethene	75-35-4	N.D.	0.0008	1
10905	cis-1,2-Dichloroethene	156-59-2	N.D.	0.0008	1
10905	trans-1,2-Dichloroethene	156-60-5	N.D.	0.0008	1
10905	1,2-Dichloropropane	78-87-5	N.D.	0.001	1
10905	1,3-Dichloropropane	142-28-9	N.D.	0.001	1
10905	2,2-Dichloropropane	594-20-7	N.D.	0.001	1
10905	1,1-Dichloropropene	563-58-6	N.D.	0.001	1
10905	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.001	1
10905	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.001	1
10905	Ethanol	64-17-5	N.D.	0.050	1
10905	Ethyl t-butyl ether	637-92-3	N.D.	0.0005	1
10905	Ethylbenzene	100-41-4	N.D.	0.0005	1
10905	Freon 113	76-13-1	N.D.	0.002	1
10905	Hexachlorobutadiene	87-68-3	N.D.	0.002	1
10905	2-Hexanone	591-78-6	N.D.	0.003	1
10905	di-Isopropyl ether	108-20-3	N.D.	0.0005	1

Sample Description: MW-4 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419911
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 15:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-4 SDG#: LST77-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/l**	**mg/l**	
10905	Isopropylbenzene	98-82-8	N.D.	0.001	1
10905	p-Isopropyltoluene	99-87-6	N.D.	0.001	1
10905	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.0005	1
10905	4-Methyl-2-pentanone	108-10-1	N.D.	0.003	1
10905	Methylene Chloride	75-09-2	N.D.	0.002	1
10905	Naphthalene	91-20-3	N.D.	0.001	1
10905	n-Propylbenzene	103-65-1	N.D.	0.001	1
10905	Styrene	100-42-5	N.D.	0.001	1
10905	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.001	1
10905	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	1
10905	Tetrachloroethene	127-18-4	N.D.	0.0008	1
10905	Toluene	108-88-3	N.D.	0.0005	1
10905	1,2,3-Trichlorobenzene	87-61-6	N.D.	0.001	1
10905	1,2,4-Trichlorobenzene	120-82-1	N.D.	0.001	1
10905	1,1,1-Trichloroethane	71-55-6	N.D.	0.0008	1
10905	1,1,2-Trichloroethane	79-00-5	N.D.	0.0008	1
10905	Trichloroethene	79-01-6	N.D.	0.001	1
10905	Trichlorofluoromethane	75-69-4	N.D.	0.002	1
10905	1,2,3-Trichloropropane	96-18-4	N.D.	0.001	1
10905	1,2,4-Trimethylbenzene	95-63-6	N.D.	0.001	1
10905	1,3,5-Trimethylbenzene	108-67-8	N.D.	0.001	1
10905	Vinyl Chloride	75-01-4	N.D.	0.001	1
10905	m+p-Xylene	n.a.	N.D.	0.0005	1
10905	o-Xylene	95-47-6	N.D.	0.0005	1
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Methyl tert-Butyl Ether	1634-04-4	N.D.	0.0025	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.068	0.048	1
02923	C25-C36 RRO	n.a.	0.069	0.067	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: MW-4 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419911
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 15:40 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-4 SDG#: LST77-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10905	8260 Full List w/ Sep. Xylenes	SW-846 8260B	1	W112761AA	10/03/2011 05:37	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112761AA	10/03/2011 05:37	Kathrine K Muramatsu	1
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 18:09	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 18:09	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 18:09	Marie D John	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 12:52	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-6 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419912
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011 16:05 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAR-6 SDG#: LST77-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.10	0.049	1
02923	C25-C36 RRO	n.a.	0.15	0.068	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 18:36	Marie D John	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 18:36	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 18:36	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	2	11272A53A	09/30/2011 18:36	Marie D John	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 13:20	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: GEI-10 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419913
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 13:20 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FAG10 SDG#: LST77-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.11	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	0.0007	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	0.0038	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	17	2.4	50
02923	C25-C36 RRO	n.a.	N.D.	3.4	50

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 19:03	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 19:03	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 19:03	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 03:53	Heather E Williams	50
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

Lancaster Laboratories

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Analysis Report

Sample Description: K-5 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419914
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 13:35 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FARK5 SDG#: LST77-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.086	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	11	0.49	10
02923	C25-C36 RRO	n.a.	N.D.	0.68	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 19:30	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 19:30	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 19:30	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 04:48	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: GEI-5 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419915
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 14:45 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FARG5 SDG#: LST77-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	1.4	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	0.29	0.0005	1
02102	Ethylbenzene	100-41-4	0.0015	0.0005	1
02102	Toluene	108-88-3	0.014	0.0005	1
02102	Total Xylenes	1330-20-7	0.035	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	6.2	0.47	10
02923	C25-C36 RRO	n.a.	0.95	0.66	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11272A53A	09/30/2011 19:56	Catherine J Schwarz	1
02102	Method 8021 Water Master	SW-846 8021B	1	11272A53A	09/30/2011 19:56	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	11272A53A	09/30/2011 19:56	Catherine J Schwarz	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 05:15	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: K-7 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419916
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 13:45 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FARK7 SDG#: LST77-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	0.071	0.047	1
02923	C25-C36 RRO	n.a.	0.14	0.066	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11273A94A	10/01/2011 07:09	Laura M Krieger	1
02102	Method 8021 Water Master	SW-846 8021B	1	11273A94A	10/01/2011 07:09	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A94A	10/01/2011 07:09	Laura M Krieger	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/04/2011 13:47	Heather E Williams	1
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: GEI-6 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419917
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 14:30 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FARG6 SDG#: LST77-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	2.7	0.48	10
02923	C25-C36 RRO	n.a.	2.2	0.67	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11273A94A	10/01/2011 07:35	Laura M Krieger	1
02102	Method 8021 Water Master	SW-846 8021B	1	11273A94A	10/01/2011 07:35	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A94A	10/01/2011 07:35	Laura M Krieger	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 05:42	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: BD-1 Grab Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419918
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/24/2011 by DC

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FABD1 SDG#: LST77-12FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	0.29	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	0.0011	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	0.0046	0.0015	1
GC Petroleum Hydrocarbons	**AK 102/103 4/08/02 modified**		**mg/l**	**mg/l**	
02923	C10-<C25 DRO	n.a.	3.9	0.47	10
02923	C25-C36 RRO	n.a.	N.D.	0.66	10

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11273A94A	10/01/2011 08:00	Laura M Krieger	1
02102	Method 8021 Water Master	SW-846 8021B	1	11273A94A	10/01/2011 08:00	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A94A	10/01/2011 08:00	Laura M Krieger	1
02923	TPH-DRO/RRO (AK) water	AK 102/103 4/08/02 modified	1	112730003A	10/05/2011 06:09	Heather E Williams	10
11185	AK DRO/ORO Waters Extraction	AK 102/AK 103 04/08/02	1	112730003A	09/30/2011 18:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: Trip Blank Water Sample
Facility# 306456
328.5 Illinois St-Fairbanks, AK

LLI Sample # WW 6419919
LLI Group # 1268441
Account # 11964

Project Name: 306456

Collected: 09/23/2011

Submitted: 09/27/2011 09:00
Reported: 10/12/2011 12:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FARTB SDG#: LST77-13TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Volatiles	**AK 101**		**mg/l**	**mg/l**	
01440	TPH-GRO AK water C6-C10	n.a.	N.D.	0.010	1
GC Volatiles	**SW-846 8021B**		**mg/l**	**mg/l**	
02102	Benzene	71-43-2	N.D.	0.0005	1
02102	Ethylbenzene	100-41-4	N.D.	0.0005	1
02102	Toluene	108-88-3	N.D.	0.0005	1
02102	Total Xylenes	1330-20-7	N.D.	0.0015	1

General Sample Comments

State of Alaska Lab Certification No. UST-061

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01440	TPH-GRO AK water C6-C10	AK 101	1	11273A94A	09/30/2011 22:13	Laura M Krieger	1
02102	Method 8021 Water Master	SW-846 8021B	1	11273A94A	09/30/2011 22:13	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A94A	09/30/2011 22:13	Laura M Krieger	1

Quality Control Summary

Client Name: Chevron Group Number: 1268441
Reported: 10/12/11 at 12:50 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W112761AA	Sample number(s): 6419907,6419911							
Acetone	N.D.	0.006	mg/l	149		49-234		
t-Amyl methyl ether	N.D.	0.0005	mg/l	94		77-120		
Benzene	N.D.	0.0005	mg/l	94		79-120		
Bromobenzene	N.D.	0.001	mg/l	97		80-120		
Bromochloromethane	N.D.	0.001	mg/l	113		80-120		
Bromodichloromethane	N.D.	0.001	mg/l	93		80-120		
Bromoform	N.D.	0.001	mg/l	101		61-120		
Bromomethane	N.D.	0.001	mg/l	78		44-120		
2-Butanone	N.D.	0.003	mg/l	119		66-151		
t-Butyl alcohol	N.D.	0.005	mg/l	101		62-129		
n-Butylbenzene	N.D.	0.001	mg/l	90		74-120		
sec-Butylbenzene	N.D.	0.001	mg/l	93		78-120		
tert-Butylbenzene	N.D.	0.001	mg/l	94		80-120		
Carbon Disulfide	N.D.	0.001	mg/l	69		62-120		
Carbon Tetrachloride	N.D.	0.001	mg/l	90		75-123		
Chlorobenzene	N.D.	0.0008	mg/l	97		80-120		
Chloroethane	N.D.	0.001	mg/l	88		49-129		
2-Chloroethyl Vinyl Ether	N.D.	0.002	mg/l	73		56-129		
Chloroform	N.D.	0.0008	mg/l	95		77-122		
Chloromethane	N.D.	0.001	mg/l	87		60-129		
2-Chlorotoluene	N.D.	0.001	mg/l	95		80-120		
4-Chlorotoluene	N.D.	0.001	mg/l	96		80-120		
1,2-Dibromo-3-chloropropane	N.D.	0.002	mg/l	84		56-126		
Dibromochloromethane	N.D.	0.001	mg/l	95		80-120		
1,2-Dibromoethane	N.D.	0.0005	mg/l	95		80-120		
Dibromomethane	N.D.	0.001	mg/l	95		80-120		
1,2-Dichlorobenzene	N.D.	0.001	mg/l	98		80-120		
1,3-Dichlorobenzene	N.D.	0.001	mg/l	97		80-120		
1,4-Dichlorobenzene	N.D.	0.001	mg/l	96		80-120		
Dichlorodifluoromethane	N.D.	0.002	mg/l	67		47-120		
1,1-Dichloroethane	N.D.	0.001	mg/l	95		79-120		
1,2-Dichloroethane	N.D.	0.0005	mg/l	95		70-130		
1,1-Dichloroethene	N.D.	0.0008	mg/l	86		74-123		
cis-1,2-Dichloroethene	N.D.	0.0008	mg/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.0008	mg/l	90		80-120		
1,2-Dichloropropane	N.D.	0.001	mg/l	97		78-120		
1,3-Dichloropropane	N.D.	0.001	mg/l	96		80-120		
2,2-Dichloropropane	N.D.	0.001	mg/l	89		77-124		
1,1-Dichloropropene	N.D.	0.001	mg/l	91		80-120		
cis-1,3-Dichloropropene	N.D.	0.001	mg/l	94		80-120		
trans-1,3-Dichloropropene	N.D.	0.001	mg/l	91		79-120		
Ethanol	N.D.	0.050	mg/l	132		54-149		
Ethyl t-butyl ether	N.D.	0.0005	mg/l	95		76-120		
Ethylbenzene	N.D.	0.0005	mg/l	95		79-120		
Freon 113	N.D.	0.002	mg/l	87		69-128		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268441
Reported: 10/12/11 at 12:50 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Hexachlorobutadiene	N.D.	0.002	mg/l	89		58-120		
2-Hexanone	N.D.	0.003	mg/l	102		65-136		
di-Isopropyl ether	N.D.	0.0005	mg/l	103		71-124		
Isopropylbenzene	N.D.	0.001	mg/l	96		77-120		
p-Isopropyltoluene	N.D.	0.001	mg/l	93		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.0005	mg/l	95		76-120		
4-Methyl-2-pentanone	N.D.	0.003	mg/l	99		70-121		
Methylene Chloride	N.D.	0.002	mg/l	89		80-120		
Naphthalene	N.D.	0.001	mg/l	81		62-120		
n-Propylbenzene	N.D.	0.001	mg/l	94		80-120		
Styrene	N.D.	0.001	mg/l	94		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.001	mg/l	95		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.001	mg/l	96		71-120		
Tetrachloroethene	N.D.	0.0008	mg/l	98		80-121		
Toluene	N.D.	0.0005	mg/l	95		79-120		
1,2,3-Trichlorobenzene	N.D.	0.001	mg/l	82		65-120		
1,2,4-Trichlorobenzene	N.D.	0.001	mg/l	85		67-120		
1,1,1-Trichloroethane	N.D.	0.0008	mg/l	93		75-127		
1,1,2-Trichloroethane	N.D.	0.0008	mg/l	95		80-120		
Trichloroethene	N.D.	0.001	mg/l	93		80-120		
Trichlorofluoromethane	N.D.	0.002	mg/l	94		64-129		
1,2,3-Trichloropropane	N.D.	0.001	mg/l	93		80-120		
1,2,4-Trimethylbenzene	N.D.	0.001	mg/l	93		74-120		
1,3,5-Trimethylbenzene	N.D.	0.001	mg/l	94		75-120		
Vinyl Chloride	N.D.	0.001	mg/l	85		65-125		
m+p-Xylene	N.D.	0.0005	mg/l	96		80-120		
o-Xylene	N.D.	0.0005	mg/l	96		80-120		
Batch number: 11272A53A	Sample number(s): 6419907-6419915							
Benzene	N.D.	0.0002	mg/l	105	100	80-120	5	30
Ethylbenzene	N.D.	0.0002	mg/l	100	100	80-120	0	30
Methyl tert-Butyl Ether	N.D.	0.0003	mg/l	90	90	78-125	0	30
Toluene	N.D.	0.0002	mg/l	105	105	80-120	0	30
TPH-GRO AK water C6-C10	N.D.	0.010	mg/l	100	100	60-120	0	20
Total Xylenes	N.D.	0.0006	mg/l	105	105	80-120	0	30
Batch number: 11273A94A	Sample number(s): 6419916-6419919							
Benzene	N.D.	0.0002	mg/l	95	95	80-120	0	30
Ethylbenzene	N.D.	0.0002	mg/l	100	100	80-120	0	30
Toluene	N.D.	0.0002	mg/l	95	95	80-120	0	30
TPH-GRO AK water C6-C10	N.D.	0.010	mg/l	118	109	60-120	8	20
Total Xylenes	N.D.	0.0006	mg/l	102	103	80-120	2	30
Batch number: 112730003A	Sample number(s): 6419907-6419918							
C10-<C25 DRO	N.D.	0.050	mg/l	89	87	75-125	2	20
C25-C36 RRO	N.D.	0.070	mg/l	108	108	60-120	0	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268441
Reported: 10/12/11 at 12:50 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: W112761AA	Sample number(s): 6419907,6419911 UNSPK: P418849								
Acetone	91	96	52-139	5	30				
t-Amyl methyl ether	95	98	75-122	3	30				
Benzene	105	98	80-126	6	30				
Bromobenzene	98	103	82-115	5	30				
Bromochloromethane	122	119	83-123	3	30				
Bromodichloromethane	95	97	78-125	2	30				
Bromoform	99	100	60-121	1	30				
Bromomethane	90	90	38-149	0	30				
2-Butanone	96	101	57-138	4	30				
t-Butyl alcohol	100	103	67-119	3	30				
n-Butylbenzene	98	102	73-128	3	30				
sec-Butylbenzene	100	105	79-125	4	30				
tert-Butylbenzene	102	104	81-121	3	30				
Carbon Disulfide	76	80	67-135	6	30				
Carbon Tetrachloride	100	102	81-138	2	30				
Chlorobenzene	102	102	87-124	1	30				
Chloroethane	110	109	51-145	0	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	100	102	81-134	3	30				
Chloromethane	94	98	67-154	4	30				
2-Chlorotoluene	98	102	82-118	4	30				
4-Chlorotoluene	99	103	84-122	4	30				
1,2-Dibromo-3-chloropropane	82	86	54-134	5	30				
Dibromochloromethane	95	97	74-116	2	30				
1,2-Dibromoethane	97	99	77-116	3	30				
Dibromomethane	95	98	83-119	3	30				
1,2-Dichlorobenzene	101	104	84-119	4	30				
1,3-Dichlorobenzene	97	104	86-121	7	30				
1,4-Dichlorobenzene	98	103	85-121	5	30				
Dichlorodifluoromethane	80	79	52-129	2	30				
1,1-Dichloroethane	100	103	84-129	3	30				
1,2-Dichloroethane	99	100	66-141	1	30				
1,1-Dichloroethene	95	100	85-142	5	30				
cis-1,2-Dichloroethene	98	102	85-125	4	30				
trans-1,2-Dichloroethene	99	101	87-126	2	30				
1,2-Dichloropropane	100	103	83-124	3	30				
1,3-Dichloropropane	96	101	81-120	5	30				
2,2-Dichloropropane	95	98	81-135	4	30				
1,1-Dichloropropene	101	103	86-137	2	30				
cis-1,3-Dichloropropene	91	97	75-125	6	30				
trans-1,3-Dichloropropene	91	95	74-119	4	30				
Ethanol	101	98	53-146	2	30				
Ethyl t-butyl ether	97	101	74-122	4	30				
Ethylbenzene	102	101	71-134	1	30				
Freon 113	104	105	89-148	1	30				
Hexachlorobutadiene	99	102	56-134	3	30				
2-Hexanone	95	101	55-127	5	30				
di-Isopropyl ether	104	108	70-129	4	30				
Isopropylbenzene	104	106	75-128	1	30				
p-Isopropyltoluene	99	104	76-123	4	30				
Methyl Tertiary Butyl Ether	96	97	72-126	2	30				
4-Methyl-2-pentanone	101	104	63-123	3	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268441
Reported: 10/12/11 at 12:50 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Methylene Chloride	99	101	79-120	2	30				
Naphthalene	87	92	52-125	6	30				
n-Propylbenzene	102	105	74-134	2	30				
Styrene	97	100	78-125	3	30				
1,1,1,2-Tetrachloroethane	96	99	82-119	3	30				
1,1,2,2-Tetrachloroethane	94	97	72-128	4	30				
Tetrachloroethene	105	108	80-128	3	30				
Toluene	101	103	80-125	2	30				
1,2,3-Trichlorobenzene	83	91	69-119	9	30				
1,2,4-Trichlorobenzene	84	90	70-124	7	30				
1,1,1-Trichloroethane	101	101	80-143	0	30				
1,1,2-Trichloroethane	97	100	77-124	3	30				
Trichloroethene	100	101	88-133	1	30				
Trichlorofluoromethane	112	108	73-152	2	30				
1,2,3-Trichloropropane	93	97	76-118	4	30				
1,2,4-Trimethylbenzene	102	103	72-130	1	30				
1,3,5-Trimethylbenzene	99	102	72-131	2	30				
Vinyl Chloride	97	97	66-133	0	30				
m+p-Xylene	103	104	79-125	0	30				
o-Xylene	103	101	79-125	2	30				
Batch number: 11273A94A	Sample number(s): 6419916-6419919 UNSPK: P419577								
Benzene	97		80-130						
Ethylbenzene	105		80-133						
Toluene	100		80-133						
Total Xylenes	108		80-148						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs by 8260B(Extended) -Water
Batch number: W112761AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6419907	96	98	98	92
6419911	96	96	97	88
Blank	98	99	97	88
LCS	101	102	98	95
MS	100	104	97	95
MSD	100	103	98	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Method 8021 Water Master
Batch number: 11272A53A

	Trifluorotoluene-F	Trifluorotoluene-P
6419907	79	83

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1268441
Reported: 10/12/11 at 12:50 PM

Surrogate Quality Control

6419908	75	81
6419909	75	81
6419910	72	79
6419911	78	81
6419912	74	81
6419913	73	77
6419914	79	77
6419915	96	87
Blank	74	79
LCS	90	81
LCSD	90	80
Limits:	60-120	58-146

Analysis Name: Method 8021 Water Master
Batch number: 11273A94A

	Trifluorotoluene-F	Trifluorotoluene-P
6419916	87	85
6419917	84	84
6419918	92	77
6419919	81	85
Blank	84	85
LCS	94	85
LCSD	93	84
MS		80
Limits:	60-120	58-146

Analysis Name: TPH-DRO/RRO (AK) water
Batch number: 112730003A

	Orthoterphenyl	n-Triacontane-d62
6419907	123	98
6419908	110	93
6419909	97	82
6419910	94	74
6419911	102	86
6419912	103	87
6419913	86	109
6419914	105	91
6419915	132	106
6419916	101	87
6419917	98	80
6419918	96	83
Blank	99	82
LCS	105	85
LCSD	107	90
Limits:	50-150	50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #: 11964 Sample #: 6419907-19 ~~SCR#~~ ~~2C~~# 1269441

018181

Page 1 of 1

Facility #: 304566

Site Address: 328 ½ Illinois St. Fairbanks AK

Chevron PM: Dan Carrier Lead Consultant:

Consultant/Office: Arcadis/ Seattle WA

Consultant Prj. Mgr.: Greg Montgomery

Consultant Phone #: 206-726-4747 Fax #: 206-325-8218

Sampler: DC/MM

Service Order #: NWRTB-00-~~30456~~ +LAB ☐ Non SAR:

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	~~8260 full scan~~ MTBE 8021b (H)	___ Oxygenates	~~TPH G~~ PCE TCE 8260b	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	Gro AK 101 (H)	BTEX 8021b (H)	DRO/RRO AK102/103 (H)	VOC 8260b (H)
MW-14	9/23/11	1340	✓			✓		11		✓							✓	✓	✓	✓
MW-2	9/23/11	1455	✓			✓		5									✓	✓	✓	
MW-1	9/23/11	1510	✓			✓		5									✓	✓	✓	
MW-3	9/23/11	1520	✓			✓		5									✓	✓	✓	
MW-4	9/23/11	1540	✓			✓		14		✓		✓					✓	✓	✓	✓
MW-6	9/23/11	1605	✓			✓		5									✓	✓	✓	
GEI-10	9/24/11	1320	✓			✓		5									✓	✓	✓	
K-5	9/24/11	1335	✓			✓		5									✓	✓	✓	
GEI-5	9/24/11	1445	✓			✓		5									✓	✓	✓	
K-7	9/24/11	1345	✓			✓		5									✓	✓	✓	
GEI-6	9/24/11	1430	✓			✓		5									✓	✓	✓	
BD-1	9/24/11	—	✓			✓		5									✓	✓	✓	
Trip Blank	—	—	—			✓		4									✓	✓		

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
Fair Unocal

GEI-10, K-5 an K-7 Heavy sheen

GEI-5, GEI-6 Light sheen

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ✓ Other. Type III

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/26/11	1030			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Relinquished by Commercial Carrier:
UPS (FedEx) Other ______
Received by: [signature] Date 9/27/11 Time 0900
Temperature Upon Receipt 0.6-2.2 C°
Custody Seals Intact? (Yes) No

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3566 Rev. 1/31/02

Lancaster Laboratories

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Chevron

Date of Receipt: 9/27/11

Time of Receipt: 0900

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9493	1.7°C	TB	WI	Y	B	
2	↓	0.8°C	↓	↓	↓	↓	
3	↓	0.6°C	↓	↓	↓	↓	
4	↓	1.4°C	↓	↓	↓	↓	
5	↓	2.0°C	↓	↓	↓	↓	
6	↓	2.2°C	↓	↓	↓	↓	

(3)GG 9/27/11

Number of Trip Blanks received NOT listed on chain of custody: ~~0~~ 4

Paperwork Discrepancy/Unpacking Problems:

306456

Unpacker Signature/Emp#: 2316 **Date/Time:** 9/27/11 1110

Issued by Dept. 6042 Management

2174.06

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

ARCADIS

Appendix C

ADEC Data Review Checklists

Laboratory Data Review Checklist

Completed by: Michael MacDaniel

Title: Field Technician Date: 11/16/11

CS Report Name: FAIR 2011 Annual Groundwater Monitoring Report – 1001430 Report Date: 10/06/2011

Consultant Firm: ARCADIS U.S., Inc.

Laboratory Name: Laboratory Lancaster Laboratories Report Number: 1268242

ADEC File Number: 102.38.006 ADEC RecKey Number: 1984310111601

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      □Yes □ No □NA (Please explain.) Comments:

      NA (Samples were not transferred to another lab.)

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Correct analyses requested?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

3. Laboratory Sample Receipt Documentation
   a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
□Yes □ No □NA (Please explain.) Comments:

NA – No documentation

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
□Yes □ No □NA (Please explain.) Comments:

No

e. Data quality or usability affected? (Please explain.)
Comments:

No

4. Case Narrative
a. Present and understandable?
□Yes □ No □NA (Please explain.) Comments:

Yes

b. Discrepancies, errors or QC failures identified by the lab?
□Yes □ No □NA (Please explain.) Comments:

No

c. Were all corrective actions documented?
□Yes □ No □NA (Please explain.) Comments:

NA (No corrective action required)

d. What is the effect on data quality/usability according to the case narrative?
Comments:

No effect.

5. Samples Results
a. Correct analyses performed/reported as requested on COC?
□Yes □ No □NA (Please explain.) Comments:

No. TH-1 was not analyzed for DRO/RRO as requested due to broken bottles during transport and issues during the extraction from the back sample volume.

b. All applicable holding times met?
□Yes □ No □NA (Please explain.) Comments:

Yes

c. All soils reported on a dry weight basis?
□Yes □ No □NA (Please explain.) Comments:

NA (No soil samples submitted for analysis)

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?
□Yes □ No □NA (Please explain.) Comments:

No – The PQL for RRO in TH-1 was not above the GCL.

e. Data quality or usability affected?
Comments:

RRO was not detected in BD-1 (TH-1) above the PQL. As a result, data quality or usability might be affected.

6. QC Samples
   a. Method Blank
      i. One method blank reported per matrix, analysis and 20 samples?
      □Yes □ No □NA (Please explain.) Comments:

Yes

      ii. All method blank results less than PQL?
      □Yes □ No □NA (Please explain.) Comments:

Yes

      iii. If above PQL, what samples are affected?
      Comments:

None

      iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
      □Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

      v. Data quality or usability affected? (Please explain.)
      Comments:

No

   b. Laboratory Control Sample/Duplicate (LCS/LCSD)

      i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
      □Yes □ No □NA (Please explain.) Comments:

Yes

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

□Yes □ No □NA (Please explain.) Comments:

NA (No metals/Inorganic analysis requested for submitted samples)

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

□Yes □ No □NA (Please explain.) Comments:

Yes

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

None

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

□Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

No

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

□Yes □ No □NA (Please explain.) Comments:

NA (No samples have failed surrogate recoveries)

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

No

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. If above PQL, what samples are affected?

Comments:

NA

v. Data quality or usability affected? (Please explain.)

Comments:

No

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Submitted blind to lab?

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. Precision – All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

RPD (%) = Absolute value of: $\frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$

Where R1 = Sample Concentration

R_2 = Field Duplicate Concentration

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

No

f. Decontamination or Equipment Blank (If not used explain why).

□Yes □ No □NA (Please explain.) Comments:

NA (Sample collected with a disposable bailer.)

i. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

NA

ii. If above PQL, what samples are affected?

Comments:

NA

iii. Data quality or usability affected? (Please explain.)

Comments:

NA

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

□Yes □ No □NA (Please explain.) Comments:

Yes

Laboratory Data Review Checklist

Completed by: Michael MacDaniel

Title: Field Technician Date: 11/16/11

CS Report Name: FAIR 2011 Annual Groundwater Monitoring Report - 211815 Report Date: 10/11/2011

Consultant Firm: ARCADIS U.S., Inc.

Laboratory Name: Laboratory Lancaster Laboratories Report Number: 1268244

ADEC File Number: 102.38.005 ADEC RecKey Number: 1986310112001

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      □Yes □ No □NA (Please explain.) Comments:

      NA (Samples were not transferred to another lab.)

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Correct analyses requested?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

3. Laboratory Sample Receipt Documentation
   a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
□Yes □ No □NA (Please explain.) Comments:

Yes

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
□Yes □ No □NA (Please explain.) Comments:

No

e. Data quality or usability affected? (Please explain.)
Comments:

No

4. Case Narrative
   a. Present and understandable?
   □Yes □ No □NA (Please explain.) Comments:

Yes

   b. Discrepancies, errors or QC failures identified by the lab?
   □Yes □ No □NA (Please explain.) Comments:

No

   c. Were all corrective actions documented?
   □Yes □ No □NA (Please explain.) Comments:

NA (No corrective action required)

   d. What is the effect on data quality/usability according to the case narrative?
   Comments:

No effect.

5. Samples Results
   a. Correct analyses performed/reported as requested on COC?
   □Yes □ No □NA (Please explain.) Comments:

Yes

   b. All applicable holding times met?
   □Yes □ No □NA (Please explain.) Comments:

Yes

c. All soils reported on a dry weight basis?
□Yes □ No □NA (Please explain.) Comments:

NA (No soil samples submitted for analysis)

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?
□Yes □ No □NA (Please explain.) Comments:

No

e. Data quality or usability affected?
Comments:

No, Samples with PQLs above the GCLs for their respective analytes were detected.

6. QC Samples
a. Method Blank
i. One method blank reported per matrix, analysis and 20 samples?
□Yes □ No □NA (Please explain.) Comments:

Yes

ii. All method blank results less than PQL?
□Yes □ No □NA (Please explain.) Comments:

Yes

iii. If above PQL, what samples are affected?
Comments:

None

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
□Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

v. Data quality or usability affected? (Please explain.)
Comments:

No

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?

□Yes □ No □NA (Please explain.) Comments:

NA (No metals/Inorganic analysis requested for submitted samples)

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

□Yes □ No □NA (Please explain.) Comments:

No - Chloroethyl vinyl ether may not be recovered if acid was used to preserve the sample.

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

□Yes □ No □NA (Please explain.) Comments:

Yes

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

NA

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

□Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

vii. Data quality or usability affected? (Use comment box to explain.)

Comments:

No

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

□Yes □ No □NA (Please explain.) Comments:

No – The percent recovery for the DRO surrogate Orthoterphenyl is out of specification for sample MW-7.

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

No

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. If above PQL, what samples are affected?

Comments:

NA

v. Data quality or usability affected? (Please explain.)

Comments:

No

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Submitted blind to lab?

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. Precision – All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

RPD (%) = Absolute value of: $\frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$

Where R1 = Sample Concentration

R_2 = Field Duplicate Concentration

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

No

f. Decontamination or Equipment Blank (If not used explain why).

□Yes □ No □NA (Please explain.) Comments:

NA (Sample collected with a disposable bailer.)

i. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

NA

ii. If above PQL, what samples are affected?

Comments:

NA

iii. Data quality or usability affected? (Please explain.)

Comments:

NA

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

□Yes □ No □NA (Please explain.) Comments:

Yes

Laboratory Data Review Checklist

Completed by: Michael MacDaniel

Title: Field Technician Date: 11/16/11

CS Report Name: FAIR 2011 Annual Groundwater Monitoring Report - 306456 Report Date: 10/12/2011

Consultant Firm: ARCADIS U.S., Inc.

Laboratory Name: Laboratory Lancaster Laboratories Report Number: 1268441

ADEC File Number: 102.38.004 ADEC RecKey Number: 1989310912101

1. Laboratory
   a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
      □Yes □ No □NA (Please explain.) Comments:

      NA (Samples were not transferred to another lab.)

2. Chain of Custody (COC)
   a. COC information completed, signed, and dated (including released/received by)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Correct analyses requested?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

3. Laboratory Sample Receipt Documentation
   a. Sample/cooler temperature documented and within range at receipt (4° ± 2° C)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

   b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
      □Yes □ No □NA (Please explain.) Comments:

      Yes

c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)?
□Yes □ No □NA (Please explain.) Comments:

Yes

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
□Yes □ No □NA (Please explain.) Comments:

No

e. Data quality or usability affected? (Please explain.)
Comments:

No

4. Case Narrative
   a. Present and understandable?
   □Yes □ No □NA (Please explain.) Comments:

Yes

   b. Discrepancies, errors or QC failures identified by the lab?
   □Yes □ No □NA (Please explain.) Comments:

No

   c. Were all corrective actions documented?
   □Yes □ No □NA (Please explain.) Comments:

NA (No corrective action required)

   d. What is the effect on data quality/usability according to the case narrative?
   Comments:

No effect.

5. Samples Results
   a. Correct analyses performed/reported as requested on COC?
   □Yes □ No □NA (Please explain.) Comments:

Yes

   b. All applicable holding times met?
   □Yes □ No □NA (Please explain.) Comments:

Yes

c. All soils reported on a dry weight basis?
□Yes □ No □NA (Please explain.) Comments:

NA (No soil samples submitted for analysis)

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?
□Yes □ No □NA (Please explain.) Comments:

No- the PQLs for RRO in GEI-10 and MW-3 were above the GCL

e. Data quality or usability affected?
Comments:

RRO was not detected MW-3 and GEI-10. As a result data quality or usability might be affected.

6. QC Samples
a. Method Blank
i. One method blank reported per matrix, analysis and 20 samples?
□Yes □ No □NA (Please explain.) Comments:

Yes

ii. All method blank results less than PQL?
□Yes □ No □NA (Please explain.) Comments:

Yes

iii. If above PQL, what samples are affected?
Comments:

None

iv. Do the affected sample(s) have data flags and if so, are the data flags clearly defined?
□Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

v. Data quality or usability affected? (Please explain.)
Comments:

No

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
□Yes □ No □NA (Please explain.) Comments:

NA (No metals/Inorganic analysis requested for submitted samples)

iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
□Yes □ No □NA (Please explain.) Comments:

No. Chloroethyl vinyl ether may not be recovered if acid was used to preserve the sample.

iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/MSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
□Yes □ No □NA (Please explain.) Comments:

Yes

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments:

None

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
□Yes □ No □NA (Please explain.) Comments:

NA (No affected samples)

vii. Data quality or usability affected? (Use comment box to explain.)
Comments:

No

c. Surrogates – Organics Only

i. Are surrogate recoveries reported for organic analyses – field, QC and laboratory samples?
□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)
□Yes □ No □NA (Please explain.) Comments:

Yes

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

□Yes □ No □NA (Please explain.) Comments:

NA (No samples have failed surrogate recoveries)

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

No

d. Trip blank – Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

Yes

iv. If above PQL, what samples are affected?

Comments:

NA

v. Data quality or usability affected? (Please explain.)

Comments:

No

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

□Yes □ No □NA (Please explain.) Comments:

Yes

ii. Submitted blind to lab?

□Yes □ No □NA (Please explain.) Comments:

Yes

iii. Precision – All relative percent differences (RPD) less than specified DQOs? (Recommended: 30% water, 50% soil)

$$\text{RPD (\%)} = \text{Absolute value of: } \frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$$

Where R1 = Sample Concentration

R_2 = Field Duplicate Concentration

□Yes □ No □NA (Please explain.) Comments:

No – GRO, Ethylbenzene, and DRO for GEI-10 (BD-1) were outside of the RDP specification.

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Comments:

Data quality and usability are likely unaffected as the discrepancy was a result of improper sampling techniques.

f. Decontamination or Equipment Blank (If not used explain why).

□Yes □ No □NA (Please explain.) Comments:

NA (Sample collected with a disposable bailer.)

i. All results less than PQL?

□Yes □ No □NA (Please explain.) Comments:

NA

ii. If above PQL, what samples are affected?

Comments:

NA

iii. Data quality or usability affected? (Please explain.)

Comments:

NA

7. <u>Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)</u>

a. Defined and appropriate?

□Yes □ No □NA (Please explain.) Comments:

Yes