PACIFIC
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February 2, 2010

Ms. Barbara Jakub
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **Quarterly Summary Report – Fourth Quarter 2009**

Site: **76 Station No. 5191/5043**
449 Hegenberger Road
Oakland, California
Fuel Leak Case No. RO0000219

Dear Ms. Jakub;

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call:

Liz Bermudez
Pacific Convenience & Fuel
2603 Camino Ramon, Suite 350
San Ramon, California 94583
Tel: (925) 884-0860
Fax: (925) 905-2746
lbermudez@pcandf.com

Sincerely,

Liz Bermudez

LIZ BERMUDEZ
Senior Paralegal

Attachment

Quarterly Summary Report – Fourth Quarter 2009

76 Station No. 5191/5043
449 Hegenberger Road
Oakland, California

Fuel Leak Case No.: RO0000219

Delta Project No. I42705191

Submitted to:

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Submitted by:

Delta Consultants
11050 White Rock Road, Suite 110
Rancho Cordova, CA 95670 USA
+1 800.477.7411

February 1, 2010

A member of Inogen Environmental Alliance

SITE INFORMATION

Station Number:	**76 Service Station No. 5043 (5191)**
Site Address:	449 Hegenberger Road, Oakland, CA
Contact:	Mr. Dennis Dettloff Senior Project Manager Delta Consultants (Delta) 11050 White Rock Road, Suite 110 Rancho Cordova, California 95670
Consulting Company:	Delta
Delta Project No.:	I42705191
Contact/ Primary Agency:	Ms. Barbara Jakub, Alameda County Health Care Services Agency

WORK PERFORMED THIS QUARTER [Fourth Quarter 2009]:

1. Blaine Tech Services performed the semi-annual groundwater monitoring and sampling activities for the fourth quarter 2009 on December 17, 2009.
2. Delta prepared the *Quarterly Summary Report- Third Quarter 2009*, dated October 29, 2009.
3. Gregg Drilling and Testing under supervision from Delta advanced two borings and collected soil and groundwater samples on December 17, 2009.

WORK PROPOSED FOR NEXT QUARTER [First Quarter 2010]:

1. Delta will submit the *Quarterly Summary Report- Fourth Quarter 2009*, contained herein.
2. Blaine Tech Services will perform the semi-annual groundwater monitoring and sampling activities during the first quarter 2010.
3. Delta will submit a site investigation report describing the activities conducted on December 17, 2009.

BACKGROUND

The subject site is an operating 76 station located on the southwest corner of Hegenberger Road and Edgewater Drive in Oakland, California. Station facilities include three underground storage tanks (USTs), two dispenser islands, a station building, and a carwash. A total of six groundwater monitoring wells are located at or near the site (**Figures 1 and 2**).

Previous investigation information and site history are presented as **Attachment A**. Blaine Tech's procedures for groundwater monitoring and sampling, and equipment decontamination are presented as **Attachment B**. Groundwater monitoring and sampling field data sheets are presented as **Attachment C**. The groundwater sampling certified analytical report and chain-of-custody documentation are presented as **Attachment D**. The waste disposal manifest is presented as **Attachment E**.

Site summary data has been tabled in the following:

- **Table 1** summarizes the current groundwater analytical data.
- **Table 2 and Table 2a** summarize the historical groundwater monitoring analytical data.
- **Table 3** summarizes the historical groundwater flow direction and gradient information.

SAMPLING AND MONITORING INFORMATION

Current Phase of Project:	Groundwater Monitoring and Sampling
Frequency of Monitoring:	Quarterly
Frequency of Sampling:	Quarterly: MW-6 and MW-10 2nd & 4th Quarters: MW-3, MW-7, MW-8, and MW-9
Have Light Non-Aqueous Phase Liquids (LNAPL) Been Measured Onsite, Historically?	Yes in MW-6; last observed December 1999
Historic Range in Depth to Water (DTW; feet [ft] below top of casing [BTOC] 1Q92 to 4Q09):	0.07 ft (MW-9; 1Q05) to 5.81 ft (MW-5; 3Q93)
Local Water Supply Wells:	See Sensitive Receptors in Attachment A

CURRENT QUARTER MONITORING DATA

Wells Monitored:	MW-3, MW-6, MW-9, MW-10
Wells Sampled:	MW-3, MW-6, MW-9, MW-10
Monitoring and Sampling Date:	December 17, 2009
LNAPL Measured This Quarter:	n/a
Cumulative LNAPL Recovered to Date:	n/a
DTW Range (ft BTOC):	1.52 ft (MW-9) to 3.14 ft (MW-6)
Average Change in Groundwater Elevation Since Last Event (ft above mean sea level):	0.89 ft increase
Groundwater Flow Direction and Gradient (ft/ft):	0.008 ft/ft Southwest

CURRENT QUARTER ANALYTICAL DATA

Constituents	Number of Reported Concentrations Above LRL of the Samples Collected	Minimum Reported Concentration, in µg/L (Sample ID)	Maximum Reported Concentration, in µg/L (Sample ID)
TPHg	2	300 (MW-3)	59,100 (MW-6)
Benzene	2	1.2 (MW-10)	1730 (MW-6)
MTBE	2	20.3 (MW-6)	43.1 (MW-3)
TPHd	4	100 (MW-9)	30,300 (MW-6)

Explanations:
µg/L = Micrograms per liter
LRL = Laboratory reporting limit
TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary-butyl ether
TPHd = Total petroleum hydrocarbons as diesel

GROUNDWATER MONITORING AND SAMPLING

Monitoring and Sampling procedures

Quarterly groundwater monitoring and sampling was conducted at 76 Station No. 5043 (5191) on December, 17, 2009 by Blaine Tech Services. Water levels were gauged in four of the six monitoring wells at the site. Measured depths to groundwater and respective groundwater elevations are summarized in **Table 1**. Depth to groundwater was measured

to within 0.01 feet BTOC in monitoring wells MW-3, MW-6, MW-9, and MW-10 using a water level indicator.

All monitoring and sampling activities for the site during the fourth quarter 2009 were performed by Blaine Tech Services and reviewed and certified by a California Professional Geologist.

Groundwater Sample Analysis

The groundwater monitoring well network, consisting of three on-site and three off-site monitoring wells, has been monitored and sampled on a quarterly basis since February 1992. Groundwater samples collected from monitoring wells MW-3, MW-6, MW-9, and MW-10 were submitted with chain-of-custody documentation to Pace Analytical Services, Inc. in Seattle, WA, a California state-certified laboratory (No. 01153CA). Groundwater samples collected from the sites monitoring wells are analyzed for total petroleum hydrocarbons as diesel (TPHd), by Environmental Protection Agency (EPA) Method 8015B, TPH as gasoline TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), and ethanol by EPA Method 8260. In addition, samples are also collected and analyzed for nitrate as NO_3 by EPA Method 353.2, sulfate by EPA Method 300.1 and total iron by EPA Method 6010 for the evaluation of magnesium sulfate ($MgSO_4$) infiltration as a potential remedial option.

Due to some equipment failure at the Pace Analytical Services, Inc. laboratory, the samples collected for sulfate analysis by EPA Method 300.1 were sent to McCampbell Analytical, Inc. of Pittsburg, CA, a California state-certified laboratory (No. 1644).

Quality Assurance / Quality Control

No significant issues were noted by Pace Analytical Services, Inc. or McCampbell Analytical Inc. during sample analysis that would have an adverse affect on the quality of the data.

Purge and Rinse Water Disposal

Approximately 27 gallons of groundwater was generated during this groundwater sampling event and temporarily stored by Blaine Tech Services in a 2,000-gallon poly tank. The generated groundwater was later transported for proper disposal at Evergreen Oil Inc. in Newark, California. The method of containment and disposal is reported in Blaine Tech's procedures for groundwater sampling included in **Attachment B**. A copy of the waste manifest documentation is presented as **Attachment E**.

DISCUSSION AND CONCLUSION

The fourth quarter 2009 monitoring and sampling event was performed by Blaine Tech Services on December 17, 2009. Reported depth to groundwater in the site monitoring wells ranged from 1.52 feet (MW-9) to 3.14 feet (MW-6) below top of casing (TOC). The average groundwater elevation during the December 2009 monitoring event was 6.01 feet, an increase of 0.85 feet from the previous event (September 2009). The groundwater flow direction and gradient were interpreted to be to the southwest at 0.008 foot per foot (ft/ft). This is consistent with historical groundwater flow directions and gradients beneath the site.

CONTAMINANTS OF CONCERN:

TPHg: TPHg was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-3 (300 µg/L) and MW-6 (59,100 µg/L) during the December 2009 event.

TPHd: TPHd was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-3 (338 µg/L), MW-6 (30,300 µg/L), MW-9 (105 µg/L), and MW-10 (110 µg/L) during the December 2009 event.

Benzene: Benzene was above the laboratory's indicated reporting limit in the groundwater samples collected and submitted for analysis from monitoring wells MW-6 (1,730 µg/L) and MW-10 (1.2 µg/L) during the December 2009 event.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells MW-3 (43.1 µg/L) and MW-6 (20.3 µg/L) during the December 2009 event.

Additionally, ethylbenzene was above the laboratory's indicated reporting limit in the groundwater sample collected and submitted for analysis from monitoring wells MW-3 (0.78 µg/L) and MW-6 (2,260 µg/L) during the December 2009 event. Total xylenes were above the laboratory's indicated reporting limit in the groundwater sample collected and submitted for analysis from monitoring well MW-6 (5,460 µg/L) during the December 2009 event. Toluene was above the laboratory's indicated reporting limit in the groundwater sample collected and submitted for analysis from monitoring well MW-6 (199 µg/L) during the December 2009 event. Ethanol was below the laboratory's indicated reporting limits in each of the groundwater samples collected and submitted for analysis from the sampled monitoring wells during the December 2009 event. Historic laboratory analytical results are summarized in **Table 2** and **Table 2a**.

Figure 3 depicts the fourth quarter 2009 groundwater elevation contour map. Approximated iso-concentration contours for TPHg, benzene and MTBE are depicted in **Figure 4** through **Figure 6**, respectively. A groundwater flow direction rose diagram is included as **Figure 7.**

CHARACTERIZATION STATUS

On June 4, 2009 Delta submitted a work plan and a site conceptual model to the ACHCSA for their review. In the work plan Delta recommended additional assessment of the soil and the groundwater in the vicinity of former monitoring wells MW-1 and MW-2. In addition, vertical assessment of the soil and groundwater was also recommended.

REMEDIATION STATUS

Remediation is not currently being conducted at the site. Delta has requested that Blaine Tech collect additional groundwater samples from each of the monitoring wells to be analyzed for sulfate, nitrate, and iron. These additional samples are being collected to evaluate if $MgSO_4$ is a feasible remedial option in reducing the petroleum hydrocarbon impact to the groundwater beneath the site.

On April 22, 2009, Delta purged and sampled monitoring wells MW-6 and MW-9. The groundwater samples collected from these two monitoring wells were analyzed for sulfate, nitrate, and iron. The analytical results indicate that nitrate is depleted in the groundwater

in the vicinity of each of these two monitoring wells. In addition, iron is depleted in the groundwater in the vicinity of monitoring well MW-6. However, sulfate was reported in each of the groundwater samples collected from monitoring wells MW-6 and MW-9 at concentrations of 1.9 milligrams per liter (mg/L) and 18 mg/L, respectively. This indicates that all of the nitrate and iron in the groundwater in the vicinity of monitoring well MW-6, the most impacted monitoring well at the site, have been consumed, and most of the sulfate as well.

Analytical results from the December 2009 monitoring and sampling event indicate that iron is present in each of the groundwater samples collected. In addition, sulfates were depleted in each of the groundwater collected and submitted for analysis with the exception of the groundwater samples from monitoring wells MW-9 and MW-10 at concentrations of 11 milligrams per liter (mg/L) and 86 mg/L, respectively. Nitrogen was only reported above the laboratory's indicated reporting limit in the groundwater sample collected and submitted from monitoring well MW-10 at a concentration of 1,970 µg/L. These results appear to indicate that $MgSO_4$ may be a feasible remedial option at this site.

RECENT CORRESPONDENCE

Email correspondence from Alameda County Health Care Services Agency (ACHCSA) was received on November 10, 2009 in response to Delta's work plan submitted on June 4, 2009. The ACHCSA granted approval for the work proposed in Delta's work plan and requested additional soil samples at a minimum of five foot intervals.

REMARKS

The descriptions, conclusions, and recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. For any reports cited that were not generated by Delta, the data from those reports is used "as is" and is assumed to be accurate. Delta does not guarantee the accuracy of this data for the referenced work performed nor the inferences or conclusions stated in these reports. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were conducted. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

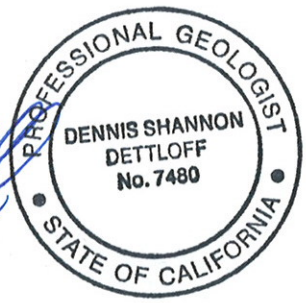
Please contact either of the undersigned at 800-477-7411 if you have questions.

Sincerely,

DELTA CONSULTANTS

Tara L. Bosch
Staff Engineer

Dennis S. Dettloff, P.G.
Senior Project Manager



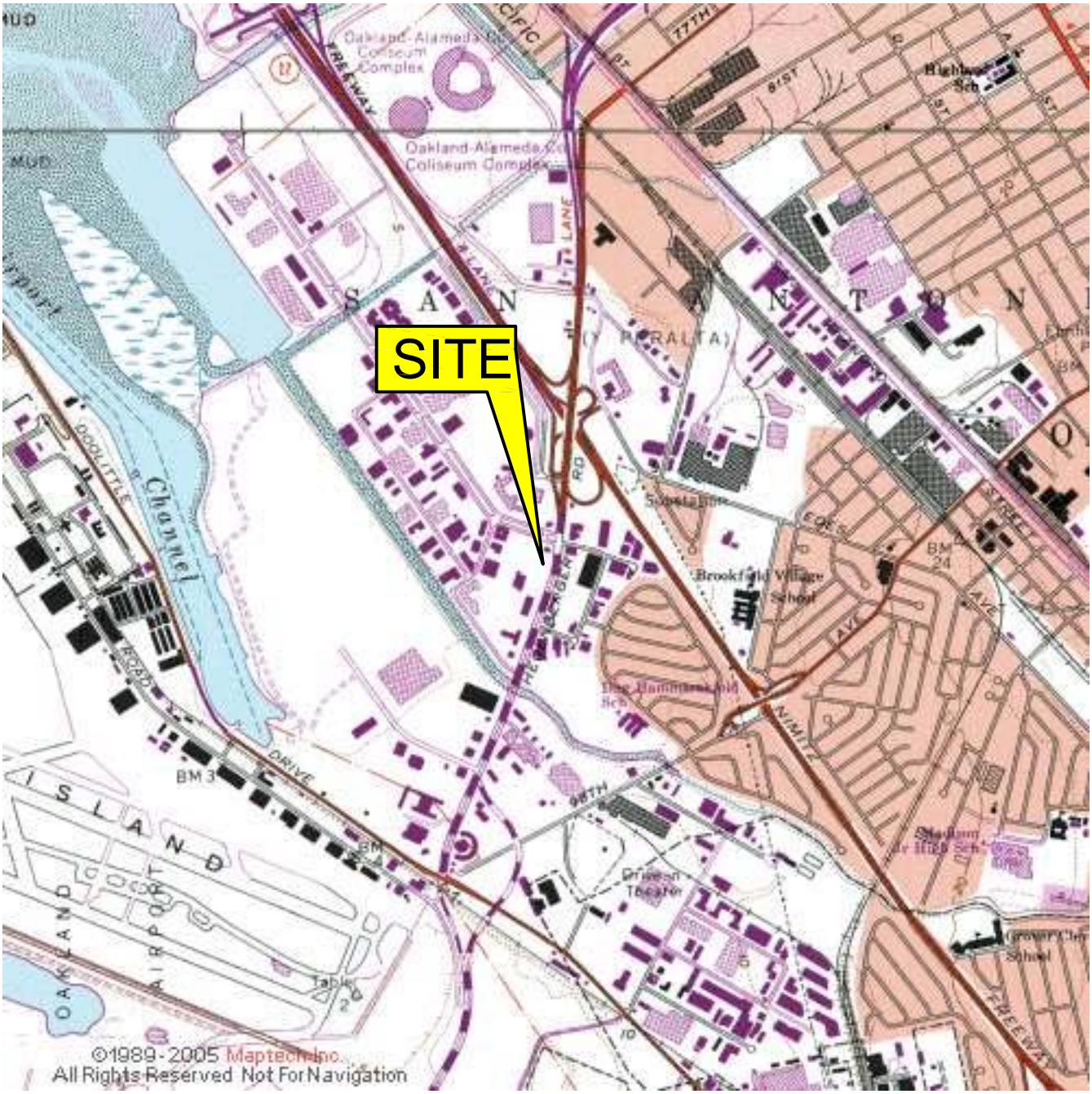
Enclosures:

Figures:
- Figure 1 – Site Location Map
- Figure 2 – Site Map
- Figure 3 – Groundwater Elevation Contour Map - December 17, 2009
- Figure 4 – Dissolved-Phase TPHg Isoconcentration Map - December 17, 2009
- Figure 5 – Dissolved-Phase Benzene Isoconcentration Map - December 17, 2009
- Figure 6 – Dissolved-Phase MTBE Isoconcentration Map - December 17, 2009
- Figure 7 – Groundwater Flow Direction Rose Diagram

Tables:
- Table 1 – Current Groundwater Monitoring and Analytical Results
- Table 2 – Historical Groundwater Monitoring and Analytical Results
- Table 2a – Additional Historical Analytical Results
- Table 2b – Additional Historical Analytical Results
- Table 3 – Groundwater Gradient and Flow Direction

Attachments:
- Attachment A – Previous Investigations and Site History Summary
- Attachment B – Blaine Tech's Procedures for Groundwater Monitoring and Sampling, and Equipment Decontamination
- Attachment C –Groundwater Monitoring and Sampling Field Data Sheets
- Attachment D –Groundwater Sampling Certified Laboratory Analytical Report and Chain-of-Custody Documentation
- Attachment E – Waste Disposal Manifest

Figures



North

0 900 1800 FT

SCALE

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, OAKLAND EAST QUADRANGLE (1973)

FIGURE 1

SITE LOCATION MAP

76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO. 142611270	DRAWN BY JH 06/02/09
FILE NO. 11270-SiteLocator	PREPARED BY DD
REVISION NO.	REVIEWED BY

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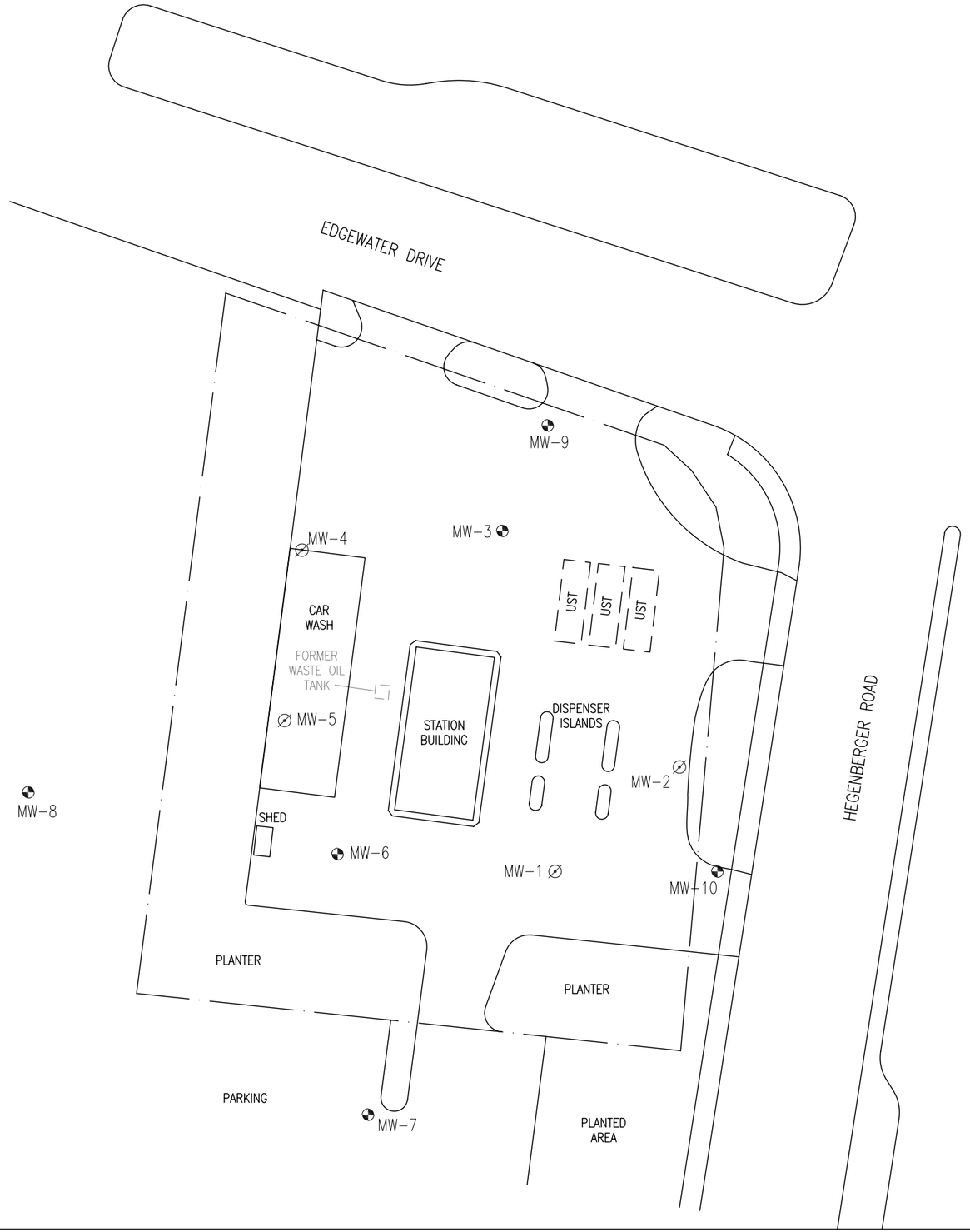
LEGEND

MW– MONITORING WELL

MW– ABANDONED MONITORING WELL

APPROXIMATE PROPERTY LINE



North

0 40

SCALE IN FEET

FIGURE 2
SITE MAP

76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	JF	DR/JH
DATE	REVIEWED BY	FILE NAME
01/12/10	DD	C10504300sm

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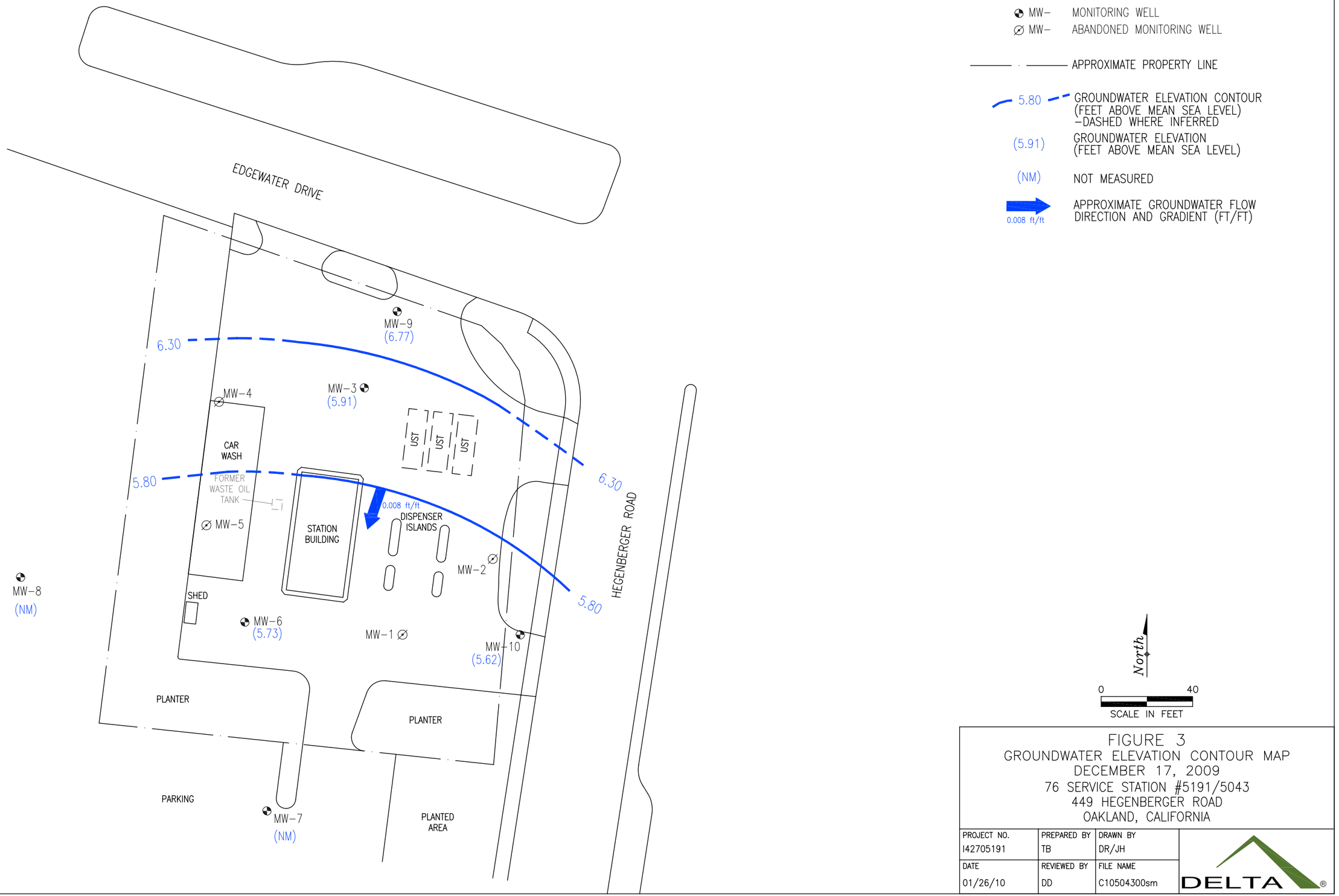

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 17, 2009
76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	TB	DR/JH
DATE	REVIEWED BY	FILE NAME
01/26/10	DD	C10504300sm

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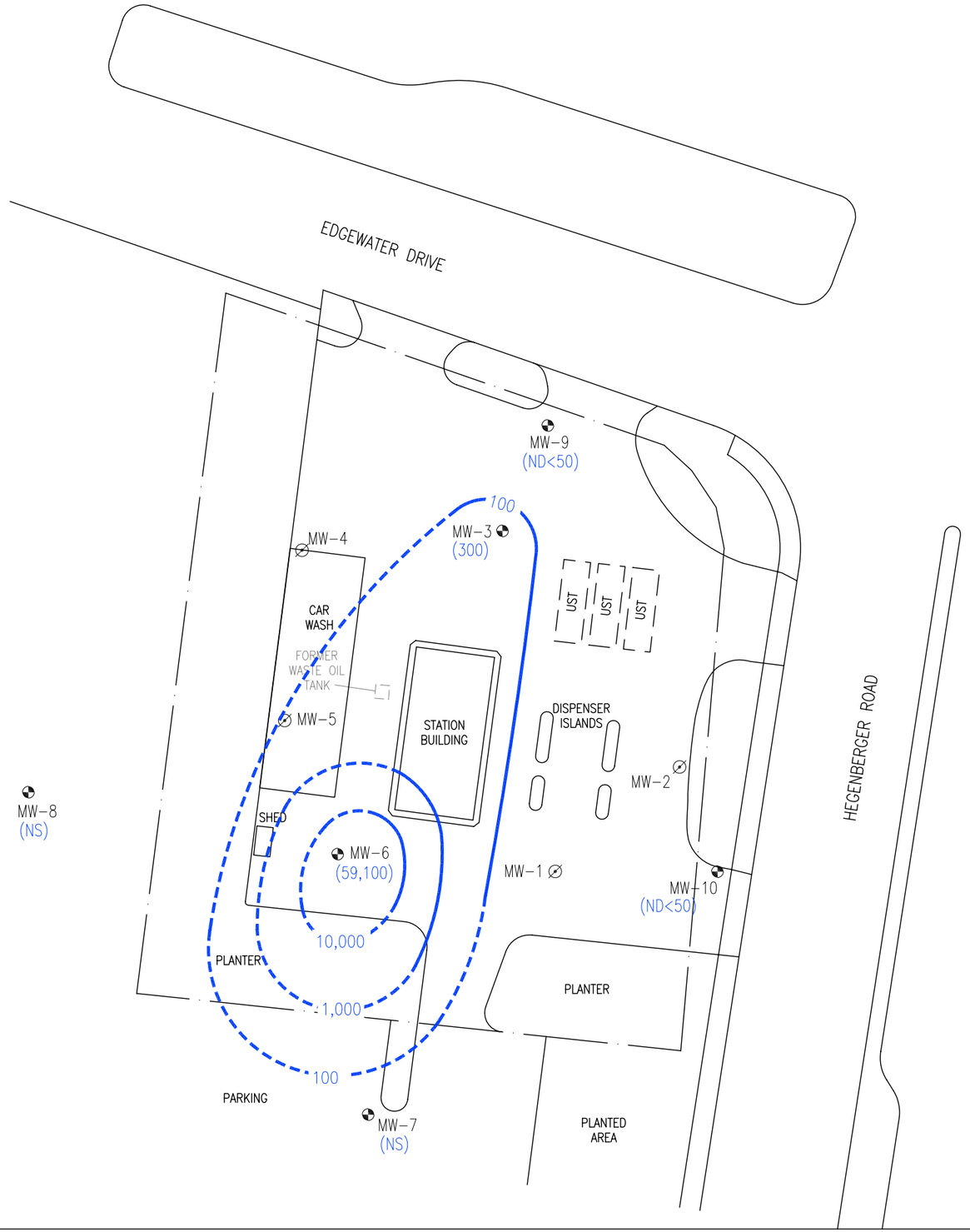

LEGEND

- MW- MONITORING WELL
- MW- ABANDONED MONITORING WELL
- APPROXIMATE PROPERTY LINE
- 100 / (300) TPH-G ISOCONCENTRATION CONTOUR LINE (ug/L) -DASHED WHERE INFERRED; TPH-G ISOCONCENTRATION (ug/L)

NOTES:
TPH-G – TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
ND<50 – LESS THAN LABORATORY INDICATED REPORTING LIMITS
NS – NOT SAMPLED
ug/L – MICROGRAMS PER LITER

North

0 40
SCALE IN FEET

FIGURE 4
DISSOLVED PHASE TPH-G ISOCONCENTRATION MAP
DECEMBER 17, 2009
76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	TB	DR/JH
DATE	REVIEWED BY	FILE NAME
01/26/10	DD	C10504300sm

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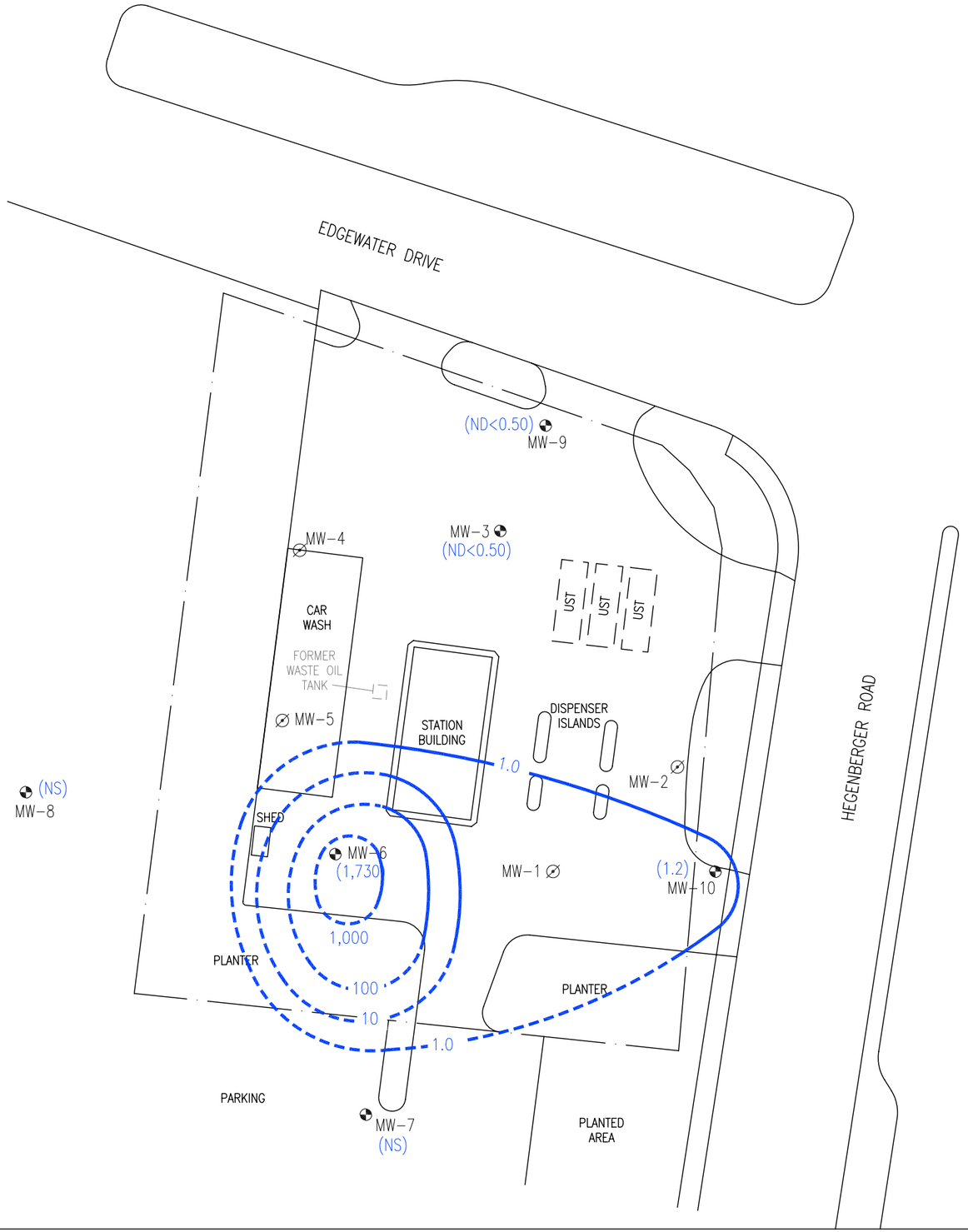

LEGEND

- MW- MONITORING WELL
- MW- ABANDONED MONITORING WELL
- APPROXIMATE PROPERTY LINE
- (1.2) BENZENE ISOCONCENTRATION (ug/L)
- 10 BENZENE ISOCONCENTRATION CONTOUR (ug/L) –DASHED WHERE INFERRED

NOTES:
ND<0.50 – LESS THAN LABORATORY INDICATED REPORTING LIMITS
NS – NOT SAMPLED
ug/L – MICROGRAMS PER LITER

North

0 40

SCALE IN FEET

FIGURE 5
DISSOLVED PHASE BENZENE ISOCONCENTRATION MAP DECEMBER 17, 2009

76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	TB	DR/JH
DATE	REVIEWED BY	FILE NAME
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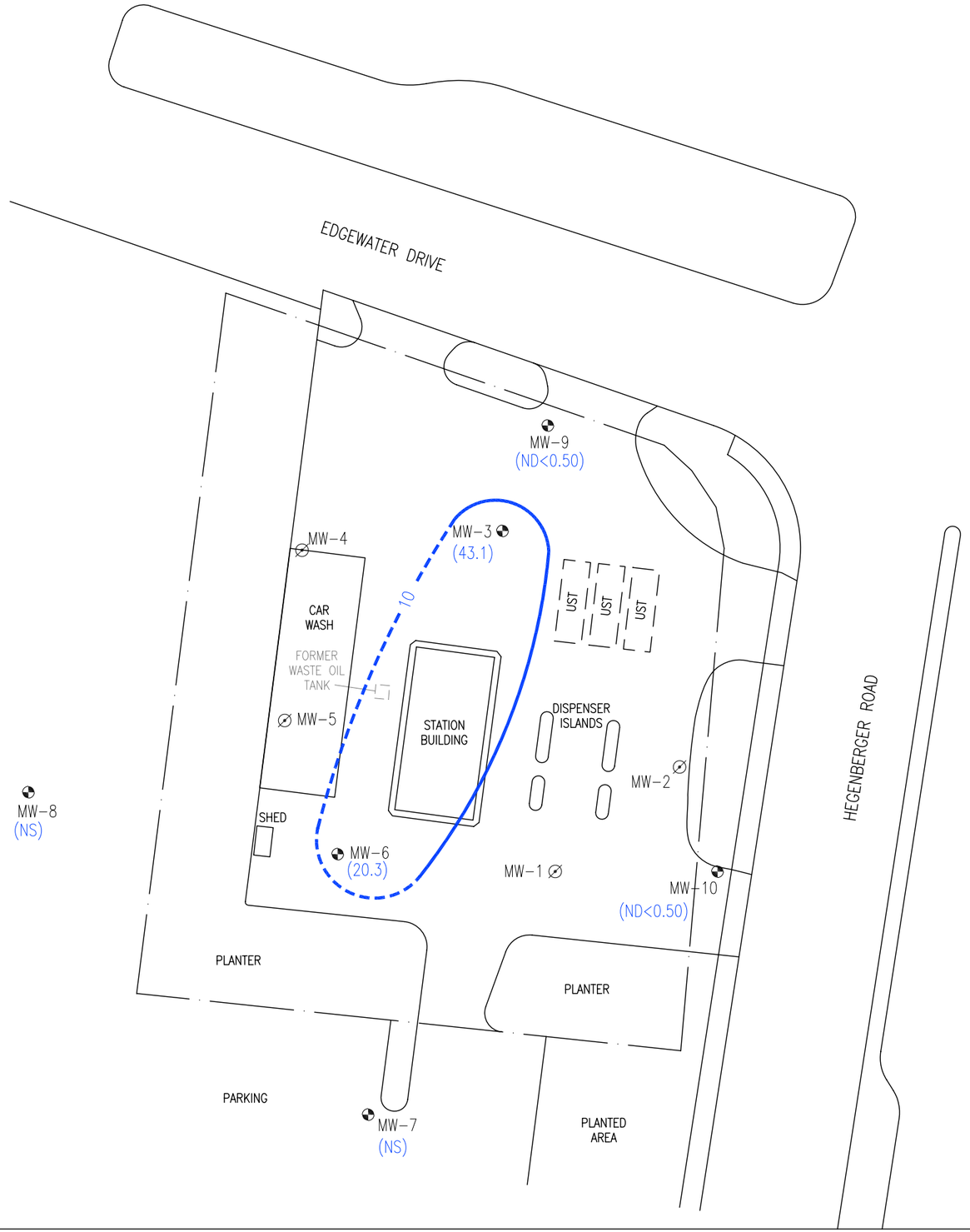

LEGEND

- MW- MONITORING WELL
- MW- ABANDONED MONITORING WELL
- APPROXIMATE PROPERTY LINE
- 10 MTBE ISOCONCENTRATION CONTOUR LINE (ug/L) –DASHED WHERE INFERRED
- (20.3) MTBE ISOCONCENTRATION (ug/L)

NOTES:
MTBE – METHYL TERT BUTYL ETHER
NS – NOT SAMPLED
ND<0.50 – LESS THAN LABORATORY INDICATED REPORTING LIMITS
ug/L – MICROGRAMS PER LITER

North

0 40

SCALE IN FEET

FIGURE 6
DISSOLVED PHASE MTBE ISOCONCENTRATION MAP
DECEMBER 17, 2009
76 SERVICE STATION #5191/5043
449 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
142705191	TB	DR/JH
DATE	REVIEWED BY	FILE NAME
01/26/10	DD	C10504300sm

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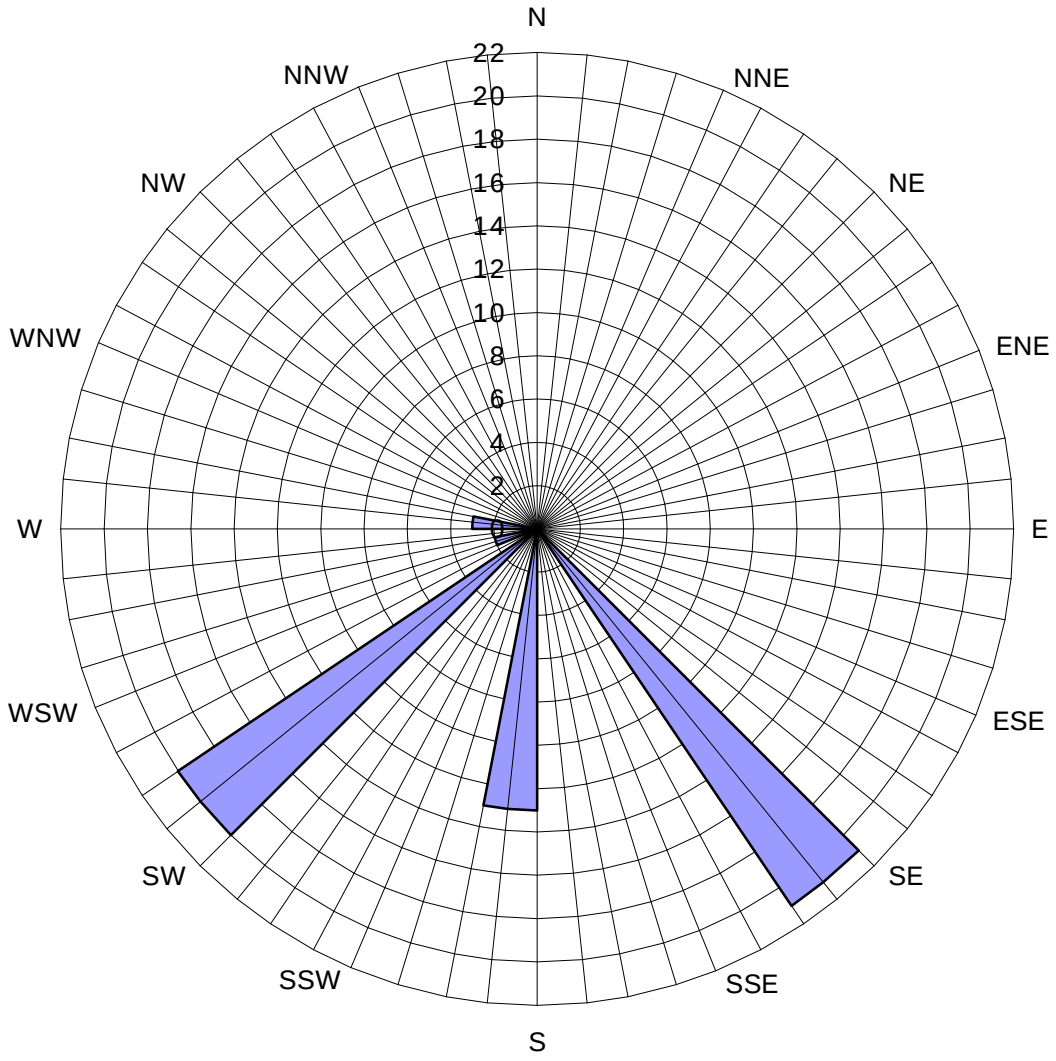
Figure 7
Historic Groundwater Flow Directions
Site No. 5191/5043
449 Hegenberger Road
Oakland, California



Legend
Concentric circles represent quarterly montoring events
Second Quarter 1992
through
Fourth Quarter 2009
58 data points shown

Tables

Table 1
CURRENT GROUNDWATER MONITORING ANALYTICAL RESULTS

December 17, 2009
76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHd 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-3	12/17/2009	8.04	2.13	0	5.91	0.50	**338**	**300**	ND<0.50	ND<0.50	**0.78**	ND<1.5	--	**43.1**	
MW-4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-6	12/17/2009	8.87	3.14	0	5.73	0.50	**30,300**	**59,100**	**1,730**	**199**	**2,260**	**5,460**	--	**20.3**	
MW-7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-9	12/17/2009	8.29	1.52	0	6.77	0.31	**105**	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	
MW-10	12/17/2009	8.62	3.00	0	5.62	0.85	**110**	ND<50	**1.2**	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	

Notes:
TPHg = Total Petroleum Hydrocarbons as gasoline
TPHd = Total Petroleum Hydrocarbons as diesel
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MTBE = Methyl tert-butyl ether
TBA = Tert-butyl alchohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2-Dichoroethane
EDB = 1,2-Dibromoethane
D.O. = Dissolved Oxygen; rounded to the nearest tenth
SPH = Separate-phase hydrocarbons
TOC = Top of casing (surveyed)
Calc. GW Elev. = Calculated groundwater elevation = TOC-Depth to Water + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH
ft-MSL =feet above mean sea level
mg/L = Milligrams per liter
µg/L = Micrograms per liter
< = Analyte was below the laboratory's indicated reporting limit
- = Not measured or analyzed
VOL = Well not sampled due to insufficient volume of water in well

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-1															
	2/18/1992	--	--	--	--	--	150000	--	17000	26000	5200	26000	--	--	
	5/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/31/1992	--	--	--	--	--	64000	--	13000	12000	2500	22000	--	--	
	11/30/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/4/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/4/1993	8.96	2.13	0.1	6.90	--	--	--	--	--	--	--	--	--	LPH in well
	8/4/1993	8.96	2.92	0.03	6.06	-0.84	--	--	--	--	--	--	--	--	LPH in well
	11/3/1993	7.38	3.04	0	4.34	-1.72	--	--	--	--	--	--	--	--	Not sampled; Presence of free product
	2/7/1994	7.38	2.55	0.03	4.85	0.51	--	--	--	--	--	--	--	--	LPH in well
	5/19/1994	7.38	2.23	0.01	5.16	0.31	--	--	--	--	--	--	--	--	LPH in well
	6/25/1994	7.38	2.49	0.01	4.90	-0.26	--	--	--	--	--	--	--	--	LPH in well
	7/27/1994	7.38	3.10	0	4.28	-0.62	--	--	--	--	--	--	--	--	
	8/15/1994	7.38	2.85	0.11	4.61	0.33	--	--	--	--	--	--	--	--	LPH in well
	11/14/1994	7.38	2.97	0.12	4.50	-0.11	--	--	--	--	--	--	--	--	LPH in well
	2/21/1995	7.38	1.53	0.02	5.87	1.37	--	--	--	--	--	--	--	--	LPH in well
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-2															
	2/18/1992	--	--	--	--	--	29000	--	1000	5300	260	7900	--	--	
	5/20/1992	--	--	--	--	--	24000	--	2200	7600	630	11000	--	--	
	8/31/1992	--	--	--	--	--	9000	--	1800	640	140	2000	--	--	
	11/30/1992	--	--	--	--	--	29000	--	2000	3400	1200	6900	--	--	
	2/4/1993	--	--	--	--	--	18000	--	1600	3000	ND	6900	--	--	
	5/4/1993	8.96	2.48	0	6.48	--	63000	--	3200	17000	470	17000	--	--	
	8/4/1993	8.96	3.20	0	5.76	-0.72	45000	--	2100	6600	1400	12000	--	--	
	11/3/1993	8.58	3.37	0	5.21	-0.55	72000	--	3700	16000	3700	20000	--	--	
	2/7/1994	8.58	2.40	0	6.18	0.97	--	--	--	--	--	--	--	--	Not sampled; Presence of free product
	5/19/1994	8.58	2.13	0	6.45	0.27	42000	--	2500	1300	2300	13000	--	--	
	6/25/1994	8.58	2.65	0	5.93	-0.52	--	--	--	--	--	--	--	--	
	7/27/1994	8.58	3.44	0	5.14	-0.79	--	--	--	--	--	--	--	--	
	8/15/1994	8.58	3.25	0	5.33	0.19	35000	--	2400	850	1700	15000	--	--	
	11/14/1994	8.58	2.13	0	6.45	1.12	43000	--	2200	6500	1800	14000	--	--	
	2/21/1995	8.58	1.65	0	6.93	0.48	44000	--	2200	3200	1300	1500	--	--	
	5/18/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-3															
	2/18/1992	--	--	--	--	--	230	--	4.8	22	1.8	33	--	--	
	5/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	8/31/1992	--	--	--	--	--	210	--	1	ND	ND	ND	--	--	
	11/30/1992	--	--	--	--	--	790	--	ND	ND	ND	ND	--	--	
	2/4/1993	--	--	--	--	--	3300	--	320	ND	96	6.1	--	--	
	5/4/1993	7.84	4.32	0	3.52	--	1800	--	95	ND	ND	ND	--	--	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-3	8/4/1993	7.84	4.94	0	2.90	-0.62	210	--	ND	ND	ND	ND	--	--	
	11/3/1993	7.42	4.53	0	2.89	-0.01	640	--	ND	ND	ND	ND	--	--	
	2/7/1994	7.42	2.40	0	5.02	2.13	2700	--	110	ND	17	ND	--	--	
	5/19/1994	7.42	3.60	0	3.82	-1.20	1800	--	83	ND	6.2	9.1	--	--	
	6/25/1994	7.42	4.58	0	2.84	-0.98	--	--	--	--	--	--	--	--	
	7/27/1994	7.42	4.58	0	2.84	0.00	--	--	--	--	--	--	--	--	
	8/15/1994	7.42	4.65	0	2.77	-0.07	130	--	1.1	0.54	ND	0.97	--	--	
	11/14/1994	7.42	3.18	0	4.24	1.47	1600	--	ND	ND	ND	ND	--	--	
	2/21/1995	7.42	1.81	0	5.61	1.37	3800	--	350	ND	130	22	--	--	
	5/18/1995	7.42	4.56	0	2.86	-2.75	1300	--	42	ND	ND	ND	--	--	
	8/17/1995	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	7/26/1996	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	10/28/1996	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Obstructed at 0.55 feet
	1/29/1997	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	4/15/1997	7.42	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	5/27/1997	7.42	3.45	0	3.97	--	670	--	6.5	ND	ND	ND	250	--	
	6/1/1997	7.42	3.50	0	3.92	-0.05	--	--	--	--	--	--	--	--	
	7/15/1997	8.04	3.71	0	4.33	0.41	240	--	ND	ND	ND	ND	490	--	
	10/9/1997	8.04	3.70	0	4.34	0.01	270	--	1.1	ND	2.4	1.4	910	--	
	1/14/1998	8.04	2.16	0	5.88	1.54	310	--	ND	ND	0.62	0.65	140	--	
	4/1/1998	8.04	2.20	0	5.84	-0.04	370	--	5.7	ND	ND	ND	93	--	
	7/15/1998	8.04	3.38	0	4.66	-1.18	460	--	ND	ND	ND	ND	230	--	
	10/16/1998	8.04	2.30	0	5.74	1.08	330	--	4.7	ND	ND	ND	60	--	
	1/25/1999	8.04	2.42	0	5.62	-0.12	420	--	1.5	ND	ND	ND	180	--	
	4/15/1999	8.04	2.16	0	5.88	0.26	290	--	0.54	ND	ND	ND	160	--	
	7/14/1999	8.04	2.35	0	5.69	-0.19	290	--	3.2	ND	ND	ND	160	--	
	10/21/1999	8.04	2.49	0	5.55	-0.14	360	--	0.77	ND	ND	ND	82	--	
	1/20/2000	8.04	2.38	0	5.66	0.11	ND	--	0.81	ND	ND	ND	54	--	
	4/13/2000	8.04	2.76	0	5.28	-0.38	250	--	0.69	ND	ND	ND	91	150	
	7/14/2000	8.04	3.26	0	4.78	-0.50	345	--	ND	ND	ND	ND	94.7	--	
	10/26/2000	8.04	3.12	0	4.92	0.14	480	--	6.0	ND	ND	ND	120	--	
	1/3/2001	8.04	3.65	0	4.39	-0.53	364	--	1.59	ND	ND	ND	118	--	
	4/4/2001	8.04	3.98	0	4.06	-0.33	417	--	1.24	ND	ND	0.802	237	--	
	7/17/2001	8.04	3.12	0	4.92	0.86	480	--	ND	ND	ND	ND	150	--	
	10/1/2001	8.04	3.25	0	4.79	-0.13	310	--	1.0	ND<0.50	ND<0.50	ND<0.50	53	--	
	1/31/2002	8.04	2.27	0	5.77	0.98	250	--	3.5	ND<1.0	ND<1.0	ND<1.0	110	--	
	4/18/2002	8.04	3.55	0	4.49	-1.28	300	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	59	
	7/28/2002	8.04	2.55	0	5.49	1.00	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
	10/9/2002	8.04	2.47	0	5.57	0.08	--	690	ND<5	ND<5	ND<5	ND<10	--	120	
	1/2/2003	8.04	1.70	0	6.34	0.77	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	110	
	4/1/2003	8.04	3.48	0	4.56	-1.78	--	250	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	210	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-3	7/1/2003	8.04	2.65	0	5.39	0.83	--	450	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	70	
	10/2/2003	8.04	3.12	0	4.92	-0.47	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	210	
	1/9/2004	8.04	2.39	0	5.65	0.73	--	300	ND<0.50	0.53	0.53	1.5	--	66	
	4/26/2004	8.04	3.11	0	4.93	-0.72	--	440	2.5	5.5	2.9	9.4	--	81	
	7/22/2004	8.04	2.51	0	5.53	0.60	--	420	ND<0.5	ND<0.5	ND<0.5	ND<1	--	72	
	10/29/2004	8.04	2.00	0	6.04	0.51	--	460	5.6	15	10	46	--	48	
	1/10/2005	8.04	1.52	0	6.52	0.48	--	280	ND<0.50	0.62	ND<0.50	2.4	--	64	
	6/15/2005	8.04	2.00	0	6.04	-0.48	--	460	ND<0.50	0.70	0.56	1.9	--	110	
	9/27/2005	8.04	1.90	0	6.14	0.10	--	210	ND<0.50	0.60	ND<0.50	ND<1.0	--	100	
	12/13/2005	8.04	2.35	0	5.69	-0.45	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	92	
	3/23/2006	8.04	1.84	0	6.20	0.51	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	88	
	6/23/2006	8.04	2.26	0	5.78	-0.42	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	75	
	9/26/2006	8.04	2.08	0	5.96	0.18	--	270	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	73	
	12/22/2006	8.04	1.88	0	6.16	0.20	--	260	ND<0.50	ND<0.50	ND<0.50	1.2	--	71	
	3/30/2007	8.04	2.47	0	5.57	-0.59	--	390	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	120	
	6/28/2007	8.04	2.54	0	5.50	-0.07	--	370	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	55	
	9/25/2007	8.04	2.56	0	5.48	-0.02	--	350	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	61	
	12/28/2007	8.04	2.29	0	5.75	0.27	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	66	
	3/22/2008	8.04	3.26	0	4.78	-0.97	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	39	
	6/23/2008	8.04	2.60	0	5.44	0.66	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
	9/19/2008	8.04	3.45	0	4.59	-0.85	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	120	
	12/31/2008	8.04	2.55	0	5.49	0.90	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	38	
	3/27/2009	8.04	2.37	0	5.67	0.18	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
	5/28/2009	8.04	3.32	0	4.72	-0.95	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	60	
	9/17/2009	8.04	2.63	0	5.41	0.69	--	--	--	--	--	--	--	--	Sampled Q2 and Q4 only
	12/17/2009	8.04	2.13	0	5.91	0.50	--	**300**	ND<0.50	ND<0.50	**0.78**	ND<1.5	--	**43.1**	
MW-4															
	8/31/1992	--	--	--	--	--	240	--	ND	ND	ND	0.54	--	--	
	11/30/1992	--	--	--	--	--	420	--	ND	ND	ND	ND	--	--	
	2/4/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	5/4/1993	9.00	4.09	0	4.91	--	110	--	0.95	ND	ND	ND	--	--	
	8/4/1993	9.00	5.01	0	3.99	-0.92	250	--	ND	3.5	ND	4.1	--	--	
	11/3/1993	8.41	4.23	0	4.18	0.19	130	--	ND	ND	ND	ND	--	--	
	2/7/1994	8.41	3.35	0	5.06	0.88	56	--	ND	ND	ND	ND	--	--	
	5/19/1994	8.41	3.92	0	4.49	-0.57	140	--	ND	ND	ND	ND	--	--	
	6/25/1994	8.41	4.35	0	4.06	-0.43	--	--	--	--	--	--	--	--	
	7/27/1994	8.41	4.28	0	4.13	0.07	--	--	--	--	--	--	--	--	
	8/15/1994	8.41	4.27	0	4.14	0.01	59	--	ND	0.6	ND	ND	--	--	
	11/14/1994	8.41	4.05	0	4.36	0.22	130	--	ND	ND	ND	ND	--	--	
	2/21/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-5	8/31/1992	--	--	--	--	--	78	--	0.89	ND	ND	13	--	--	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-5	11/30/1992	--	--	--	--	--	930	--	70	290	0.79	14	--	--	
	2/4/1993	--	--	--	--	--	5700	--	38	ND	620	170	--	--	
	5/4/1993	8.95	4.37	0	4.58	--	7400	--	41	ND	1000	35	--	--	
	8/4/1993	8.95	5.81	0	3.14	-1.44	1500	--	130	1	460	11	--	--	
	11/3/1993	8.95	5.68	0	3.27	0.13	13000	--	350	ND	3500	530	--	--	
	2/7/1994	8.95	5.11	0	3.84	0.57	2000	--	87	ND	370	110	--	--	
	5/19/1994	8.95	5.09	0	3.86	0.02	260	--	44	ND	32	4.1	--	--	
	6/25/1994	8.95	4.55	0	4.40	0.54	--	--	--	--	--	--	--	--	
	7/27/1994	8.95	5.72	0	3.23	-1.17	--	--	--	--	--	--	--	--	
	8/15/1994	8.95	5.68	0	3.27	0.04	1600	--	110	ND	340	72	--	--	
	11/14/1994	8.95	5.63	0	3.32	0.05	250	--	40	ND	ND	5	--	--	
	2/21/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	Destroyed
MW-6															
	8/31/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	11/30/1992	--	--	--	--	--	9200	--	550	ND	740	1600	--	--	
	2/4/1993	--	--	--	--	--	3600	--	340	ND	290	550	--	--	
	5/4/1993	9.12	3.72	0	5.40	--	4900	--	360	18	450	430	--	--	
	8/4/1993	9.12	5.15	0	3.97	-1.43	3400	--	390	ND	440	190	--	--	
	11/3/1993	8.87	5.25	0	3.62	-0.35	1400	--	320	ND	200	7.7	--	--	
	2/7/1994	8.87	4.55	0	4.32	0.70	4900	--	650	ND	250	35	--	--	
	5/19/1994	8.87	4.62	0	4.25	-0.07	3600	--	300	1.7	210	41	--	--	
	8/15/1994	8.87	5.08	0	3.79	-0.46	1300	--	130	6.7	54	57	--	--	
	11/14/1994	8.87	5.30	0	3.57	-0.22	730	--	50	ND	ND	39	--	--	
	2/21/1995	8.87	5.37	0	3.50	-0.07	2000	--	250	4.6	25	30	--	--	
	5/18/1995	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	8/17/1995	8.87	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
	7/26/1996	8.87	6.40	3.33	4.97	--	--	--	--	--	--	--	--	--	LPH in well
	10/28/1996	8.87	4.10	0.21	4.93	-0.04	--	--	--	--	--	--	--	--	LPH in well
	11/13/1996	8.87	4.02	0.25	5.04	0.11	--	--	--	--	--	--	--	--	LPH in well
	11/25/1996	8.87	4.01	0.75	5.42	0.38	--	--	--	--	--	--	--	--	LPH in well
	12/4/1996	8.87	3.65	0.5	5.59	0.17	--	--	--	--	--	--	--	--	LPH in well
	12/19/1996	8.87	4.80	2.2	5.72	0.13	--	--	--	--	--	--	--	--	LPH in well
	1/8/1997	8.87	4.84	1.75	5.34	-0.38	--	--	--	--	--	--	--	--	LPH in well
	1/14/1997	8.87	4.51	1.15	5.22	-0.12	--	--	--	--	--	--	--	--	LPH in well
	1/27/1997	8.87	4.00	1.75	6.18	0.96	--	--	--	--	--	--	--	--	LPH in well
	1/29/1997	8.87	3.24	0.31	5.86	-0.32	--	--	--	--	--	--	--	--	LPH in well
	2/11/1997	8.87	4.65	1.2	5.12	-0.74	--	--	--	--	--	--	--	--	LPH in well
	2/24/1997	8.87	4.81	1.1	4.89	-0.23	--	--	--	--	--	--	--	--	LPH in well
	3/10/1997	8.87	4.60	0.95	4.98	0.10	--	--	--	--	--	--	--	--	LPH in well
	3/17/1997	8.87	4.50	0.89	5.04	0.05	--	--	--	--	--	--	--	--	LPH in well
	3/31/1997	8.87	4.65	1	4.97	-0.07	--	--	--	--	--	--	--	--	LPH in well

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-6	4/15/1997	8.87	4.90	1.03	4.74	-0.23	--	--	--	--	--	--	--	--	LPH in well
	4/28/1997	8.87	4.78	0.03	4.11	-0.63	--	--	--	--	--	--	--	--	LPH in well
	5/15/1997	8.87	4.60	0.25	4.46	0.35	--	--	--	--	--	--	--	--	LPH in well
	5/27/1997	8.87	4.50	0.25	4.56	0.10	--	--	--	--	--	--	--	--	LPH in well
	6/9/1997	8.87	4.60	0.2	4.42	-0.14	--	--	--	--	--	--	--	--	LPH in well
	6/24/1997	8.87	4.50	0.25	4.56	0.14	--	--	--	--	--	--	--	--	LPH in well
	7/9/1997	8.87	4.80	0.6	4.52	-0.04	--	--	--	--	--	--	--	--	LPH in well
	7/15/1997	8.87	4.63	0.42	4.55	0.04	--	--	--	--	--	--	--	--	LPH in well
	7/21/1997	8.87	4.75	0.25	4.31	-0.25	--	--	--	--	--	--	--	--	LPH in well
	8/6/1997	8.87	4.50	0.1	4.44	0.14	--	--	--	--	--	--	--	--	LPH in well
	8/20/1997	8.87	4.55	0.1	4.39	-0.05	--	--	--	--	--	--	--	--	LPH in well
	9/2/1997	8.87	4.75	0.05	4.16	-0.24	--	--	--	--	--	--	--	--	LPH in well
	10/9/1997	8.87	4.84	0.04	4.06	-0.10	--	--	--	--	--	--	--	--	LPH in well
	1/14/1998	8.87	3.90	0.94	5.67	1.61	--	--	--	--	--	--	--	--	LPH in well
	2/12/1998	8.87	3.35	0.64	6.00	0.33	--	--	--	--	--	--	--	--	LPH in well
	3/3/1998	8.87	4.51	0.02	4.37	-1.63	--	--	--	--	--	--	--	--	LPH in well
	4/1/1998	8.87	3.67	1.6	6.40	2.03	--	--	--	--	--	--	--	--	LPH in well
	5/26/1998	8.87	4.11	0.5	5.13	-1.26	--	--	--	--	--	--	--	--	LPH in well
	6/15/1998	8.87	5.03	0.3	4.06	-1.07	--	--	--	--	--	--	--	--	LPH in well
	7/15/1998	8.87	4.56	0.05	4.35	0.28	--	--	--	--	--	--	--	--	LPH in well
	8/21/1998	8.87	4.77	0.02	4.11	-0.23	--	--	--	--	--	--	--	--	LPH in well
	9/30/1998	8.87	5.08	0.03	3.81	-0.30	--	--	--	--	--	--	--	--	LPH in well
	10/16/1998	8.87	4.31	2.4	6.36	2.55	--	--	--	--	--	--	--	--	LPH in well
	11/6/1998	8.87	3.98	0.17	5.02	-1.34	--	--	--	--	--	--	--	--	LPH in well
	11/25/1998	8.87	3.92	0.1	5.02	0.01	--	--	--	--	--	--	--	--	LPH in well
	12/28/1998	8.87	3.90	0.2	5.12	0.10	--	--	--	--	--	--	--	--	LPH in well
	1/25/1999	8.87	4.18	0.6	5.14	0.02	--	--	--	--	--	--	--	--	LPH in well
	2/22/1999	8.87	4.07	0.22	4.96	-0.18	--	--	--	--	--	--	--	--	LPH in well
	3/22/1999	8.87	4.32	0.15	4.66	-0.30	--	--	--	--	--	--	--	--	LPH in well
	4/15/1999	8.87	4.23	0.95	5.35	0.69	--	--	--	--	--	--	--	--	LPH in well
	5/28/1999	8.87	4.38	0.39	4.78	-0.57	--	--	--	--	--	--	--	--	LPH in well
	6/29/1999	8.87	4.12	0.02	4.76	-0.02	--	--	--	--	--	--	--	--	LPH in well
	7/14/1999	8.87	4.20	0.03	4.69	-0.07	--	--	--	--	--	--	--	--	Not sampled - presence of free product
	8/23/1999	8.87	4.51	0.24	4.54	-0.15	--	--	--	--	--	--	--	--	LPH in well
	9/30/1999	8.87	4.17	0.17	4.83	0.29	--	--	--	--	--	--	--	--	LPH in well
	10/21/1999	8.87	4.27	0.12	4.69	-0.14	--	--	--	--	--	--	--	--	LPH in well
	11/29/1999	8.87	4.18	0	4.69	0.00	--	--	--	--	--	--	--	--	
	12/20/1999	8.87	4.26	0.01	4.62	-0.07	--	--	--	--	--	--	--	--	LPH in well
	1/20/2000	8.87	4.31	0	4.56	-0.06	130000	--	2900	8600	2000	16000	ND	--	
	2/26/2000	8.87	3.98	0	4.89	0.33	--	--	--	--	--	--	--	--	
	3/31/2000	8.87	4.14	0	4.73	-0.16	--	--	--	--	--	--	--	--	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-6	4/13/2000	8.87	4.04	0	4.83	0.10	140000	--	5000	14000	3600	27000	7700	--	
	5/26/2000	8.87	4.41	0	4.46	-0.37	--	--	--	--	--	--	--	--	
	6/17/2000	8.87	4.35	0	4.52	0.06	--	--	--	--	--	--	--	--	
	7/14/2000	8.87	4.47	0	4.40	-0.12	259000	--	7670	13700	6860	40700	ND	ND	
	8/24/2000	8.87	3.71	0	5.16	0.76	--	--	--	--	--	--	--	--	
	9/27/2000	8.87	4.33	0	4.54	-0.62	--	--	--	--	--	--	--	--	
	10/26/2000	8.87	4.32	0	4.55	0.01	110000	--	7000	6200	3700	12000	670	43	
	1/3/2001	8.87	4.52	0	4.35	-0.20	84700	--	3950	4130	3650	11800	ND	ND	
	4/4/2001	8.87	4.29	0	4.58	0.23	69800	--	2060	2840	3650	10900	ND	47.8	
	7/17/2001	8.87	4.37	0	4.50	-0.08	100000	--	3200	3300	3400	12000	ND	--	
	10/1/2001	8.87	4.45	0	4.42	-0.08	110000	--	3200	2400	4500	13000	ND<1000	--	
	1/31/2002	8.87	4.03	0	4.84	0.42	230000	--	2400	1800	5400	16000	ND<2500	--	
	4/18/2002	8.87	3.45	0	5.42	0.58	94000	--	6800	13000	3000	19000	ND<500	--	
	7/28/2002	8.87	2.24	0	6.63	1.21	--	110000	530	170	3200	7300	--	ND<100	
	10/9/2002	8.87	3.53	0	5.34	-1.29	--	970000	10000	39000	13000	94000	--	ND<2000	
	1/2/2003	8.87	2.34	0	6.53	1.19	--	270000	6100	15000	5400	37000	--	ND<200	
	4/1/2003	8.87	3.17	0	5.70	-0.83	--	3000000	8000	39000	37000	260000	--	ND<2000	
	7/1/2003	8.87	3.55	0	5.32	-0.38	--	38000	2100	990	2700	6500	--	ND<100	
	10/2/2003	8.87	3.82	0	5.05	-0.27	--	100000	5600	6900	4700	18000	--	ND<800	
	1/9/2004	8.87	2.80	0	6.07	1.02	--	170000	2800	3300	4700	16000	--	ND<200	
	4/26/2004	8.87	3.40	0	5.47	-0.60	--	97000	5900	9000	5100	23000	--	ND<50	
	7/22/2004	8.87	3.54	0	5.33	-0.14	--	110000	4100	5100	4000	16000	--	ND<200	
	10/29/2004	8.87	3.03	0	5.84	0.51	--	100000	5200	6100	4200	15000	--	ND<50	
	1/10/2005	8.87	2.35	0	6.52	0.68	--	71000	1600	3700	2100	9900	--	ND<50	
	6/15/2005	8.87	2.47	0	6.40	-0.12	--	130000	800	1800	2200	9300	--	ND<50	
	9/27/2005	8.87	2.55	0	6.32	-0.08	--	13000	82	120	430	990	--	0.56	
	12/13/2005	8.87	3.28	0	5.59	-0.73	--	68000	1500	1100	2200	7700	--	ND<50	
	3/23/2006	8.87	2.87	0	6.00	0.41	--	41000	290	140	1500	2700	--	ND<50	
	6/23/2006	8.87	3.15	0	5.72	-0.28	--	50000	2200	1400	1900	5700	--	ND<12	
	9/26/2006	8.87	3.08	0	5.79	0.07	--	130000	2200	1000	2900	8800	--	ND<50	
	12/22/2006	8.87	2.90	0	5.97	0.18	--	90000	940	610	1900	4700	--	ND<50	
	3/30/2007	8.87	3.26	0	5.61	-0.36	--	210000	1100	560	3400	12000	--	ND<10	
	6/28/2007	8.87	3.46	0	5.41	-0.20	--	67000	2200	1300	2700	10000	--	ND<25	
	9/25/2007	8.87	3.52	0	5.35	-0.06	--	56000	2900	720	2400	9000	--	ND<25	
	12/28/2007	8.87	3.27	0	5.60	0.25	--	78000	28000	2700	4000	8100	--	16000	
	3/22/2008	8.87	2.48	0	6.39	0.79	--	66000	380	150	1500	2400	--	ND<25	
	6/23/2008	8.87	3.54	0	5.33	-1.06	--	59000	1600	130	1800	4100	--	25	
	9/19/2008	8.87	4.06	0	4.81	-0.52	--	65000	2000	230	2000	4500	--	ND<12	
	12/31/2008	8.87	3.45	0	5.42	0.61	--	91000	2000	320	5300	13000	--	ND<50	
	3/27/2009	8.87	3.09	0	5.78	0.36	--	150000	1300	240	2800	7200	--	ND<50	
	5/28/2009	8.87	3.49	0	5.38	-0.40	--	53000	1700	200	2300	5400	--	ND<50	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-6	9/17/2009	8.87	3.64	0	5.23	-0.15	--	77000	2100	1400	2600	8500	--	ND<12	
	12/17/2009	8.87	3.14	0	5.73	0.50	**--**	**59,100**	**1730**	**199**	**2260**	**5460**	--	**20.3**	
MW-7															
	5/27/1997	8.83	4.50	0	4.33	--	68	--	ND	ND	ND	ND	ND	--	
	6/1/1997	8.83	4.54	0	4.29	-0.04	--	--	--	--	--	--	--	--	
	7/15/1997	8.83	4.70	0	4.13	-0.16	ND	--	ND	ND	ND	ND	ND	--	
	10/9/1997	8.83	4.30	0	4.53	0.40	ND	--	ND	ND	ND	ND	ND	--	
	1/14/1998	8.83	2.88	0	5.95	1.42	ND	--	ND	ND	ND	ND	36	--	
	4/1/1998	8.83	3.13	0	5.70	-0.25	ND	--	ND	ND	ND	ND	ND	--	
	7/15/1998	8.83	4.45	0	4.38	-1.32	ND	--	ND	ND	ND	ND	ND	--	
	10/16/1998	8.83	3.45	0	5.38	1.00	ND	--	ND	ND	ND	ND	ND	--	
	1/25/1999	8.83	3.22	0	5.61	0.23	ND	--	ND	ND	ND	ND	ND	--	
	4/15/1999	8.83	3.11	0	5.72	0.11	ND	--	ND	ND	ND	ND	ND	--	
	7/14/1999	8.83	3.34	0	5.49	-0.23	ND	--	ND	ND	ND	ND	ND	--	
	10/21/1999	8.83	3.43	0	5.40	-0.09	ND	--	ND	ND	ND	ND	ND	--	
	1/20/2000	8.83	3.29	0	5.54	0.14	ND	--	ND	ND	ND	ND	4.2	--	
	4/13/2000	8.83	3.39	0	5.44	-0.10	ND	--	ND	ND	ND	ND	ND	--	
	7/14/2000	8.83	4.42	0	4.41	-1.03	ND	--	ND	ND	ND	ND	7.83	--	
	7/17/2001	8.83	5.06	0	3.77	-0.64	ND	--	ND	ND	ND	ND	ND	--	
	10/1/2001	8.83	4.98	0	3.85	0.08	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
	1/31/2002	8.83	3.88	0	4.95	1.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	4/18/2002	8.83	4.03	0	4.80	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.7	--	
	7/28/2002	8.83	3.59	0	5.24	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
	10/9/2002	8.83	4.53	0	4.30	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
	1/3/2003	8.83	3.36	0	5.47	1.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	4/1/2003	8.83	3.94	0	4.89	-0.58	--	71	ND<0.50	ND<0.50	0.71	ND<1.0	--	3.4	
	7/1/2003	8.83	4.60	0	4.23	-0.66	--	64	ND<0.50	ND<0.50	0.77	2.0	--	35	
	10/2/2003	8.83	5.46	0	3.37	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
	1/9/2004	8.83	3.55	0	5.28	1.91	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4	
	4/26/2004	8.83	4.49	0	4.34	-0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.5	--	2.3	
	7/22/2004	8.83	4.93	0	3.90	-0.44	--	82	0.90	2.0	3.5	9.9	--	1.4	
	10/29/2004	8.83	3.71	0	5.12	1.22	--	210	0.67	1.6	1.7	5.8	--	ND<0.50	
	1/10/2005	8.83	2.77	0	6.06	0.94	--	74	0.51	2.2	1.7	7.0	--	ND<0.50	
	6/15/2005	8.83	3.40	0	5.43	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.88	
	9/27/2005	8.83	3.44	0	5.39	-0.04	--	ND<50	0.59	1.2	ND<0.50	ND<1.0	--	0.96	
	12/13/2005	8.83	3.98	0	4.85	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
	3/23/2006	8.83	3.37	0	5.46	0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2006	8.83	5.25	0	3.58	-1.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/26/2006	8.83	4.13	0	4.70	1.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.77	
	12/22/2006	8.83	3.63	0	5.20	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	3/30/2007	8.83	4.31	0	4.52	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-7	6/28/2007	8.83	4.62	0	4.21	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
	9/25/2007	8.83	4.65	0	4.18	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/28/2007	8.83	3.99	0	4.84	0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/22/2008	8.83	4.08	0	4.75	-0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2008	8.83	4.10	0	4.73	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/19/2008	8.83	4.86	0	3.97	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/31/2008	8.83	4.17	0	4.66	0.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/27/2009	8.83	4.00	0	4.83	0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	5/28/2009	8.83	4.71	0	4.12	-0.71	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/17/2009	8.83	4.87	0	3.96	-0.16	--	--	--	--	--	--	--	--	Sampled Q2 and Q4 only
	12/17/2009	8.83	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-8															
	5/27/1997	8.52	3.42	0	5.10	--	310	--	0.88	0.67	15	70	ND	--	
	6/1/1997	8.52	3.46	0	5.06	-0.04	--	--	--	--	--	--	--	--	
	7/15/1997	8.52	3.49	0	5.03	-0.03	ND	--	ND	ND	2.7	3.8	ND	--	
	10/9/1997	8.52	3.73	0	4.79	-0.24	590	--	1.4	ND	32	4.1	ND	--	
	1/14/1998	8.52	1.92	0	6.60	1.81	ND	--	ND	ND	ND	ND	ND	--	
	4/1/1998	8.52	2.38	0	6.14	-0.46	ND	--	ND	ND	ND	ND	4.7	--	
	7/15/1998	8.52	3.53	0	4.99	-1.15	ND	--	ND	ND	0.56	1.1	ND	--	
	10/16/1998	8.52	3.04	0	5.48	0.49	ND	--	ND	ND	ND	ND	ND	--	
	1/25/1999	8.52	2.92	0	5.60	0.12	ND	--	ND	ND	ND	ND	ND	--	
	4/15/1999	8.52	2.40	0	6.12	0.52	ND	--	ND	ND	ND	ND	ND	--	
	7/14/1999	8.52	3.03	0	5.49	-0.63	ND	--	ND	ND	ND	ND	ND	--	
	10/21/1999	8.52	3.11	0	5.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
	1/20/2000	8.52	3.06	0	5.46	0.05	ND	--	ND	ND	ND	ND	ND	--	
	4/13/2000	8.52	2.84	0	5.68	0.22	ND	--	ND	ND	ND	ND	ND	--	
	7/14/2000	8.52	3.39	0	5.13	-0.55	ND	--	ND	ND	ND	ND	ND	--	
	7/17/2001	8.52	3.46	0	5.06	-0.07	ND	--	ND	ND	ND	ND	ND	--	
	10/1/2001	8.52	3.51	0	5.01	-0.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
	1/31/2002	8.52	2.75	0	5.77	0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	4/18/2002	8.52	2.98	0	5.54	-0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	7/28/2002	8.52	2.41	0	6.11	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	10/9/2002	8.52	2.09	0	6.43	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	1/2/2003	8.52	1.98	0	6.54	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	4/1/2003	8.52	2.66	0	5.86	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	7/1/2003	8.52	3.08	0	5.44	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	10/2/2003	8.52	3.89	0	4.63	-0.81	--	540	3.9	15	29	80	--	ND<2.0	
	1/9/2004	8.52	2.38	0	6.14	1.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	4/26/2004	8.52	2.89	0	5.63	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	7/22/2004	8.52	3.25	0	5.27	-0.36	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
	10/29/2004	8.52	3.06	0	5.46	0.19	--	ND<50	ND<0.50	ND<0.50	0.82	2.5	--	ND<0.50	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-8	1/10/2005	8.52	1.92	0	6.60	1.14	--	58	ND<0.50	0.61	1.2	4.0	--	ND<0.50	
	6/15/2005	8.52	2.22	0	6.30	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/27/2005	8.52	2.43	0	6.09	-0.21	--	ND<50	ND<0.50	ND<0.50	1.2	ND<1.0	--	ND<0.50	
	12/13/2005	8.52	2.89	0	5.63	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/23/2006	8.52	2.12	0	6.40	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2006	8.52	2.65	0	5.87	-0.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/26/2006	8.52	2.75	0	5.77	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/22/2006	8.52	2.58	0	5.94	0.17	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	3/30/2007	8.52	2.74	0	5.78	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	6/28/2007	8.52	2.90	0	5.62	-0.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	9/25/2007	8.52	3.26	0	5.26	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/28/2007	8.52	2.64	0	5.88	0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/22/2008	8.52	2.31	0	6.21	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2008	8.52	3.13	0	5.39	-0.82	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/19/2008	8.52	3.72	0	4.80	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/31/2008	8.52	2.98	0	5.54	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/27/2009	8.52	2.49	0	6.03	0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	5/28/2009	8.52	3.12	0	5.40	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/17/2009	8.52	3.63	0	4.89	-0.51	--	--	--	--	--	--	--	--	Sampled Q2 and Q4 only
	12/17/2009	8.52	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-9															
	2/21/1995	8.29	1.98	0	6.31	--	70	--	ND	ND	ND	ND	--	--	
	5/18/1995	8.29	3.47	0	4.82	-1.49	52	--	ND	1.1	ND	1.9	--	--	
	8/17/1995	8.29	1.49	0	6.80	1.98	ND	--	ND	ND	ND	ND	--	--	
	7/26/1996	8.29	0.28	0	8.01	1.21	ND	--	ND	ND	ND	ND	ND	--	
	10/28/1996	8.29	1.15	0	7.14	-0.87	ND	--	ND	ND	ND	ND	7.6	--	
	1/29/1997	8.29	1.05	0	7.24	0.10	ND	--	ND	ND	ND	ND	5.4	--	
	4/15/1997	8.29	1.88	0	6.41	-0.83	ND	--	ND	ND	ND	ND	5.4	--	
	5/27/1997	8.29	1.05	0	7.24	0.83	--	--	--	--	--	--	--	--	
	7/15/1997	8.29	1.90	0	6.39	-0.85	ND	--	ND	ND	ND	ND	ND	--	
	10/9/1997	8.29	1.76	0	6.53	0.14	ND	--	ND	ND	ND	ND	ND	--	
	1/14/1998	8.29	1.26	0	7.03	0.50	ND	--	ND	ND	ND	ND	3.0	--	
	4/1/1998	8.29	0.85	0	7.44	0.41	ND	--	ND	ND	ND	ND	ND	--	
	7/15/1998	8.29	1.52	0	6.77	-0.67	ND	--	ND	ND	ND	ND	ND	--	
	10/16/1998	8.29	0.81	0	7.48	0.71	ND	--	ND	ND	ND	ND	ND	--	
	1/25/1999	8.29	0.92	0	7.37	-0.11	ND	--	ND	ND	ND	ND	ND	--	
	4/15/1999	8.29	0.90	0	7.39	0.02	75	--	21	ND	ND	1.1	680	--	
	7/14/1999	8.29	1.04	0	7.25	-0.14	ND	--	1.9	ND	ND	ND	260	--	
	10/21/1999	8.29	1.23	0	7.06	-0.19	ND	--	ND	ND	ND	ND	170	--	
	1/20/2000	8.29	1.18	0	7.11	0.05	ND	--	1.1	ND	ND	ND	35	--	
	4/13/2000	8.29	1.08	0	7.21	0.10	160	--	0.64	ND	ND	ND	53	--	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-9	7/14/2000	8.29	1.43	0	6.86	-0.35	ND	--	ND	ND	ND	ND	20.2	--	
	10/26/2000	8.29	1.38	0	6.91	0.05	240	--	2.9	ND	ND	ND	56	--	
	1/3/2001	8.29	1.66	0	6.63	-0.28	166	--	0.763	0.776	ND	1.28	50.2	--	
	4/4/2001	8.29	1.27	0	7.02	0.39	296	--	0.738	ND	ND	0.907	135	--	
	7/17/2001	8.29	1.38	0	6.91	-0.11	ND	--	ND	ND	ND	ND	13	--	
	10/1/2001	8.29	1.93	0	6.36	-0.55	51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.0	--	
	1/31/2002	8.29	2.08	0	6.21	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	--	
	4/18/2002	8.29	1.76	0	6.53	0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	--	
	7/28/2002	8.29	1.57	0	6.72	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.5	
	10/9/2002	8.29	1.45	0	6.84	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
	1/2/2003	8.29	1.18	0	7.11	0.27	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.6	
	4/1/2003	8.29	2.04	0	6.25	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
	7/1/2003	8.29	2.80	0	5.49	-0.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.2	
	10/2/2003	8.29	2.70	0	5.59	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	1/9/2004	8.29	1.90	0	6.39	0.80	--	74	ND<0.50	0.98	2.3	6.2	--	ND<2.0	
	4/26/2004	8.29	1.62	0	6.67	0.28	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.51	
	7/22/2004	8.29	1.88	0	6.41	-0.26	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	0.78	
	10/29/2004	8.29	1.28	0	7.01	0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.0	--	ND<0.50	
	1/10/2005	8.29	0.07	0	8.22	1.21	--	93	0.60	2.3	2.4	9.0	--	ND<0.50	
	6/15/2005	8.29	1.70	0	6.59	-1.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.6	
	9/27/2005	8.29	1.98	0	6.31	-0.28	--	ND<50	ND<0.50	0.73	ND<0.50	ND<1.0	--	2.3	
	12/13/2005	8.29	2.26	0	6.03	-0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.9	
	3/23/2006	8.29	1.32	0	6.97	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
	6/23/2006	8.29	1.98	0	6.31	-0.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.9	
	9/26/2006	8.29	2.52	0	5.77	-0.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/22/2006	8.29	1.98	0	6.31	0.54	--	ND<50	ND<0.50	0.57	1.8	4.6	--	1.6	
	3/30/2007	8.29	2.01	0	6.28	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	
	6/28/2007	8.29	1.90	0	6.39	0.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4.9	
	9/25/2007	8.29	1.57	0	6.72	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/28/2007	8.29	1.98	0	6.31	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/22/2008	8.29	0.80	0	7.49	1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.61	
	6/23/2008	8.29	1.80	0	6.49	-1.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/19/2008	8.29	2.43	0	5.86	-0.63	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.9	
	12/31/2008	8.29	2.66	0	5.63	-0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/27/2009	8.29	2.01	0	6.28	0.65	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	5/28/2009	8.29	2.20	0	6.09	-0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/17/2009	8.29	1.83	0	6.46	0.37	--	--	--	--	--	--	--	--	Sampled Q2 and Q4 only
	12/17/2009	8.29	1.52	0	6.77	0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	
MW-10															
	2/21/1995	8.62	4.69	0	3.93	--	1500	--	250	26	9.1	160	--	--	
	5/18/1995	8.62	4.92	0	3.70	-0.23	810	--	520	ND	18	23	--	--	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-10	8/17/1995	8.62	4.05	0	4.57	0.87	67	--	25	ND	2.4	ND	--	--	
	7/26/1996	8.62	4.08	0	4.54	-0.03	ND	--	3.7	ND	ND	ND	ND	--	
	10/28/1996	8.62	4.09	0	4.53	-0.01	ND	--	1.1	ND	ND	ND	ND	--	
	1/29/1997	8.62	2.94	0	5.68	1.15	210	--	41	0.67	7.2	4.8	11	--	
	4/15/1997	8.62	4.07	0	4.55	-1.13	110	--	12	ND	0.77	ND	9.7	--	
	5/27/1997	8.62	4.40	0	4.22	-0.33	--	--	--	--	--	--	--	--	
	7/15/1997	8.62	4.19	0	4.43	0.21	ND	--	2.1	ND	0.67	0.73	ND	--	
	10/9/1997	8.62	4.75	0	3.87	-0.56	190	--	38	0.92	6.6	7.6	ND	--	
	1/14/1998	8.62	2.66	0	5.96	2.09	59	--	9.5	0.85	1.2	1.7	4.5	--	
	4/1/1998	8.62	3.45	0	5.17	-0.79	230	--	66	1.7	12	17	6.4	--	
	7/15/1998	8.62	4.21	0	4.41	-0.76	290	--	98	45	21	38	21	--	
	10/16/1998	8.62	4.11	0	4.51	0.10	160	--	44	0.96	2.5	10	17	--	
	1/25/1999	8.62	3.26	0	5.36	0.85	140	--	27	ND	2.8	6.8	23	--	
	4/15/1999	8.62	3.63	0	4.99	-0.37	120	--	18	ND	1.8	5.1	14	--	
	7/14/1999	8.62	3.89	0	4.73	-0.26	280	--	55	3.2	11	31	6.1	--	
	10/21/1999	8.62	4.09	0	4.53	-0.20	140	--	22	0.59	1.7	7.7	5.3	--	
	1/20/2000	8.62	3.92	0	4.70	0.17	ND	--	0.73	0.86	ND	ND	5.2	--	
	4/13/2000	8.62	3.85	0	4.77	0.07	67	--	54	ND	2.6	ND	3.8	--	
	7/14/2000	8.62	4.18	0	4.44	-0.33	ND	--	0.547	ND	ND	ND	ND	--	
	10/26/2000	8.62	3.96	0	4.66	0.22	ND	--	3.3	ND	0.83	1.5	ND	--	
	1/3/2001	8.62	4.14	0	4.48	-0.18	52.7	--	5.15	ND	0.823	1.57	ND	--	
	4/4/2001	8.62	3.88	0	4.74	0.26	129	--	28.1	1.67	4.97	10.1	ND	--	
	7/17/2001	8.62	4.08	0	4.54	-0.20	ND	--	4.1	ND	1.0	1.8	ND	--	
	10/1/2001	8.62	4.22	0	4.40	-0.14	140	--	30	0.51	4.0	12	ND<5.0	--	
	1/31/2002	8.62	3.68	0	4.94	0.54	110	--	16	ND<0.50	2.3	5.6	ND<2.5	--	
	4/18/2002	8.62	4.01	0	4.61	-0.33	ND<50	--	11	ND<0.50	1.4	4.5	ND<2.5	--	
	7/28/2002	8.62	4.11	0	4.51	-0.10	--	67	15	ND<0.50	0.94	7.3	--	ND<2.0	
	10/9/2002	8.62	3.97	0	4.65	0.14	--	ND<50	0.67	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	1/2/2003	8.62	3.03	0	5.59	0.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	4/1/2003	8.62	3.83	0	4.79	-0.80	--	ND<50	11	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	7/1/2003	8.62	4.13	0	4.49	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	10/2/2003	8.62	4.05	0	4.57	0.08	--	77	9.9	0.78	2.3	4.9	--	ND<2.0	
	1/9/2004	8.62	3.40	0	5.22	0.65	--	53	1.2	ND<0.50	0.70	1.6	--	ND<2.0	
	4/26/2004	8.62	3.89	0	4.73	-0.49	--	ND<50	2.8	1.3	1.0	2.9	--	ND<0.50	
	7/22/2004	8.62	3.73	0	4.89	0.16	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
	10/29/2004	8.62	3.41	0	5.21	0.32	--	100	2.0	1.2	1.1	3.6	--	ND<0.50	
	1/10/2005	8.62	2.68	0	5.94	0.73	--	84	7.8	2.7	2.2	8.9	--	ND<0.50	
	6/15/2005	8.62	4.63	0	3.99	-1.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/27/2005	8.62	3.96	0	4.66	0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/13/2005	8.62	3.75	0	4.87	0.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/23/2006	8.62	3.13	0	5.49	0.62	--	50	13	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
HISTORIC GROUNDWATER MONITORING ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg 8015 (Luft) (µg/L)	TPHg (GC/MS) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (8021B) (µg/L)	MTBE (8260B) (µg/L)	Comments
MW-10	6/23/2006	8.62	3.90	0	4.72	-0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/26/2006	8.62	3.66	0	4.96	0.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/22/2006	8.62	3.56	0	5.06	0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.8	--	ND<0.50	
	3/30/2007	8.62	3.93	0	4.69	-0.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	6/28/2007	8.62	4.03	0	4.59	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	9/25/2007	8.62	3.91	0	4.71	0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/28/2007	8.62	3.64	0	4.98	0.27	--	ND<50	2.1	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/22/2008	8.62	4.00	0	4.62	-0.36	--	64	13	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2008	8.62	3.90	0	4.72	0.10	--	94	30	0.53	3.4	3.5	--	ND<0.50	
	9/19/2008	8.62	3.85	0	4.77	0.05	--	130	15	1.7	5.7	11	--	ND<0.50	
	12/31/2008	8.62	3.69	0	4.93	0.16	--	82	11	ND<0.50	0.81	1.7	--	ND<0.50	
	3/27/2009	8.62	3.75	0	4.87	-0.06	--	210	28	1.4	1.2	3.9	--	ND<0.50	
	5/28/2009	8.62	3.66	0	4.96	0.09	--	ND<50	0.91	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/17/2009	8.62	3.85	0	4.77	-0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/17/2009	8.62	3.00	0	5.62	0.85	**--**	ND<50	**1.2**	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	

Notes:

TPHg = Total petroleum hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MTBE = Methyl tert-butyl ether
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
P/NP = Purged/Not Purged
D.O. = Dissolved Oxygen

DTW = Depth to Water
GWE = Calculated groundwater elevation = TOC - Depth to Water + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH
SPH = Separate phase hydrocarbons
TOC = Top of casing (surveyed)
ft-MSL = feet above mean sea level
µg/L = Micrograms per liter
mg/L = milligrams per liter
< = Analyte was below the laboratory's indicated reporting limit
- = Not measured or analyzed
DUP = Duplicate sample
INA = Well inaccessible
NS = Well not sampled
VOL = Well not sampled due to insufficient volume of water in well

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-1	2/18/1992	13000	--	--	--	--	--	--	--	--	--	--	--	
	8/31/1992	8900	--	--	--	--	--	--	--	--	--	--	--	
MW-2	2/18/1992	4300	--	--	--	--	--	--	--	--	--	--	--	
	5/20/1992	4300	--	--	--	--	--	--	--	--	--	--	--	
	8/31/1992	1600	--	--	--	--	--	--	--	--	--	--	--	
	11/30/1992	5700	--	--	--	--	--	--	--	--	--	--	--	
	2/4/1993	6100	--	--	--	--	--	--	--	--	--	--	--	
	5/4/1993	7100	--	--	--	--	--	--	--	--	--	--	--	
	8/4/1993	1800	--	--	--	--	--	--	--	--	--	--	--	
	11/3/1993	2600	--	--	--	--	--	--	--	--	--	--	--	
	5/19/1994	3000	--	--	--	--	--	--	--	--	--	--	--	
	8/15/1994	2800	--	--	--	--	--	--	--	--	--	--	--	
	11/14/1994	10000	--	--	--	--	--	--	--	--	--	--	--	
	2/21/1995	2000	--	--	--	--	--	--	--	--	--	--	--	
MW-3	2/18/1992	ND	--	--	--	--	--	--	--	--	--	--	--	
	8/31/1992	92	--	--	--	--	--	--	--	--	--	--	--	
	11/30/1992	94	--	--	--	--	--	--	--	--	--	--	--	
	2/4/1993	550	--	--	--	--	--	--	--	--	--	--	--	
	5/4/1993	250	--	--	--	--	--	--	--	--	--	--	--	
	8/4/1993	100	--	--	--	--	--	--	--	--	--	--	--	
	11/3/1993	160	--	--	--	--	--	--	--	--	--	--	--	
	2/7/1994	620	--	--	--	--	--	--	--	--	--	--	--	
	5/19/1994	480	--	--	--	--	--	--	--	--	--	--	--	
	8/15/1994	110	--	--	--	--	--	--	--	--	--	--	--	
	11/14/1994	150	--	--	--	--	--	--	--	--	--	--	--	
	2/21/1995	850	--	--	--	--	--	--	--	--	--	--	--	
	5/18/1995	150	--	--	--	--	--	--	--	--	--	--	--	
	6/1/1997	610	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1997	240	--	--	--	--	--	--	--	--	--	--	--	
	10/9/1997	500	--	--	--	--	--	--	--	--	--	--	--	
	1/14/1998	340	--	--	--	--	--	--	--	--	--	--	--	
	4/1/1998	320	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1998	510	--	--	--	--	--	--	--	--	--	--	--	
	10/16/1998	67	--	--	--	--	--	--	--	--	--	--	--	
	1/25/1999	120	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1999	170	--	--	--	--	--	--	--	--	--	--	--	
	7/14/1999	420	--	--	--	--	--	--	--	--	--	--	--	
	10/21/1999	350	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-3	1/20/2000	2060	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	200	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	
	7/14/2000	423	--	--	--	--	--	--	--	--	--	--	--	
	10/26/2000	330	--	--	--	--	--	--	--	--	--	--	--	
	1/3/2001	287	--	--	--	--	--	--	--	--	--	--	--	
	4/4/2001	360	--	--	--	--	--	--	--	--	--	--	--	
	7/17/2001	270	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	270	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	250	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	320	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	310	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	700	--	--	--	--	--	--	--	--	--	--	--	
	1/2/2003	210	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	
	4/1/2003	200	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	380	--	ND<2500	--	--	--	--	--	--	--	--	--	
	10/2/2003	300	--	ND<2500	--	--	--	--	--	--	--	--	--	
	1/9/2004	200	--	ND<500	--	--	--	--	--	--	--	--	--	
	4/26/2004	160	--	ND<50	--	--	--	--	--	--	--	--	--	
	7/22/2004	330	--	ND<1000	--	--	--	--	--	--	--	--	--	
	10/29/2004	200	--	ND<50	--	--	--	--	--	--	--	--	--	
	1/10/2005	250	--	ND<50	--	--	--	--	--	--	--	--	--	
	6/15/2005	360	--	ND<50	--	--	--	--	--	--	--	--	--	
	9/27/2005	ND<200	79	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	230	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/23/2006	260	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2006	330	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/26/2006	260	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/22/2006	250	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/30/2007	210	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/28/2007	290	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/25/2007	210	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/28/2007	150	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/22/2008	230	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2008	130	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/19/2008	93	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/31/2008	110	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/27/2009	130	--	ND<250	--	--	--	--	--	--	--	--	--	
	5/28/2009	120	--	ND<250	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-3	12/17/2009	338	--	ND<250	--	--	--	--	--	--	ND<50	ND<0.50	12,300	
MW-4	8/31/1992	90	--	--	--	--	--	--	--	--	--	--	--	
	11/30/1992	61	--	--	--	--	--	--	--	--	--	--	--	
	2/4/1993	ND	--	--	--	--	--	--	--	--	--	--	--	
	5/4/1993	ND	--	--	--	--	--	--	--	--	--	--	--	
	8/4/1993	81	--	--	--	--	--	--	--	--	--	--	--	
	11/3/1993	68	--	--	--	--	--	--	--	--	--	--	--	
	2/7/1994	ND	--	--	--	--	--	--	--	--	--	--	--	
	5/19/1994	90	--	--	--	--	--	--	--	--	--	--	--	
	8/15/1994	72	--	--	--	--	--	--	--	--	--	--	--	
	11/14/1994	ND	--	--	--	--	--	--	--	--	--	--	--	
MW-5	8/31/1992	690	--	--	--	--	--	--	--	--	--	--	--	
	11/30/1992	470	--	--	--	--	--	--	--	ND	--	--	--	
	2/4/1993	5500	--	--	--	--	--	--	--	ND	--	--	--	
	5/4/1993	4600	--	--	--	--	--	--	--	ND	--	--	--	
	8/4/1993	970	--	--	--	--	--	--	--	ND	--	--	--	
	11/3/1993	2100	--	--	--	--	--	--	--	--	--	--	--	
	2/7/1994	830	--	--	--	--	--	--	--	--	--	--	--	
	5/19/1994	600	--	--	--	--	--	--	--	--	--	--	--	
	8/15/1994	860	--	--	--	--	--	--	--	--	--	--	--	
	11/14/1994	290	--	--	--	--	--	--	--	--	--	--	--	
MW-6	8/31/1992	750	--	--	--	--	--	--	--	--	--	--	--	
	11/30/1992	1400	--	--	--	--	--	--	--	--	--	--	--	
	2/4/1993	890	--	--	--	--	--	--	--	--	--	--	--	
	5/4/1993	1800	--	--	--	--	--	--	--	--	--	--	--	
	8/4/1993	1100	--	--	--	--	--	--	--	--	--	--	--	
	11/3/1993	390	--	--	--	--	--	--	--	--	--	--	--	
	2/7/1994	970	--	--	--	--	--	--	--	--	--	--	--	
	5/19/1994	1400	--	--	--	--	--	--	--	--	--	--	--	
	8/15/1994	790	--	--	--	--	--	--	--	--	--	--	--	
	11/14/1994	800	--	--	--	--	--	--	--	--	--	--	--	
	2/21/1995	730	--	--	--	--	--	--	--	--	--	--	--	
	1/20/2000	67600	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	8700	--	--	--	--	--	--	--	--	--	--	--	
	7/14/2000	133000	--	--	--	--	--	--	--	--	--	--	--	
	10/26/2000	61000	--	--	--	--	--	--	--	--	--	--	--	
	1/3/2001	929	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-6	4/4/2001	18000	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	
	7/17/2001	20000	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	24000	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	11000	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	3500	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	27000	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	170000	--	--	--	--	--	--	--	--	--	--	--	
	1/2/2003	66000	--	--	--	--	--	--	--	--	--	--	--	
	4/1/2003	35000	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	11000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	10/2/2003	ND<50	--	ND<200000	--	--	--	--	--	--	--	--	--	
	1/9/2004	20000	--	ND<50000	--	--	--	--	--	--	--	--	--	
	4/26/2004	13000	--	ND<5000	--	--	--	--	--	--	--	--	--	
	7/22/2004	33000	--	ND<300000	--	--	--	--	--	--	--	--	--	
	10/29/2004	78000	--	ND<5000	--	--	--	--	--	--	--	--	--	
	1/10/2005	12000	--	ND<5000	--	--	--	--	--	--	--	--	--	
	6/15/2005	16000	--	ND<5000	--	--	--	--	--	--	--	--	--	
	9/27/2005	2500	ND<10	ND<250	--	--	1.8	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	18000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	3/23/2006	73000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	6/23/2006	35000	--	ND<6200	--	--	--	--	--	--	--	--	--	
	9/26/2006	22000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	12/22/2006	62000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	3/30/2007	62000	--	ND<5000	--	--	--	--	--	--	--	--	--	
	6/28/2007	71000	--	ND<12000	--	--	--	--	--	--	--	--	--	
	9/25/2007	58000	--	ND<12000	--	--	--	--	--	--	--	--	--	
	12/28/2007	18000	--	ND<12000	--	--	--	--	--	--	--	--	--	
	3/22/2008	68000	--	ND<12000	--	--	--	--	--	--	--	--	--	
	6/23/2008	68000	--	ND<12000	--	--	--	--	--	--	--	--	--	
	9/19/2008	180000	--	ND<6200	--	--	--	--	--	--	--	--	--	
	12/31/2008	68000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	3/27/2009	170000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	5/28/2009	78000	--	ND<25000	--	--	--	--	--	--	--	--	--	
	9/17/2009	250000	--	ND<6200	--	--	--	--	--	--	ND<0.44	ND<1.0	1,500	
	12/17/2009	30300	--	ND<250	--	--	--	--	--	--	ND<50	ND<0.50	2,460	
MW-7	6/1/1997	69	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/9/1997	190	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-7	1/14/1998	65	--	--	--	--	--	--	--	--	--	--	--	
	4/1/1998	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1998	74	--	--	--	--	--	--	--	--	--	--	--	
	10/16/1998	ND	--	--	--	--	--	--	--	--	--	--	--	
	1/25/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/14/1999	69	--	--	--	--	--	--	--	--	--	--	--	
	10/21/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	1/20/2000	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/14/2000	68.0	--	--	--	--	--	--	--	--	--	--	--	
	7/17/2001	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	ND<51	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	90	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	78	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	ND<50	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	ND<96	--	--	--	--	--	--	--	--	--	--	--	
	1/3/2003	78	--	--	--	--	--	--	--	--	--	--	--	
	4/1/2003	67	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	68	--	ND<500	--	--	--	--	--	--	--	--	--	
	10/2/2003	82	--	ND<500	--	--	--	--	--	--	--	--	--	
	1/9/2004	75	--	ND<500	--	--	--	--	--	--	--	--	--	
	4/26/2004	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	7/22/2004	ND<200	--	ND<1000	--	--	--	--	--	--	--	--	--	
	10/29/2004	54	--	ND<50	--	--	--	--	--	--	--	--	--	
	1/10/2005	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	6/15/2005	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	9/27/2005	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/26/2006	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/22/2006	630	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/30/2007	94	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/28/2007	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/25/2007	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/28/2007	75	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/22/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-7	6/23/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/19/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/31/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/27/2009	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	5/28/2009	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/17/2009	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-8	6/1/1997	320	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/9/1997	390	--	--	--	--	--	--	--	--	--	--	--	
	1/14/1998	230	--	--	--	--	--	--	--	--	--	--	--	
	4/1/1998	510	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1998	140	--	--	--	--	--	--	--	--	--	--	--	
	10/16/1998	170	--	--	--	--	--	--	--	--	--	--	--	
	1/25/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1999	91	--	--	--	--	--	--	--	--	--	--	--	
	7/14/1999	120	--	--	--	--	--	--	--	--	--	--	--	
	10/21/1999	110	--	--	--	--	--	--	--	--	--	--	--	
	1/20/2000	583	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	80	--	--	--	--	--	--	--	--	--	--	--	
	7/14/2000	113	--	--	--	--	--	--	--	--	--	--	--	
	7/17/2001	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	ND<50	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	260	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	160	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	140	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	120	--	--	--	--	--	--	--	--	--	--	--	
	1/2/2003	210	--	--	--	--	--	--	--	--	--	--	--	
	4/1/2003	220	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	170	--	ND<500	--	--	--	--	--	--	--	--	--	
	10/2/2003	350	--	ND<500	--	--	--	--	--	--	--	--	--	
	1/9/2004	180	--	ND<500	--	--	--	--	--	--	--	--	--	
	4/26/2004	100	--	ND<50	--	--	--	--	--	--	--	--	--	
	7/22/2004	250	--	ND<1000	--	--	--	--	--	--	--	--	--	
	10/29/2004	120	--	ND<50	--	--	--	--	--	--	--	--	--	
	1/10/2005	140	--	ND<50	--	--	--	--	--	--	--	--	--	
	6/15/2005	140	--	ND<50	--	--	--	--	--	--	--	--	--	
	9/27/2005	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-8	3/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2006	ND<230	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/26/2006	110	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/22/2006	100	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/30/2007	120	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/28/2007	140	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/25/2007	110	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/28/2007	110	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/22/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2008	ND<58	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/19/2008	79	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/31/2008	110	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/27/2009	89	--	ND<250	--	--	--	--	--	--	--	--	--	
	5/28/2009	91	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/17/2009	--	--	--	--	--	--	--	--	--	--	--	--	No access agreement
MW-9	2/21/1995	71	--	--	--	--	--	--	--	--	--	--	--	
	5/18/1995	ND	--	--	--	--	--	--	--	--	--	--	--	
	8/17/1995	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/26/1996	98	--	--	--	--	--	--	--	--	--	--	--	
	10/28/1996	99	--	--	--	--	--	--	--	--	--	--	--	
	1/29/1997	54	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1997	94	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/9/1997	160	--	--	--	--	--	--	--	--	--	--	--	
	1/14/1998	110	--	--	--	--	--	--	--	--	--	--	--	
	4/1/1998	110	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1998	200	--	--	--	--	--	--	--	--	--	--	--	
	10/16/1998	ND	--	--	--	--	--	--	--	--	--	--	--	
	1/25/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/14/1999	140	--	--	--	--	--	--	--	--	--	--	--	
	10/21/1999	210	--	--	--	--	--	--	--	--	--	--	--	
	1/20/2000	519	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	81	--	--	--	--	--	--	--	--	--	--	--	
	7/14/2000	107	--	--	--	--	--	--	--	--	--	--	--	
	10/26/2000	240	--	--	--	--	--	--	--	--	--	--	--	
	1/3/2001	164	--	--	--	--	--	--	--	--	--	--	--	
	4/4/2001	240	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-9	7/17/2001	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	ND<52	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	200	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	ND<50	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	ND<50	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	100	--	--	--	--	--	--	--	--	--	--	--	
	1/2/2003	ND<50	--	--	--	--	--	--	--	--	--	--	--	
	4/1/2003	56	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	ND<50	--	ND<500	--	--	--	--	--	--	--	--	--	
	10/2/2003	ND<50	--	ND<500	--	--	--	--	--	--	--	--	--	
	1/9/2004	91	--	ND<500	--	--	--	--	--	--	--	--	--	
	4/26/2004	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	7/22/2004	ND<200	--	ND<1000	--	--	--	--	--	--	--	--	--	
	10/29/2004	76	--	ND<50	--	--	--	--	--	--	--	--	--	
	1/10/2005	77	--	ND<50	--	--	--	--	--	--	--	--	--	
	6/15/2005	67	--	ND<50	--	--	--	--	--	--	--	--	--	
	9/27/2005	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/26/2006	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/22/2006	150	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/30/2007	72	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/28/2007	1000	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/25/2007	100	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/28/2007	56	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/22/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/19/2008	56	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/31/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/27/2009	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	5/28/2009	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/17/2009	105	--	ND<250	--	--	--	--	--	--	ND<50	11	2,270	
MW-10	2/21/1995	270	--	--	--	--	--	--	--	--	--	--	--	
	5/18/1995	75	--	--	--	--	--	--	--	--	--	--	--	
	8/17/1995	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/26/1996	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/28/1996	ND	--	--	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-10	1/29/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/9/1997	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/1/1998	62	--	--	--	--	--	--	--	--	--	--	--	
	7/15/1998	78	--	--	--	--	--	--	--	--	--	--	--	
	10/16/1998	ND	--	--	--	--	--	--	--	--	--	--	--	
	1/25/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	4/15/1999	ND	--	--	--	--	--	--	--	--	--	--	--	
	7/14/1999	180	--	--	--	--	--	--	--	--	--	--	--	
	10/21/1999	96	--	--	--	--	--	--	--	--	--	--	--	
	1/20/2000	252	--	--	--	--	--	--	--	--	--	--	--	
	4/13/2000	69	--	--	--	--	--	--	--	--	--	--	--	
	7/14/2000	149	--	--	--	--	--	--	--	--	--	--	--	
	10/26/2000	83	--	--	--	--	--	--	--	--	--	--	--	
	1/3/2001	126	--	--	--	--	--	--	--	--	--	--	--	
	4/4/2001	75	--	--	--	--	--	--	--	--	--	--	--	
	7/17/2001	ND	--	--	--	--	--	--	--	--	--	--	--	
	10/1/2001	100	--	--	--	--	--	--	--	--	--	--	--	
	1/31/2002	170	--	--	--	--	--	--	--	--	--	--	--	
	4/18/2002	130	--	--	--	--	--	--	--	--	--	--	--	
	7/28/2002	58	--	--	--	--	--	--	--	--	--	--	--	
	10/9/2002	ND<94	--	--	--	--	--	--	--	--	--	--	--	
	1/2/2003	64	--	--	--	--	--	--	--	--	--	--	--	
	4/1/2003	76	--	--	--	--	--	--	--	--	--	--	--	
	7/1/2003	87	--	ND<500	--	--	--	--	--	--	--	--	--	
	10/2/2003	160	--	ND<500	--	--	--	--	--	--	--	--	--	
	1/9/2004	74	--	ND<500	--	--	--	--	--	--	--	--	--	
	4/26/2004	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	7/22/2004	ND<200	--	ND<1000	--	--	--	--	--	--	--	--	--	
	10/29/2004	ND<50	--	ND<50	--	--	--	--	--	--	--	--	--	
	1/10/2005	94	--	ND<50	--	--	--	--	--	--	--	--	--	
	6/15/2005	62	--	ND<50	--	--	--	--	--	--	--	--	--	
	9/27/2005	ND<200	ND<10	ND<250	--	--	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	
	12/13/2005	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2006	ND<200	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/26/2006	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5191/5043

Well ID	Date Sampled	TPHd (µg/L)	TBA (µg/L)	Ethanol (8260B) (µg/L)	Ethylene-dibromide (EDB) (µg/L)	1,2-DCA (EDC) (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Total Oil and Grease (µg/L)	Nitrate (µg/L)	Sulfate (mg/L)	Total Iron (µg/L)	Comments
MW-10	12/22/2006	81	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/30/2007	82	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/28/2007	57	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/25/2007	82	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/28/2007	62	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/22/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	6/23/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/19/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	12/31/2008	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	3/27/2009	730	--	ND<250	--	--	--	--	--	--	--	--	--	
	5/28/2009	ND<50	--	ND<250	--	--	--	--	--	--	--	--	--	
	9/17/2009	65	--	ND<250	--	--	--	--	--	--	12	84	9,800	
	12/17/2009	110	--	ND<250	--	--	--	--	--	--	1,970	86	3,410	

Notes:

TPHd = Total petroleum hydrocarbons as diesel
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
1,2-DCA = 1,2 Dichloroethane
EDB = 1,2-Dibromoethane
P/NP = Purged/Not Purged

DTW = Depth to Water
GWE = Calculated groundwater elevation = TOC - Depth to Water + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH
SPH = Separate phase hydrocarbons
TOC = Top of casing (surveyed)
ft-MSL = feet above mean sea level
µg/L = Micrograms per liter
mg/L = milligrams per liter
< = Analyte was below the laboratory's indicated reporting limit
- = Not measured or analyzed
DUP = Duplicate sample
INA = Well inaccessible
NS = Well not sampled
VOL = Well not sampled due to insufficient volume of water in well

Table 2b
ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5043

Well ID	Date Sampled	Post-purge Dissolved Oxygen (mg/L)	Pre-purge Dissolved Oxygen (mg/L)	Pre-purge ORP (mV)	Post-purge ORP (mV)	Comments
MW-3						
	5/28/2006	0.89	1.55	30	-46	
	12/17/2009	0.29	0.18	-123	-129	
MW-6						
	5/28/2009	1.79	0.8	-22	-49	
	9/17/2009	1.04	0.76	-45	-69	
	12/17/2009	0.21	0.14	-91	-123	
MW-7						
	5/28/2009	--	2.15	2	--	
	12/17/2009	--	--	--	--	No access
MW-8						
	5/28/2009	1.39	1.46	-7	-15	
	12/17/2009	--	--	--	--	No access
MW-9						
	5/28/2009	2.8	2.54	32	-40	
	12/17/2009	0.25	0.19	-138	-112	
MW-10						
	5/28/2009	0.91	1.47	5	-8	
	9/17/2009	0.27	0.91	--	-13	
	12/17/2009	0.21	0.17	-28	-37	

TABLE 3
Groundwater Gradient and Flow Direction
76 Station No. 5191/5043
449 Hegenberger Road
Oakland, California

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
	04/22/92		0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	08/31/92	0.05	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	11/30/92	0.04	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	02/07/94		0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0
	11/14/94	0.03	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0
	02/21/95	0.08	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	05/18/95	0.07	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	07/26/96	0.02	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	10/28/96	0.02	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	01/29/97	0.01	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	04/15/97	0.01	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	07/15/97	0.10	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	10/09/97	0.10	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	01/14/98	0.02	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	04/01/98	0.05	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	07/15/98	0.04	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	09/30/98	0.05	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	01/25/99	0.05	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	04/15/99	0.04	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	10/21/99	0.03	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	07/14/99	0.04	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	04/13/00	0.050	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	07/14/00	0.033	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	10/26/00	0.060	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	01/03/01	0.070	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	07/17/01	0.040	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	10/01/01	0.030	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	01/31/02	0.010	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	07/28/02	0.020	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	10/09/02	0.016	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	01/02/03	0.010	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	04/01/03	0.008	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	07/29/09	0.010	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	10/02/03	0.010	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	01/09/04	0.010	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	04/26/04	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	07/22/04	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	10/29/04	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	01/10/05	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	06/15/05	0.020	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	09/27/05	0.010	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	12/13/05	0.005	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	03/23/06	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	06/23/06	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	09/26/06	0.010	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	12/22/06	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	03/30/07	0.010	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	09/25/07	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	12/28/07	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	06/28/07	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	03/22/08	0.020	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	06/23/08	0.010	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	09/19/08	0.006	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	12/31/08	0.005	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	03/27/09	0.006	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	05/28/09	0.008	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	09/17/09	0.010	0	0	0	0	0	0	**1**	0	0	0	**1**	0	0	0	0	0
	12/17/09	0.008	0	0	0	0	0	0	**0**	0	0	0	**1**	0	0	0	0	0
		0.046 Average	**0**	**0**	**0**	**0**	**0**	**0**	**21**	**0**	**13**	**0**	**20**	**2**	**3**	**0**	**0**	**0**

Explanation
NA = Not available
Number of Events = 58

Attachment A

Previous Investigations and
Site History Summary

Attachment A: Previous Investigations and Site History Summary
76 Station No. 5191/5043
449 Hegenberger Road
Oakland, CA

PREVIOUS INVESTIGATIONS AND SITE HISTORY SUMMARY

October 1991 - Four soil samples were collected from the product pipe trenches at depths of approximately 3 feet below ground surface (bgs) during a dispenser island modification. The product pipe trenches were subsequently excavated to the groundwater depth at 4 to 4.5 bgs.

February 1992 - Three monitoring wells, MW-1 through MW-3, were installed at the site to depths ranging from 13.5 to 15 feet bgs.

August 1992 - Three additional monitoring wells, MW-4 through MW-6, were installed at the site to a depth of 13.5 feet bgs.

September 1994 - One 280-gallon waste oil UST was removed from the site. The tank was made of steel, and no apparent holes or cracks were observed in the tank. One soil sample was collected from beneath the former tank at a depth of approximately 9 feet bgs. No petroleum hydrocarbons were reported.

January 1995 - Two additional monitoring wells, MW-7 and MW-8, were installed at the site to a depth of 13 feet bgs. In addition, two existing monitoring wells were destroyed in order to accommodate the construction of a car wash at the subject site. Monitoring wells MW-4 and MW-5 were fully drilled out and backfilled with neat cement.

March 1995 - Two 10,000-gallon gasoline USTs and one 10,000-gallon diesel UST were removed from the site. Groundwater was encountered in the tank cavity at a depth of approximately 8.5 feet bgs. Soil samples contained low levels of total petroleum hydrocarbons as diesel (TPHd) and benzene, and moderate levels of total petroleum hydrocarbons as gasoline (TPHg). Approximately 125,000 gallons of groundwater were pumped from the site for remediation and properly disposed off-site. Four dispenser islands and associated product piping were also removed. Based on the results of the confirmation samples, the product dispenser islands were over excavated to approximately 6 feet bgs.

March and April 1995 - During demolition activities of the former station building, soil samples were collected from two excavations, which were subsequently over excavated. Confirmation samples contained low levels of petroleum hydrocarbons. An additional area on the south side of the former station building was excavated based on photoionization detector (PID) readings. Two monitoring wells, MW-1 and MW-2, were destroyed in order to allow for over excavation activities to extend to an area adjacent to the dispenser islands in the southeastern quadrant of the site. The excavated areas were subsequently backfilled with clean-engineered fill.

April 1997 - Two additional monitoring wells, MW-9 and MW-10, were installed in the vicinity of the site to depths of 13 to 15 feet bgs. In addition, monitoring well MW-3, which was damaged during the UST cavity over excavation in 1995, was fully drilled out and reconstructed in the same borehole.

October 2003 - Site environmental consulting responsibilities were transferred to TRC.

Attachment A: Previous Investigations and Site History Summary
76 Station No. 5191/5043
449 Hegenberger Road
Oakland, CA

April 8 and 9, 2005 - TRC conducted a 24-hour dual phase extraction (DPE) event at the site using monitoring well MW-6. The 24-hour DPE event was moderately successful at removing vapor-phase petroleum hydrocarbons from the subsurface; therefore, TRC recommended DPE no longer be considered a viable remedial alternative for the site.

October 2007 - Site environmental consulting responsibilities were transferred to Delta Consultants.

SENSITIVE RECEPTORS

April 24, 2006 TRC completed a sensitive receptor survey for the site. According to the Department of Water Resources (DWR) records, three water supply wells are located within a one-half mile of the site. In addition, two surface water bodies were observed within a one-half mile radius of the site. San Leandro Creek is located approximately 1,400 feet southwest of the site and flows into San Leandro Bay. Elmhurst Creek is located approximately 2,220 feet north of the site and also flows into San Leandro Bay.

Current Consultant: **Delta**

Attachment B

Blaine Tech's Procedures for Groundwater Monitoring and Sampling, and Equipment Decontamination

BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for DELTA comply with safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40 hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any DELTA COP/ELT site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic sounders which are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of Immiscibles or sheen and when free product is suspected, it is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing free product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.
Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well. Small volumes of purgewater are often removed by hand bailing with a disposable bailer.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less

than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewaters and does not recharge.

Wells known to dewater are evacuated as early as possible during each site visit in order to allow for the greatest amount of recovering. Any well that does not recharge to 80% of its original volume will be sampled prior to the departure of our personnel from the site in order to eliminate the need of a return visit.

In jurisdictions where a certain percentage of recovery is included in the local completion standard, our personnel follow the regulatory expectation.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non hazardous purgewater is transported under standard Bill of Lading or Non-Hazardous manifest to a Blaine Tech Services, Inc. facility before being transported to an approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory which will analyze the samples. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Upon request, a Trip Blank is carried to each site and is kept inside the cooler for the duration of the sampling event. It is turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Upon request, one Duplicate sample is collected at each site. It is up to the Field Technician to choose the well at which the Duplicate is collected. Typically, a duplicate is collected from one of the most contaminated wells. The Duplicate sample is labeled DUP thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the analytical laboratory that will perform the intended analytical procedures. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

Each and every sample container has a label affixed to it. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time at which the sample was collected and the initials of the person collecting the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer which is then operated with high quality deionized water which is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps

and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, sounder etc.) that cannot be washed using the hot high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

EXAMPLE: The sounder is cleaned between wells using the non-phosphate soap and deionized water solution followed by deionized water rinses. The sounder is then washed with the steam cleaner between sites or as necessitated by use in a particularly contaminated well.

DISSOLVED OXYGEN READINGS

All Dissolved Oxygen readings are taken using YSI meters (e.g. YSI Model 550 meter). These meters are equipped with membrane probe that enables them to collect accurate in-situ readings.

The probe and reel is decontaminated between wells as described above. The meter is calibrated as per the instructions in the operating manual. The probe is lowered into the water column allowed to stabilize before use.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual. In use the probe is placed in a cup of freshly obtained monitoring well water and allowed to stabilize.

Attachment C

Groundwater Monitoring and Sampling Field Data Sheets

COP-ELT Well-Head Inspection & Well Gauging Form

Project No: 2705191 **Site Address:** 449 HEGENBERGER

Field Technician: J. PARKER **Date:** 12/17/09 **Weather:** SUNNY

Well Condition									Gauging Information					
Sample Order	Field Point	Bolts	Seal	Lid Secure	Lock	Expanding Cap	Water in Well Box	Well Casing Dia.	Time	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Comments
2	MW-3	G	P	P	G	G	Y	2	1150	2.13	13.87	—	—	LOCK REPLACED
4	MW-6	G	P	G	G	G	Y	2	1201	3.14	12.61	—	—	LOCK REPLACED / CAP REPLACED
1	MW-9	G	G	G	G	G	Y	2	1155	1.52	12.56	—	—	LOCK REPLACED
3	MW-10	P	P	P	G	G	N	2	1206	3.00	12.61	—	—	LOCK REPLACED
	MW-7	—	—	—	—	—	—	—	—	—	—	—	—	NO access agreement
	MW-8	—	—	—	—	—	—	—	—	—	—	—	—	NO access agreement

Notes: MW-3: 1/2 TABS STRIPPED, MW-10: 2/3 TABS BROKEN.

DELTA

Note: Use G=good and P=poor for well condition

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER.		
Project No:	210191	Field Technician:	J.PARKER
Field Point:	MW-3	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	2.13	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	13.87	Water Column Height (ft):	11.74

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

X Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

X Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 11.74 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.0

Casing Volume (gal): 2.0 X Specified Volumes: 3 = Calculated Purge (gal): 6.0

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** 1318 **Stop Time:** 1327

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				-123		0.18		
1320	19.2	7.13	2129	—	48	—	2.0	
1324	20.2	7.10	2330	—	98	—	4.0	
1327	20.7	7.14	2346	—	28	—	6.0	
Post-Purge				-129		0.21		

Did Well dewater? Yes (No) Total Purge volume (gal): 6.0

Other Comments: 80% @ 4.48 DTW: 10.50

* 12/18/09 @ 0805 TPH d away

Sample Info:

Sample ID:	MW-3_20091231	Sample Date and Time:	12/17/09 @ 1535
Selected Analysis:	SEE COC		

Signature: _____ Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER.		
Project No:	ZTD5191	Field Technician:	J.PARKER
Field Point:	MW-6	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	3.14	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	12.61	Water Column Height (ft):	9.47

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

X Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

X Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 9.47 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 1.6

Casing Volume (gal): 1.6 X Specified Volumes: 3 = Calculated Purge (gal): 4.8

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** 1423 **Stop Time:** 1432

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				-91		0.14		
1426	17.9	7.20	2875	—	173	—	1.6	
1429	18.5	7.24	2973	—	164	—	3.2	
1432	18.9	7.25	3014	—	144	—	4.8	
Post-Purge				-123		0.21		

Did Well dewater? Yes (No) Total Purge volume (gal): 4.8

Other Comments: 80% @ 5.03; DTW: 5.77

* 12/18/09 @ TPHd only

Sample Info:

Sample ID:	MW-6_20091231	Sample Date and Time:	12/17/09 @ 1632
Selected Analysis:	SEE COC		

Signature: _____ Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER		
Project No:	2705191	Field Technician:	Jeff PARICER
Field Point:	MW-7	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	—	Well Diameter (in):	2 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	—	Water Column Height (ft):	—

Purging Info and Calculations:

Purge Method:

Low-Flow
3 casing volumes
Other:_____

Purge Equipment:

~~Disposable Bailer~~
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

Disposable Bailer
Extraction Port
Dedicated Tubing
~~Disposable Tubing~~
Other:_____

Water Column Height (ft):_____ X Conversion Factor (gal/ft):_____ = Casing Volume (gal):_____

Casing Volume (gal):_____ X Specified Volumes:_____ = Calculated Purge (gal): _____

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
NO GAUGE OR SAMPLE - NO ACCESS AGREEMENT								
Post-Purge								

Did Well dewater? Yes No Total Purge volume (gal):

Other Comments:

Sample Info:

Sample ID:		Sample Date and Time:	
Selected Analysis:			

Signature: _____ Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER		
Project No:	270591	Field Technician:	Jeff Parker
Field Point:	MW-8	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	—	Well Diameter (in):	2 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	—	Water Column Height (ft):	—

Purging Info and Calculations:

Purge Method:

Low-Flow
3 casing volumes
Other:_____

Purge Equipment:

Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft):_____ X Conversion Factor (gal/ft):_____ = Casing Volume (gal):_____

Casing Volume (gal):_____ X Specified Volumes:_____ = Calculated Purge (gal): _____

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:**_____ **Stop Time:**_____

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge								
NO GAUGE OR SAMPLE - NO ACCESS AGREEMENT								
Post-Purge								

Did Well dewater? Yes No Total Purge volume (gal):

Other Comments:

Sample Info:

Sample ID:		Sample Date and Time:	
Selected Analysis:			

Signature: _____ Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER.		
Project No:	210519	Field Technician:	J. PARKER
Field Point:	MW-9	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	1.52	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	12.56	Water Column Height (ft):	11.04

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

X Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:_____

Sample Collection Method:

X Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 11.04 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 1.9

Casing Volume (gal): 1.9 X Specified Volumes: 3 = Calculated Purge (gal): 5.7

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** 1300 **Stop Time:** 1309

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				-138		0.19		
1303	18.5	7.12	1111	—	68	—	1.9	
1306	19.4	7.06	1514	—	66	—	3.8	
1309	20.1	7.03	1610	—	67	—	5.7	
Post-Purge				-112		0.25		

Did Well dewater? Yes (No) Total Purge volume (gal): 5.7

Other Comments: 807. @ 3.73; DTW: 2.68

* 12/16/09 @0755 TpHd only

Sample Info:

Sample ID:	MW-9_20091231	Sample Date and Time:	12/17/09 @1445
Selected Analysis:	See COC		

Signature: _____ Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

COP-ELT Groundwater Sampling Form

Site Address:	449 HEGENBERGER.		
Project No:	Z7D5191	Field Technician:	J. PARKER
Field Point:	MW-10	Date:	12/17/09
Depth to Water (DTW) (ft bgs):	3.00	Well Diameter (in):	(2) 4 6 8 __
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	12.61	Water Column Height (ft):	9.61

Purging Info and Calculations:

Purge Method:
Low-Flow
✓ 3 casing volumes
Other:__________

Purge Equipment:
X Disposable Bailer
Electric Submersible
Peristaltic Pump
Bladder Pump
Other:__________

Sample Collection Method:
X Disposable Bailer
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:__________

Water Column Height (ft): 9.61 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 1.6

Casing Volume (gal): 1.6 X Specified Volumes: 3 = Calculated Purge (gal): 4.8

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius^2 * 0.163

Purge: **Start Time:** 1341 **Stop Time:** 1353

Time	Temp (°C)	pH	Conductivity (µS/cm)	ORP (mV)	Turbidity (NTU)	D.O. (mg/L)	Volume Purged (gal)	Water Level (for Low-Flow only)
Pre-Purge				-28		0.17		
1345	18.4	7.31	3033	—	58	—	1.6	
1349	18.8	7.31	2980	—	27	—	3.2	
1353	19.0	7.33	2869	—	37	—	4.8	
Post-Purge				-37		0.21		

Did Well dewater? Yes (No) Total Purge volume (gal): 4.8

Other Comments:	80% @ 4.92 ; DTW: 3.04 * 12/18/09 @0815 Told any MS/MSD TAKEN

Sample Info:

Sample ID:	MW-10_20091231	Sample Date and Time:	12/17/09 @1400
Selected Analysis:	SEE COC		

Signature: [signature] Date: 12/17/09

DELTA Consultants, 1-800-477-7411

LNAPL= light non-aqueous phase liquids
bgs = below ground surface
ORP = Oxidation-Reduction Potential
D.O.= dissolved oxygen

gal = gallon/s
temp = temperature
NTU = Nephelometric Turbidity Units
mV = millivolts

DELTA

JN

DELTA

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Cooler # ____ of ____

Required Lab Information:

Lab Name:	Pace-Seattle
Address:	940 S. Harney Street Seattle WA 98108
Lab PM:	Regina Ste. Marie
Phone/Fax:	P: 206-957-2433 F: 206-767-5063
Lab PM email	Regina.SteMarie@pacelabs.com
Applicable Lab Quote #:	

Required Project Information:

Site ID #:	2705191
Task:	WG_Q_200912
Delta project #	
Site Address	449 Hegenberger
City	Oakland
State	CA 94621
Delta PM Name	Dennis Dettloff
Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385
Delta PM Email:	ddettloff@deltaenv.com

Required Invoice Information:

Send Invoice to:	David Sowle
Address:	11050 White Rock Road, Suite 110
City/State	Rancho Cordova CA 95670
Phone #:	1-800-477-7411
Reimbursement project?	
Non-reimbursement project?	Y
Send EDD to	copeltdata@intelligentehs.com
CC Hardcopy report to	
CC Hardcopy report to	

Turn around time (days)	10
QC level Required: Standard	Special / Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? / Mark One
Lab Project ID (lab use)	

Valid Matrix Codes: DRINKING WATER WP, GROUND WATER WG, WASTE WATER WW, FREE PRODUCT LF, SOIL SO, OIL OL, WIPE SW, AMBIENT AIR AA, SVE AIR AE, SOIL GAS GS, WATER W, SURFACE WATER WS, WATER DC WQ, SLUDGE SL, RINSEATE WH, OTHER OT, ANIMAL TISSUE TA

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	353.2NitrateN	300Sulfate	6010IronTotal	8015TPHDiesel	8260 GC/MS GRO	8260BtexMtbe	8260Ethanol	Comments/Lab Sample I.D.
1	MW-10_20091231	WG	G	12/17	1400	14	~~Y~~ N	2	1	1	10					X	X	X	~~X~~	X	X	X	
2	MW-3_20091231	WG	G	12/17	1535	10	N	2	1	1	6					X	X	X	~~X~~	X	X	X	
3	MW-6_20091231	WG	G	12/17	1632	10	N	2	1	1	6					X	X	X	~~X~~	X	X	X	
4	~~MW-7_20091231~~	~~WG~~														~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	NO SAMPLE
5	~~MW-8_20091231~~	~~WG~~														~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	NO SAMPLE
6	MW-9_20091231	WG	G	12/17	1445	10	N	2	1	1	6					X	X	X	~~X~~	X	X	X	MS/MSD
7	TB1_20091231	W	G	12/17	1130	4	N				4									X	X	X	
8																							Silica Gel on TPH-Diesel 8015
9																							
10																							
11																							
12																							

mw 12/18/09

Additional Comments/Special Instructions:

GLOBAL ID: T0600101476

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature] /BTS	12/17				

Sample Receipt Conditions			
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING METHOD: (mark as appropriate) UPS COURIER (FEDEX) US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JEFF PARKER

SIGNATURE of SAMPLER: [signature] DATE Signed 12/17/09 Time:

Inogen

DELTA

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # _____ of _____

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 2705191	Task: WG_Q_200912	Send Invoice to:	David Sowle
Address:		Delta project #		Address:	11050 White Rock Road, Suite 110
940 S. Harney Street Seattle WA 98108		Site Address	449 Hegenberger	City/State	Rancho Cordova CA 95670 Phone #: 1-800-477-7411
Lab PM:	Regina Ste. Marie	City: Oakland	State: CA 94621	Reimbursement project?	Non-reimbursement project? Y Mark one
Phone/Fax:	P: 206-957-2433 F: 206-767-5063	Delta PM Name	Dennis Dettloff	Send EDD to	copeltdata@intelligentehs.com
Lab PM email	Regina.SteMarie@pacelabs.com	Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385	CC Hardcopy report to	
Applicable Lab Quote #:		Delta PM Email:	ddettloff@deltaenv.com	CC Hardcopy report to	

Turn around time (days)	10
QC level Required: Standard	Special ___ Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? ___ Mark One
Lab Project ID (lab use)	

Valid Matrix Codes: DRINKING WATER DW, GROUND WATER WG, WASTE WATER WW, FREE PRODUCT LF, SOIL SO, OIL OL, WIPE SW, AMBIENT AIR AA, SVE AIR AE, SOIL GAS GS; WATER W, SURFACE WATER WS, WATER QC WQ, SLUDGE SL, RINSEATE WH, OTHER OT, ANIMAL TISSUE TA

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other

Requested Analyses: 300NitrateN, 300Sulfate, 6010IronTotal, 8015TPHDiesel, 8260 GC/MS GRO, 8260BtexMtbe, 8260Ethanol

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	FIELD FILTERED? (Y/N)	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	300NitrateN	300Sulfate	6010IronTotal	8015TPHDiesel	8260 GC/MS GRO	8260BtexMtbe	8260Ethanol	Comments/Lab Sample I.D.
1	MW-10_20091231	WG	G	12/18	0815	1	N	1								~~X~~	~~X~~	~~X~~	X	~~X~~	~~X~~	~~X~~	TPHd only
2	MW-3_20091231	WG	G	12/18	0805	1	N	1								~~X~~	~~X~~	~~X~~	X	~~X~~	~~X~~	~~X~~	"
3	MW-6_20091231	WG	G	12/18	0820	1	N	1								~~X~~	~~X~~	~~X~~	X	~~X~~	~~X~~	~~X~~	"
4	~~MW-7_20091231~~	WG														X	X	X	X	X	X	X	
5	~~MW-8_20091231~~	WG														X	X	X	X	X	X	X	
6	MW-9_20091231	WG	G	12/18/09	0755	1	N	1								~~X~~	~~X~~	~~X~~	X	~~X~~	~~X~~	~~X~~	"
7	~~TB1_20091231~~	W	G	12/18/09	0750																		
8																							
9																							Silica Gel on TPH-Diesel 8015
10																							
11																							
12																							

Additional Comments/Special Instructions:

GLOBAL ID: T0600101476

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	12/18	1700			

Sample Receipt Conditions			
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
	Y / N	Y / N	Y / N
Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING METHOD: (mark as appropriate) UPS COURIER (FEDEX circled) US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JEFF PARKER

SIGNATURE of SAMPLER: [signature] DATE Signed: ~~12/18~~ 12/21/09 Time: 1700

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME COP-ELP @ OAKLAND				PROJECT NUMBER 2705191 | 091217-JP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 550	08B100951	12/17/09 0630	DO 100%	100%	YES	—	JP
HACH 2100P	060700C1520A	↓	20/100	20/106	YES	—	JP
MYRON ULTRAMETER	6209574	↓	PH 7, 10, 4 3900 MS COND 242 MV ORP	7.16, 10.05, 4.06 3872 238	YES	15.9	JP

Attachment D

Groundwater Sampling Certified Laboratory Analytical Report and Chain-of-Custody Documentation

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

January 13, 2010

Dennis Dettloff
ELT_Delta Consultants Sacramen
11050 White Rock Rd. #110
Rancho Cordova, CA 95670

RE: Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Dear Dennis Dettloff:
Enclosed are the analytical results for sample(s) received by the laboratory on December 18, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Regina SteMarie

regina.stemarie@pacelabs.com
Project Manager

Enclosures

cc: Tara Bosch, ELT_Delta Consultants Sacramento
Jonathon Fillingame, ELT_Delta Consultants Sacramento
Meghann Hurt, ELT_Delta Consultants Sacramento
Josh Mahoney, ELT_Delta Consultants San Jose
Tony Perini, ELT_Delta Consultants San Jose
Don Pinkerton, ELT_Delta Consultants Sacramento
David Sowle, Delta Consultants
Doug Umland, ELT_Delta Consultants San Jose
Ed Weyrens, ELT_Delta Consultants San Jose

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

CERTIFICATIONS

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Washington Certification IDs

940 South Harney Street Seattle, WA 98108
Washington Certification #: C1229
Oregon Certification #: WA200007
Alaska CS Certification #: UST-025
California Certification #: 01153CA
Alaska Drinking Water Micro Certification #: WA01230
Alaska Drinking Water VOC Certification #: WA01-09
Florida/NELAP Certification #: E87617

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

SAMPLE ANALYTE COUNT

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
252692001	**MW-10_20091231**	EPA 6010	BGA	1	PASI-S
		EPA 8260	LPM	9	PASI-S
		CA LUFT	LPM	2	PASI-S
		EPA 353.2	IJF	3	PASI-S
252692002	**MW-3_20091231**	EPA 6010	BGA	1	PASI-S
		EPA 8260	LPM	9	PASI-S
		CA LUFT	LPM	2	PASI-S
		EPA 353.2	IJF	3	PASI-S
252692003	**MW-6_20091231**	EPA 6010	BGA	1	PASI-S
		EPA 8260	LPM	9	PASI-S
		CA LUFT	LNH, LPM	2	PASI-S
		EPA 353.2	IJF	3	PASI-S
252692004	**MW-9_20091231**	EPA 6010	BGA	1	PASI-S
		EPA 8260	LNH	9	PASI-S
		CA LUFT	LNH	2	PASI-S
		EPA 353.2	IJF	3	PASI-S
252692005	**TB1_20091231**	EPA 8260	LNH	9	PASI-S
		CA LUFT	LNH	2	PASI-S

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

PROJECT NARRATIVE

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Method: **EPA 6010**
Description: 6010 MET ICP
Client: ELT-Delta Consultants
Date: January 13, 2010

General Information:
4 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

PROJECT NARRATIVE

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Method: **EPA 8260**
Description: 8260 MSV GRO and Oxygenates
Client: ELT-Delta Consultants
Date: January 13, 2010

General Information:
5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/1813

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 17785)
  - Ethanol

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/1813

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 252714001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 17884)
  - Ethanol
- MSD (Lab ID: 17885)
  - Ethanol

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

PROJECT NARRATIVE

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Method: **CA LUFT**
Description: CA LUFT MSV GRO
Client: ELT-Delta Consultants
Date: January 13, 2010

General Information:
5 samples were analyzed for CA LUFT. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

PROJECT NARRATIVE

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 unpres
Client: ELT-Delta Consultants
Date: January 13, 2010

General Information:
4 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: WETA/1318

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 252692001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 17686)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

ANALYTICAL RESULTS

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Sample: MW-10_20091231 **Lab ID: 252692001** Collected: 12/17/09 14:00 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**3410**	ug/L	100	1	12/21/09 10:01	12/22/09 09:34	7439-89-6	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Benzene	**1.2**	ug/L	0.50	1		12/22/09 06:55	71-43-2	
Ethanol	ND	ug/L	250	1		12/22/09 06:55	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/22/09 06:55	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/22/09 06:55	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/22/09 06:55	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/22/09 06:55	1330-20-7	
Toluene-d8 (S)	104	%	80-123	1		12/22/09 06:55	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1		12/22/09 06:55	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-124	1		12/22/09 06:55	17060-07-0	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/22/09 06:55		
4-Bromofluorobenzene (S)	103	%	82-116	1		12/22/09 06:55	460-00-4	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**1970**	ug/L	50.0	1		12/22/09 15:11		
Nitrogen, Nitrite	**60.3**	ug/L	50.0	1		12/18/09 16:28		
Nitrogen, NO2 plus NO3	**2030**	ug/L	50.0	1		12/22/09 15:11		

Sample: MW-3_20091231 **Lab ID: 252692002** Collected: 12/17/09 15:35 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**12300**	ug/L	100	1	12/21/09 10:01	12/22/09 09:42	7439-89-6	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Benzene	ND	ug/L	0.50	1		12/22/09 07:18	71-43-2	
Ethanol	ND	ug/L	250	1		12/22/09 07:18	64-17-5	
Ethylbenzene	**0.78**	ug/L	0.50	1		12/22/09 07:18	100-41-4	
Methyl-tert-butyl ether	**43.1**	ug/L	0.50	1		12/22/09 07:18	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/22/09 07:18	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/22/09 07:18	1330-20-7	
Toluene-d8 (S)	102	%	80-123	1		12/22/09 07:18	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-120	1		12/22/09 07:18	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-124	1		12/22/09 07:18	17060-07-0	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**300**	ug/L	50.0	1		12/22/09 07:18		
4-Bromofluorobenzene (S)	106	%	82-116	1		12/22/09 07:18	460-00-4	

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ANALYTICAL RESULTS

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Sample: MW-3_20091231 **Lab ID: 252692002** Collected: 12/17/09 15:35 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		12/22/09 15:16		
Nitrogen, Nitrite	ND	ug/L	50.0	1		12/18/09 16:33		
Nitrogen, NO2 plus NO3	ND	ug/L	50.0	1		12/22/09 15:16		

Sample: MW-6_20091231 **Lab ID: 252692003** Collected: 12/17/09 16:32 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**2460**	ug/L	100	1	12/21/09 10:01	12/22/09 09:45	7439-89-6	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Benzene	**1730**	ug/L	10.0	20		12/22/09 17:12	71-43-2	
Ethanol	ND	ug/L	250	1		12/22/09 07:40	64-17-5	
Ethylbenzene	**2260**	ug/L	10.0	20		12/22/09 17:12	100-41-4	
Methyl-tert-butyl ether	**20.3**	ug/L	0.50	1		12/22/09 07:40	1634-04-4	
Toluene	**199**	ug/L	10.0	20		12/22/09 17:12	108-88-3	
Xylene (Total)	**5460**	ug/L	30.0	20		12/22/09 17:12	1330-20-7	
Toluene-d8 (S)	101	%	80-123	1		12/22/09 07:40	2037-26-5	
4-Bromofluorobenzene (S)	75	%	80-120	1		12/22/09 07:40	460-00-4	
1,2-Dichloroethane-d4 (S)	132	%	80-124	1		12/22/09 07:40	17060-07-0	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**59100**	ug/L	1000	20		12/22/09 17:12		
4-Bromofluorobenzene (S)	111	%	82-116	20		12/22/09 17:12	460-00-4	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		12/22/09 15:17		
Nitrogen, Nitrite	ND	ug/L	50.0	1		12/18/09 16:34		
Nitrogen, NO2 plus NO3	ND	ug/L	50.0	1		12/22/09 15:17		

Sample: MW-9_20091231 **Lab ID: 252692004** Collected: 12/17/09 14:45 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Iron	**2270**	ug/L	100	1	12/21/09 10:01	12/22/09 09:48	7439-89-6	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Benzene	ND	ug/L	0.50	1		12/22/09 17:53	71-43-2	
Ethanol	ND	ug/L	250	1		12/22/09 17:53	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/22/09 17:53	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/22/09 17:53	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/22/09 17:53	108-88-3	

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ANALYTICAL RESULTS

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Sample: MW-9_20091231 **Lab ID: 252692004** Collected: 12/17/09 14:45 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1.5	1		12/22/09 17:53	1330-20-7	
Toluene-d8 (S)	104	%	80-123	1		12/22/09 17:53	2037-26-5	
4-Bromofluorobenzene (S)	97	%	80-120	1		12/22/09 17:53	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-124	1		12/22/09 17:53	17060-07-0	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/22/09 17:53		
4-Bromofluorobenzene (S)	97	%	82-116	1		12/22/09 17:53	460-00-4	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		12/22/09 15:19		
Nitrogen, Nitrite	ND	ug/L	50.0	1		12/18/09 16:36		
Nitrogen, NO2 plus NO3	ND	ug/L	50.0	1		12/22/09 15:19		

Sample: TB1_20091231 **Lab ID: 252692005** Collected: 12/17/09 11:30 Received: 12/18/09 09:49 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
Benzene	ND	ug/L	0.50	1		12/22/09 00:56	71-43-2	
Ethanol	ND	ug/L	250	1		12/22/09 00:56	64-17-5	L2
Ethylbenzene	ND	ug/L	0.50	1		12/22/09 00:56	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/22/09 00:56	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/22/09 00:56	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/22/09 00:56	1330-20-7	
Toluene-d8 (S)	105	%	80-123	1		12/22/09 00:56	2037-26-5	
4-Bromofluorobenzene (S)	94	%	80-120	1		12/22/09 00:56	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-124	1		12/22/09 00:56	17060-07-0	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/22/09 00:56		
4-Bromofluorobenzene (S)	94	%	82-116	1		12/22/09 00:56	460-00-4	

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MPRP/1392 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 252692001, 252692002, 252692003, 252692004

METHOD BLANK: 17743 Matrix: Water
Associated Lab Samples: 252692001, 252692002, 252692003, 252692004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	ND	100	12/22/09 09:29	

LABORATORY CONTROL SAMPLE: 17744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	10200	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17745 17746

Parameter	Units	252692001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Iron	ug/L	3410	10000	10000	13200	13600	98	102	75-125	3	

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1812 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 252692001, 252692002, 252692003

METHOD BLANK: 17775 Matrix: Water
Associated Lab Samples: 252692001, 252692002, 252692003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	0.50	12/21/09 23:47	
Ethanol	ug/L	ND	250	12/21/09 23:47	
Ethylbenzene	ug/L	ND	0.50	12/21/09 23:47	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/21/09 23:47	
Toluene	ug/L	ND	0.50	12/21/09 23:47	
Xylene (Total)	ug/L	ND	1.5	12/21/09 23:47	
1,2-Dichloroethane-d4 (S)	%	92	80-124	12/21/09 23:47	
4-Bromofluorobenzene (S)	%	104	80-120	12/21/09 23:47	
Toluene-d8 (S)	%	102	80-123	12/21/09 23:47	

LABORATORY CONTROL SAMPLE: 17776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.3	101	75-124	
Ethanol	ug/L	400	366	91	60-140	
Ethylbenzene	ug/L	20	18.8	94	76-124	
Methyl-tert-butyl ether	ug/L	20	19.7	99	72-130	
Toluene	ug/L	20	18.4	92	75-124	
Xylene (Total)	ug/L	60	54.6	91	76-123	
1,2-Dichloroethane-d4 (S)	%			92	80-124	
4-Bromofluorobenzene (S)	%			99	80-120	
Toluene-d8 (S)	%			93	80-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17777 17778

Parameter	Units	252692001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	1.2	20	20	23.9	24.9	113	118	75-124	4	
Ethanol	ug/L	ND	400	400	390	468	98	117	60-140	18	
Ethylbenzene	ug/L	ND	20	20	20.6	21.5	103	108	76-124	4	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.0	22.0	104	109	72-130	5	
Toluene	ug/L	ND	20	20	20.2	20.6	101	103	75-124	2	
Xylene (Total)	ug/L	ND	60	60	59.2	61.8	99	103	76-123	4	
1,2-Dichloroethane-d4 (S)	%						95	95	80-124		
4-Bromofluorobenzene (S)	%						98	97	80-120		
Toluene-d8 (S)	%						93	94	80-123		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1813
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 252692005

METHOD BLANK: 17784 Matrix: Water
Associated Lab Samples: 252692005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	0.50	12/21/09 23:28	
Ethanol	ug/L	ND	250	12/21/09 23:28	
Ethylbenzene	ug/L	ND	0.50	12/21/09 23:28	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/21/09 23:28	
Toluene	ug/L	ND	0.50	12/21/09 23:28	
Xylene (Total)	ug/L	ND	1.5	12/21/09 23:28	
1,2-Dichloroethane-d4 (S)	%	110	80-124	12/21/09 23:28	
4-Bromofluorobenzene (S)	%	97	80-120	12/21/09 23:28	
Toluene-d8 (S)	%	105	80-123	12/21/09 23:28	

LABORATORY CONTROL SAMPLE: 17785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.8	99	75-124	
Ethanol	ug/L	400	220J	55	60-140	L0
Ethylbenzene	ug/L	20	18.9	94	76-124	
Methyl-tert-butyl ether	ug/L	20	16.1	81	72-130	
Toluene	ug/L	20	20.2	101	75-124	
Xylene (Total)	ug/L	60	58.6	98	76-123	
1,2-Dichloroethane-d4 (S)	%			107	80-124	
4-Bromofluorobenzene (S)	%			102	80-120	
Toluene-d8 (S)	%			109	80-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17884 17885

Parameter	Units	252714001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	31.9	20	20	53.8	55.6	109	118	75-124	3	
Ethanol	ug/L	ND	400	400	581	232J	145	58	60-140		M0
Ethylbenzene	ug/L	17.9	20	20	40.3	40.5	112	113	76-124	.4	
Methyl-tert-butyl ether	ug/L	3.0	20	20	21.2	21.3	91	92	72-130	.3	
Toluene	ug/L	3.0	20	20	24.9	26.0	109	115	75-124	5	
Xylene (Total)	ug/L	17.3	60	60	85.9	82.6	114	109	76-123	4	
1,2-Dichloroethane-d4 (S)	%						109	107	80-124		
4-Bromofluorobenzene (S)	%						96	106	80-120		
Toluene-d8 (S)	%						105	110	80-123		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1820
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 252692004

METHOD BLANK: 17894 Matrix: Water
Associated Lab Samples: 252692004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	0.50	12/22/09 11:58	
Ethanol	ug/L	ND	250	12/22/09 11:58	
Ethylbenzene	ug/L	ND	0.50	12/22/09 11:58	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/22/09 11:58	
Toluene	ug/L	ND	0.50	12/22/09 11:58	
Xylene (Total)	ug/L	ND	1.5	12/22/09 11:58	
1,2-Dichloroethane-d4 (S)	%	112	80-124	12/22/09 11:58	
4-Bromofluorobenzene (S)	%	103	80-120	12/22/09 11:58	
Toluene-d8 (S)	%	106	80-123	12/22/09 11:58	

LABORATORY CONTROL SAMPLE: 17895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.6	98	75-124	
Ethanol	ug/L	400	510	127	60-140	
Ethylbenzene	ug/L	20	18.4	92	76-124	
Methyl-tert-butyl ether	ug/L	20	15.9	79	72-130	
Toluene	ug/L	20	19.2	96	75-124	
Xylene (Total)	ug/L	60	57.8	96	76-123	
1,2-Dichloroethane-d4 (S)	%			110	80-124	
4-Bromofluorobenzene (S)	%			97	80-120	
Toluene-d8 (S)	%			106	80-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17896 17897

Parameter	Units	252697018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	20	20	22.2	22.8	109	112	75-124	3	
Ethanol	ug/L	ND	400	400	399	472	100	118	60-140	17	
Ethylbenzene	ug/L	ND	20	20	22.1	21.1	110	106	76-124	4	
Methyl-tert-butyl ether	ug/L	0.73	20	20	17.3	18.0	83	86	72-130	4	
Toluene	ug/L	ND	20	20	21.2	21.5	105	107	75-124	1	
Xylene (Total)	ug/L	1.5	60	60	66.4	67.0	108	109	76-123	.8	
1,2-Dichloroethane-d4 (S)	%						106	108	80-124		
4-Bromofluorobenzene (S)	%						97	99	80-120		
Toluene-d8 (S)	%						105	104	80-123		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1816
QC Batch Method: CA LUFT
Analysis Method: CA LUFT
Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 252692005

METHOD BLANK: 17804 Matrix: Water
Associated Lab Samples: 252692005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	12/21/09 23:28	
4-Bromofluorobenzene (S)	%	97	82-116	12/21/09 23:28	

LABORATORY CONTROL SAMPLE: 17805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	592	118	60-140	
4-Bromofluorobenzene (S)	%			100	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17806 17807

Parameter	Units	252697005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
TPH-Gasoline (C05-C12)	ug/L	ND	500	500	448	452	89	89	60-140	1	
4-Bromofluorobenzene (S)	%						96	96	82-116		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1819 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 252692001, 252692002

METHOD BLANK: 17878 Matrix: Water
Associated Lab Samples: 252692001, 252692002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	12/21/09 23:47	
4-Bromofluorobenzene (S)	%	104	82-116	12/21/09 23:47	

LABORATORY CONTROL SAMPLE: 17879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	420	84	60-140	
4-Bromofluorobenzene (S)	%			106	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17876 17877

Parameter	Units	252692001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
TPH-Gasoline (C05-C12)	ug/L	ND	500	500	410	421	82	84	60-140	3	
4-Bromofluorobenzene (S)	%						105	106	82-116		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: MSV/1823 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 252692003, 252692004

METHOD BLANK: 17915 Matrix: Water
Associated Lab Samples: 252692003, 252692004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	12/22/09 11:58	
4-Bromofluorobenzene (S)	%	103	82-116	12/22/09 11:58	

LABORATORY CONTROL SAMPLE: 17916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	531	106	60-140	
4-Bromofluorobenzene (S)	%			100	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17917 17918

Parameter	Units	252697014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
TPH-Gasoline (C05-C12)	ug/L	25100	5000	5000	29300	30400	84	106	60-140	4	
4-Bromofluorobenzene (S)	%						102	104	82-116		

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

QC Batch: WETA/1318 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 252692001, 252692002, 252692003, 252692004

METHOD BLANK: 17683 Matrix: Water
Associated Lab Samples: 252692001, 252692002, 252692003, 252692004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrite	ug/L	ND	50.0	12/18/09 16:27	
Nitrogen, NO2 plus NO3	ug/L	ND	50.0	12/22/09 15:05	

LABORATORY CONTROL SAMPLE: 17684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrite	ug/L	50	80.6	161	90-110	
Nitrogen, NO2 plus NO3	ug/L	1000	1040	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 17685 17686

Parameter	Units	252692001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Nitrite	ug/L	60.3	50	50	135	131	150	142	90-110	3	
Nitrogen, NO2 plus NO3	ug/L	2030	1000	1000	3100	3160	107	112	90-110	2	M1

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

QUALIFIERS

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-S	Pace Analytical Services - Seattle

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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940 South Harney
Seattle, WA 98108
(206)767-5060

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2705191 449 Hegenberger
Pace Project No.: 252692

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
252692001	**MW-10_20091231**	EPA 3010	MPRP/1392	EPA 6010	ICP/1316
252692002	**MW-3_20091231**	EPA 3010	MPRP/1392	EPA 6010	ICP/1316
252692003	**MW-6_20091231**	EPA 3010	MPRP/1392	EPA 6010	ICP/1316
252692004	**MW-9_20091231**	EPA 3010	MPRP/1392	EPA 6010	ICP/1316
252692001	**MW-10_20091231**	EPA 8260	MSV/1812		
252692002	**MW-3_20091231**	EPA 8260	MSV/1812		
252692003	**MW-6_20091231**	EPA 8260	MSV/1812		
252692004	**MW-9_20091231**	EPA 8260	MSV/1820		
252692005	**TB1_20091231**	EPA 8260	MSV/1813		
252692001	**MW-10_20091231**	CA LUFT	MSV/1819		
252692002	**MW-3_20091231**	CA LUFT	MSV/1819		
252692003	**MW-6_20091231**	CA LUFT	MSV/1823		
252692004	**MW-9_20091231**	CA LUFT	MSV/1823		
252692005	**TB1_20091231**	CA LUFT	MSV/1816		
252692001	**MW-10_20091231**	EPA 353.2	WETA/1318		
252692002	**MW-3_20091231**	EPA 353.2	WETA/1318		
252692003	**MW-6_20091231**	EPA 353.2	WETA/1318		
252692004	**MW-9_20091231**	EPA 353.2	WETA/1318		

20091231 2705191 WG_Q_200912 BO (2)

252692

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # ____ of ____

DELTA

21798/L1822

Required Lab Information:

Lab Name:	Pace-Seattle
Address:	940 S. Harney Street Seattle WA 98108
Lab PM:	Regina Ste. Marie
Phone/Fax:	P: 206-957-2433 F: 206-767-5063
Lab PM email	Regina.SteMarie@pacelabs.com
Applicable Lab Quote #:	

Required Project Information:

Site ID #:	2705191
Task:	WG_Q_200912
Delta project #	
Site Address	449 Hegenberger
City	Oakland
State	CA 94621
Delta PM Name	Dennis Dettloff
Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385
Delta PM Email:	ddettloff@deltaenv.com

Required Invoice Information:

Send Invoice to:	David Sowle
Address:	11050 White Rock Road, Suite 110
City/State	Rancho Cordova CA 95670
Phone #:	1-800-477-7411
Reimbursement project?	
Non-reimbursement project?	Y
Mark one	
Send EDD to	copeltdata@intelligentehs.com
CC Hardcopy report to	
CC Hardcopy report to	

Turn around time (days)	10
QC level Required: Standard	Special ____ Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? ____ Mark One
Lab Project ID (lab use)	

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX — DRINKING WATER WP; GROUND WATER WG; WASTE WATER WW; FREE PRODUCT LF; SOIL SO; OIL OL; WIPE SW; AMBIENT AIR AA; SVE AIR AE; SOIL GAS GS; WATER W; SURFACE WATER WS; WATER QC WQ; SLUDGE SL; RINSEATE WH; OTHER OT; ANIMAL TISSUE TA

Requested Analyses

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	# OF CONTAINERS	FIELD FILTERED? (Y/N)	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	353.2NitrateN	300Sulfate	6010IronTotal	8015TPHDiesel (S)	8260 GC/MS GRO	8260BtexMtbe	8260Ethanol	Comments/Lab Sample I.D.
1	MW-10_20091231	WG	G	12/17	1400	14	N	2	1	1	10					x	x	x	x	x	x	x	MS/MSD
2	MW-3_20091231	WG	G	12/17	1535	10	N	2	1	1	6					x	x	x	x	x	x	x	
3	MW-6_20091231	WG	G	12/17	1632	10	N	2	1	1	6					x	x	x	x	x	x	x	
4	~~MW-7_20091231~~	~~WG~~														~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	NO SAMPLE
5	~~MW-8_20091231~~	~~WG~~														~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	~~x~~	NO SAMPLE
6	MW-9_20091231	WG	G	12/17	1445	10	N	2	1	1	6					x	x	x	x	x	x	x	~~MS/MSD~~
7	TB1_20091231	W	G	12/17	1130	4	N				4									x	x	x	
8																							Silica Gel on TPH-Diesel 8015
9																							
10																							
11																							
12																							

Additional Comments/Special Instructions:

GLOBAL ID: T0600101476

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Receipt Conditions			
[signature] / BTS	12/17	1745	[illegible] / Pace	12/18/09	0940	1.8	Ⓨ/N	Ⓨ/N	Ⓨ/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
						Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?

SHIPPING METHOD: (mark as appropriate) UPS COURIER (FEDEX) US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JEFF PARKER

SIGNATURE of SAMPLER: [signature] DATE Signed 12/17/09 Time: 1745

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta

Project # 252692

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: 8104 9477 8319

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: Horiba 132013 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.8 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 12/18/09 AR

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	6. NO_2 / NO_3
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: Water	☒Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	Initial when completed / Lot # of added preservative
exceptions: (VOA) coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Pace Analytical Services, Inc. 940 S. Harney Street Seattle, WA 98108	Client Project ID: #252692; 2705191 449 Hegenberger	Date Sampled: 12/17/09
		Date Received: 01/12/10
	Client Contact: Regina Ste. Marie	Date Reported: 01/12/10
	Client P.O.:	Date Completed: 01/12/10

WorkOrder: 1001164

January 12, 2010

Dear Regina:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#252692; 2705191 449 Hegenberge**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

Chain of Custody

★ Rush ★ RUSH
Need Results
01/13/10

Pace Analytical®
www.pacelabs.com

1001164

Workorder: 252692 **Workorder Name:** 2705191 449 Hegenberger

Report / Invoice To	Subcontract To
Pace Analytical 940 S. Harney St. Seattle, WA 98108 Attn: Regina Ste. Marie 206-767-5060	McCampbell P.O._____ 1534 Willow Pass Rd. Pittsburg, CA. 94565

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers	Requested Analysis: Sulfate 300.1	LAB USE LEVEL
1	252692001 ★	12/17/09 14:00		WT		X	~~MS/MSD~~ ★
2	002	15:35				X	not needed per R.S.M.
3	003	16:32				X	
4	004	14.45				X	
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	1/11/10 1450	[illegible]	1/12/10 1000
2				
3				
4				
5				

Comments

Please provide Geotracker.

252692

~~The report did not run correctly due to the following condition: The report did not return any data~~ SM 1/11/10

ICE / T° 4.6°C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ____ PRESERVED IN LAB ____
DECHLORINATED IN LAB ____

PRESERVATION	VOAS	O & G	METALS	OTHER

REC'D SEALED & INTACT VIA Fedex 1/12/10

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1001164 **ClientCode: PASS**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Regina Ste. Marie
Pace Analytical Services, Inc.
940 S. Harney Street
Seattle, WA 98108
(206) 767-5060 FAX

Email: Regina.SteMarie@pacelabs.com
cc:
PO:
ProjectNo: #252692; 2705191 449 Hegenberger

Bill to:
Regina Ste. Marie
Pace Analytical Services, Inc.
940 S. Harney Street
Seattle, WA 98108
Claudia.Kuniholm@pacelabs.com

Requested TAT: 1 day

Date Received: **01/12/2010**
Date Printed: **01/12/2010**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1001164-001	MW-10	Water	12/17/2009 14:00	☐	A	A										
1001164-002	MW-3	Water	12/17/2009 15:35	☐	A											
1001164-003	MW-6	Water	12/17/2009 16:32	☐	A											
1001164-004	MW-9	Water	12/17/2009 14:45	☐	A											

Test Legend:

1	300_1_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Pace Analytical Services, Inc.**
Date and Time Received: **1/12/2010 10:43:43 AM**

Project Name: **#252692; 2705191 449 Hegenberger**
Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **1001164** Matrix Water
Carrier: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☐	No ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	NA ☐
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Pace Analytical Services, Inc.	Client Project ID: #252692; 2705191 449 Hegenberger	Date Sampled: 12/17/09
940 S. Harney Street		Date Received: 01/12/10
	Client Contact: Regina Ste. Marie	Date Extracted: 01/12/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 01/12/10

Inorganic Anions by IC*

Extraction method E300.1 Analytical methods E300.1 Work Order: 1001164

Lab ID	Client ID	Matrix	Sulfate	DF	% SS	Comments
1001164-001A	MW-10	W	86	20	---#	
1001164-002A	MW-3	W	ND<0.50	5	---#	a1
1001164-003A	MW-6	W	ND<0.50	5	---#	a1
1001164-004A	MW-9	W	11	5	---#	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.1	mg/L
	S	NA	NA

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

* [Nitrate as $NO3^{-}$] = 4.4286 x [Nitrate as N]

surrogate diluted out of range or surrogate coelutes with another peak; N/A means surrogate not applicable to this analysis.

a1) sample diluted due to matrix interference

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 48023 WorkOrder 1001164

EPA Method E300.1 **Extraction E300.1** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Sulfate	N/A	1	N/A	N/A	N/A	99.2	101	1.45	N/A	N/A	85 - 115	15
%SS:	N/A	0.10	N/A	N/A	N/A	99	99	0	N/A	N/A	90 - 115	10

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 48023 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1001164-001A	12/17/09 2:00 PM	01/12/10	01/12/10 3:25 PM	1001164-002A	12/17/09 3:35 PM	01/12/10	01/12/10 12:47 PM
1001164-003A	12/17/09 4:32 PM	01/12/10	01/12/10 1:26 PM	1001164-004A	12/17/09 2:45 PM	01/12/10	01/12/10 4:05 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

surrogate diluted out of range or surrogate coelutes with another peak.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

January 05, 2010

Dennis Dettloff
ELT_Delta Consultants Sacramen
11050 White Rock Rd. #110
Rancho Cordova, CA 95670

RE: Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Dear Dennis Dettloff:
Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Gross for
Regina SteMarie
regina.stemarie@pacelabs.com
Project Manager

Enclosures

cc: Tara Bosch, ELT_Delta Consultants Sacramento
Jonathon Fillingame, ELT_Delta Consultants Sacramento
Meghann Hurt, ELT_Delta Consultants Sacramento
Josh Mahoney, ELT_Delta Consultants San Jose
Tony Perini, ELT_Delta Consultants San Jose
Don Pinkerton, ELT_Delta Consultants Sacramento
David Sowle, Delta Consultants
Doug Umland, ELT_Delta Consultants San Jose
Ed Weyrens, ELT_Delta Consultants San Jose

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

CERTIFICATIONS

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Washington Certification IDs

940 South Harney Street Seattle, WA 98108
Washington Certification #: C1229
Oregon Certification #: WA200007
Alaska CS Certification #: UST-025
California Certification #: 01153CA
Alaska Drinking Water Micro Certification #: WA01230
Alaska Drinking Water VOC Certification #: WA01-09
Florida/NELAP Certification #: E87617

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

SAMPLE ANALYTE COUNT

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
252713001	**MW-10_20091231**	EPA 8015B	DMT	4	PASI-S
252713002	**MW-3_20091231**	EPA 8015B	DMT	4	PASI-S
252713003	**MW-6_20091231**	EPA 8015B	DMT	4	PASI-S
252713004	**MW-9_20091231**	EPA 8015B	DMT	4	PASI-S

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

PROJECT NARRATIVE

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Method: **EPA 8015B**
Description: 8015B CA TPH DRO
Client: ELT-Delta Consultants
Date: January 05, 2010

General Information:
4 samples were analyzed for EPA 8015B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 Modified with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/1754

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MW-6_20091231 (Lab ID: 252713003)
  - o-Terphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

ANALYTICAL RESULTS

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Sample: MW-10_20091231 **Lab ID: 252713001** Collected: 12/18/09 08:15 Received: 12/22/09 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B CA TPH DRO	Analytical Method: EPA 8015B Preparation Method: EPA 3510 Modified							
TPH-DRO (C10-C24)	**0.11**	mg/L	0.038	1	12/23/09 11:10	01/04/10 16:03		
TPH-RRO (C24-C40)	**0.24**	mg/L	0.19	1	12/23/09 11:10	01/04/10 16:03		
o-Terphenyl (S)	106	%	50-150	1	12/23/09 11:10	01/04/10 16:03	84-15-1	
n-Octacosane (S)	122	%	26-152	1	12/23/09 11:10	01/04/10 16:03	630-02-4	

Sample: MW-3_20091231 **Lab ID: 252713002** Collected: 12/18/09 08:05 Received: 12/22/09 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B CA TPH DRO	Analytical Method: EPA 8015B Preparation Method: EPA 3510 Modified							
TPH-DRO (C10-C24)	**0.34**	mg/L	0.038	1	12/23/09 11:10	01/04/10 16:22		
TPH-RRO (C24-C40)	**0.58**	mg/L	0.19	1	12/23/09 11:10	01/04/10 16:22		
o-Terphenyl (S)	109	%	50-150	1	12/23/09 11:10	01/04/10 16:22	84-15-1	
n-Octacosane (S)	125	%	26-152	1	12/23/09 11:10	01/04/10 16:22	630-02-4	

Sample: MW-6_20091231 **Lab ID: 252713003** Collected: 12/18/09 08:20 Received: 12/22/09 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B CA TPH DRO	Analytical Method: EPA 8015B Preparation Method: EPA 3510 Modified							
TPH-DRO (C10-C24)	**30.3**	mg/L	0.75	20	12/23/09 11:10	01/05/10 11:00		
TPH-RRO (C24-C40)	**1.7**	mg/L	0.19	1	12/23/09 11:10	01/04/10 16:41		
o-Terphenyl (S)	0	%	50-150	20	12/23/09 11:10	01/05/10 11:00	84-15-1	S4
n-Octacosane (S)	137	%	26-152	1	12/23/09 11:10	01/04/10 16:41	630-02-4	

Sample: MW-9_20091231 **Lab ID: 252713004** Collected: 12/18/09 07:55 Received: 12/22/09 09:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B CA TPH DRO	Analytical Method: EPA 8015B Preparation Method: EPA 3510 Modified							
TPH-DRO (C10-C24)	**0.10**	mg/L	0.038	1	12/23/09 11:10	01/04/10 17:19		
TPH-RRO (C24-C40)	**0.28**	mg/L	0.19	1	12/23/09 11:10	01/04/10 17:19		
o-Terphenyl (S)	112	%	50-150	1	12/23/09 11:10	01/04/10 17:19	84-15-1	
n-Octacosane (S)	130	%	26-152	1	12/23/09 11:10	01/04/10 17:19	630-02-4	

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QUALITY CONTROL DATA

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

QC Batch: OEXT/1754 Analysis Method: EPA 8015B
QC Batch Method: EPA 3510 Modified Analysis Description: EPA 8015B
Associated Lab Samples: 252713001, 252713002, 252713003, 252713004

METHOD BLANK: 17938 Matrix: Water
Associated Lab Samples: 252713001, 252713002, 252713003, 252713004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C24)	mg/L	ND	0.040	01/04/10 15:06	
TPH-RRO (C24-C40)	mg/L	ND	0.20	01/04/10 15:06	
n-Octacosane (S)	%	111	26-152	01/04/10 15:06	
o-Terphenyl (S)	%	93	50-150	01/04/10 15:06	

LABORATORY CONTROL SAMPLE & LCSD: 17939 17940

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH-DRO (C10-C24)	mg/L	2.5	2.0	1.9	79	75		6		
TPH-RRO (C24-C40)	mg/L	2.5	2.4	2.3	94	91		3		
n-Octacosane (S)	%				112	113	26-152			
o-Terphenyl (S)	%				101	100	50-150			

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QUALIFIERS

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-S	Pace Analytical Services - Seattle

ANALYTE QUALIFIERS

S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2705191 449 Hegenberger
Pace Project No.: 252713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
252713001	**MW-10_20091231**	EPA 3510 Modified	OEXT/1754	EPA 8015B	GCSV/1397
252713002	**MW-3_20091231**	EPA 3510 Modified	OEXT/1754	EPA 8015B	GCSV/1397
252713003	**MW-6_20091231**	EPA 3510 Modified	OEXT/1754	EPA 8015B	GCSV/1397
252713004	**MW-9_20091231**	EPA 3510 Modified	OEXT/1754	EPA 8015B	GCSV/1397

20091231 2705191 WG_Q_200912 EO (1)

252713

COP ELT CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # 1 of 1

DELTA

Required Lab Information:

Lab Name:	Pace-Seattle
Address:	940 S. Harney Street Seattle WA 98108
Lab PM:	Regina Ste. Marie
Phone/Fax:	P: 206-957-2433 F: 206-767-5063
Lab PM email	Regina.SteMarie@pacelabs.com
Applicable Lab Quote #:	

Required Project Information:

Site ID #:	2705191
Task:	WG_Q_200912
Delta project #	
Site Address	449 Hegenberger
City	Oakland
State	CA 94621
Delta PM Name	Dennis Dettloff
Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385
Delta PM Email:	ddettloff@deltaenv.com

Required Invoice Information:

Send Invoice to:	David Sowle
Address:	11050 White Rock Road, Suite 110
City/State	Rancho Cordova CA 95670
Phone #:	1-800-477-7411
Reimbursement project?	
Non-reimbursement project?	Y
Send EDD to	copeltdata@intelligentehs.com
CC Hardcopy report to	
CC Hardcopy report to	

Rsm 12/22/09
2705 21789 LI

Turn around time (days)	10
QC level Required: Standard	Special — Mark one
NJ Reduced Deliverable Package?	
MA MCP Cert?	CT RCP Cert? — Mark One
Lab Project ID (lab use)	

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WQ
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO	RINSEATE	WH
OIL	OIL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TA
AMBIENT AIR	AA		
SVE AIR	AE		
SOIL GAS	GS		

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 300NitrateN	300Sulfate	6010IronTotal	8015TPHDiesel	8260 GC/MS GRO	8260BtexMtbe	8260Ethanol	Comments/Lab Sample I.D.
1	MW-10_20091231	WG	G	12/18	0815	1	N	1								x	x	x	x	x	x	x	TPHd only
2	MW-3_20091231	WG	G	12/18	0805	1	N	1								x	x	x	x	x	x	x	
3	MW-6_20091231	WG	G	12/18	0820	1	N	1								x	x	x	x	x	x	x	
4	~~MW-7_20091231~~	WG														x	x	x	x	x	x	x	
5	~~MW-8_20091231~~	WG														x	x	x	x	x	x	x	
6	MW-9_20091231	WG	G	12/18/09	0755	1	N	1								x	x	x	x	x	x	x	
7	~~TB1_20091231~~ (DUP)	W	G	~~12/18/09~~	~~0758~~																		
8																							Silica Gel on TPH-Diesel 8015
9																							
10																							
11																							
12																							

Additional Comments/Special Instructions:

GLOBAL ID: T0600101476

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	12/18	1700		12/18	1700
			Fedex	12/22	0945

Sample Receipt Conditions			
	Y/N	Y/N	Y/N
4.3	(Y) N	(Y) N	Y (N)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SHIPPING METHOD: (mark as appropriate) — UPS COURIER (FEDEX) — US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JEFF PARKER mdl 12/4

SIGNATURE of SAMPLER:

DATE Signed ~~12/18~~ 12/21/09 Time: 1700

Temp in °C | Samples on Ice? | Sample Intact? | Trip Blank?

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta-Blaine Tech

Project # _____

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: 8704 9477 8282

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: Horiba 132013 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.3 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 12/22/09 AD

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5. Samples recieved with 3days left on hold time
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☑No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Attachment E

Waste Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NA

Manifest Document No. 2705191-1209

2. Page 1 of 1

3. Generator's Name and Mailing Address: Hamilton Tran, PCTF, 2603 Camino Ramon, Suite 350, San Ramon, CA 94583

Site# 2705191
449 Hegenberger
Oakland, CA 94621

4. Generator's Phone (925) 884-0819

5. Transporter 1 Company Name: Blaine Tech Services

6. US EPA ID Number: ——

A. State Transporter's ID: ——

B. Transporter 1 Phone: 310-885-4455

7. Transporter 2 Company Name: ——

8. US EPA ID Number: ——

C. State Transporter's ID: ——

D. Transporter 2 Phone: ——

9. Designated Facility Name and Site Address: Evergreen Oil Inc. 6880 Smith Ave, Newark, CA 94560 ~~Seaport Environmental 700 Seaport Blvd. Redwood City, CA 94063~~

10. US EPA ID Number: CAD980887418 ~~00013572~~

E. State Facility's ID: ——

F. Facility's Phone: 510-795-4400 ~~650-364-1024~~

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Groundwater	1	TT	27	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Tara L. Bosch — Signature: Tara L Bosch — Date: Month 12 Day 7 Year 09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Parker — Signature: [signature] — Date: Month 12 Day 17 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name — Signature — Date: Month Day Year

GENERATOR / TRANSPORTER / FACILITY

NON-HAZARDOUS WASTE