ConocoPhillips
76 Broadway
Sacramento, California 95818

July 26, 2010

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

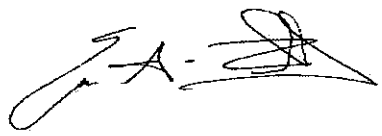
Re: **Semi-Annual Summary Report – January through June 2010**
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

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 me at (916) 558-7604.

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

DELTA

Semi-Annual Summary Report – January through June 2010

76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland California

Delta Project No. I40255325

Submitted to:

Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
Fuel Leak Case No. RO00000229

Submitted by:

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

July 26, 2010

A member of
Inogen Environmental Alliance

SAMPLING AND MONITORING INFORMATION

Current Phase of Project:	Groundwater Monitoring and Sampling
Frequency of Monitoring:	Semi-Annual
Frequency of Sampling:	2nd Quarter: U-1 through U-6 4th Quarter: U-1 through U-6
Have Light Non-Aqueous Phase Liquids (LNAPL) Been Measured On-site, Historically?	Yes
Historic Range in Depth to Water (DTW; feet [ft] below top of casing [BTOC] 1Q87 to 2Q10):	12.81 ft (U-6; 3Q94) to 2.71 ft (U-6; 3Q07)
Local Water Supply Wells:	No

CURRENT QUARTER MONITORING DATA

Wells Monitored:	U-1 through U-6
Wells Sampled:	U-1 through U-6
Monitoring and Sampling Date:	June 28, 2010
LNAPL Measured This Quarter:	None
Cumulative LNAPL Recovered to Date:	n/a
DTW Range (ft BTOC):	10.67 ft (U-3) to 4.97 ft (U-2)
Average Change in Groundwater Elevation Since Last Event (ft above mean sea level):	0.51 ft increase
Groundwater Flow Direction and Gradient (ft/ft):	Variable, outward from the site

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	3	144 (U-5)	7,090 (U-1)
Benzene	1	0.64 (U-2)	0.64 (U-2)
MTBE	3	3.8 (U-5)	55.9 (U-2)

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

GROUNDWATER MONITORING AND SAMPLING

Monitoring and Sampling procedures

Semi-annual groundwater monitoring and sampling was conducted at the 76 Service Station No. 5325 on June 28, 2010 by Blaine Tech. Water levels were gauged in each of the six monitoring wells at the site. Measured depth to groundwater and respective groundwater elevations are summarized in **Table 1**.

Monitoring and sampling activities for the site were performed by Blaine Tech and reviewed and certified by a California Professional Geologist.

Groundwater Sample Analysis

Groundwater samples collected from monitoring wells U-1 through U-6 were submitted with chain-of-custody documentation to Pace Analytical Services, Inc. (Pace) in Seattle, WA, a California state-certified laboratory (No. 01153CA). Samples were analyzed for the presence of TPHg by CA LUFT and benzene, toluene, ethylbenzene, and total xylenes (collectively BTEX), MTBE, tertiary amyl-methyl ether (TAME), tertiary butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), and ethanol by Environmental Protection Agency (EPA) Method 8260. In addition, samples were collected from monitoring wells U-1, U-2, and U-4 and analyzed for the presence of antimony, arsenic, barium, beryllium, cadmium, cobalt, iron, lead, manganese, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc by EPA Method 6010, mercury by EPA Method 7470, ferric and ferrous iron by Standard Method (SM) 3500, 5 day biological oxygen demand (BOD) by SM 5210B, chloride and sulfate by EPA Method 300.0, total kjeldahl nitrogen by EPA Method 351.2, NO2/NO3 by EPA Method 353.2, chemical oxygen demand by EPA Method 410.4, and nitrite by SM 4500-NO2.

Quality Assurance/Quality Control

Delta performed a QA/QC data validation check on the Pace analytical results for the June 28, 2010 sampling event. The following data qualifiers were noted on individual well and laboratory control samples:

- Laboratory Data Qualifier "1n": Due to and instrument error, the parent sample was analyzed on a later date. The sample data was reported without further clarification. This data qualifier was noted on 4-Bromofluorobenzene for the Quality Control Data.
- Laboratory Data Qualifier "E": Analyte concentration exceeded the calibration range. The reported result is estimated. The sample data was reported without further clarification. This data qualifier was noted on TPHg and Chemical Oxygen Demand for the Quality Control Data.
- Laboratory Data Qualifier "IS": The internal standard response is below criteria. Results may be biased high. The sample data was reported without further clarification. This data qualifier was noted on TPHg and Chemical Oxygen Demand for the Quality Control Data. This data qualifier was noted on 4-Bromofluorobenzene for the Quality Control Data.
- Laboratory Data Qualifier "IU": The internal standard recoveries associated with this sample exceed the upper control limit. The reported results should be considered estimated values. The sample data was reported without further clarification. This data qualifier was noted on 4-Bromofluorobenzene for the Quality Control Data.
- Laboratory Data Qualifier "L0": Analyte recovery in the laboratory control sample (LCS) was outside QC limits. The sample data was reported without further clarification. This data qualifier was noted on benzene for the sample collected from the Laboratory Control Sample.
- Laboratory Data Qualifier "L3": Analyte recovery in the LCS exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. The sample data was reported without further clarification. This data qualifier was noted on benzene, 1,2-DCA, and DIPE for the samples collected from U-6 and TB1 (trip blank), and 1,2-DCA, DIPE, and Ethanol for the Laboratory Control Sample.
- Laboratory Data Qualifier "M0": Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. The sample data was reported without further clarification. This data qualifier was noted on benzene, 1,2-DCA, DIPE, ethylbenzene, ETBE, MTBE, toluene, and xylene for the sample collected from

U-6, benzene, 1,2-DCA, EDB, DIPE, ethanol, ethylbenzene, ETBE, MTBE, TAME, toluene, and xylene for the matrix spike & matrix spike duplicate.

- Laboratory Data Qualifier "M1": Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. The sample data was reported without further clarification. This data qualifier was noted on manganese, chloride, sulfate, and Nitrogen, Kjeldahl, Total for the sample collected for the matrix spike & matrix spike duplicate.
- Laboratory Data Qualifier "R1": RPD value was outside control limits. The sample data was reported without further clarification. This data qualifier was noted on EDB, 1,2-DCA, benzene, DIPE, ethanol, ETBE, ethylbenzene, MTBE, TAME, TBA, toluene, and xylenes (Total) for the sample collected for the matrix spike & matrix spike duplicate.
- Laboratory Data Qualifier "S0": Surrogate recovery outside laboratory control limits. The sample data was reported without further clarification. This data qualifier was noted on 1,2-Dichloroethane-d4 (S), Dibromofluormethane (S), Toluene-d8 (S) for the sample collected from the matrix spike & matrix spike duplicate.

Purge and Rinse Water Disposal

Approximately 73 gallons of groundwater was generated during this groundwater sampling event and temporarily stored by Blaine Tech in a 2000-gallon poly tank. The generated groundwater was later transported for proper disposal at Seaport Environmental in Redwood City, California. The method of containment and disposal is reported in Blaine Tech's procedures for groundwater sampling is included in **Attachment B**, and a copy of the waste manifest documentation is presented as **Attachment E**.

DISCUSSION AND CONCLUSION

The second quarter 2010 monitoring and sampling event was performed by Blaine Tech on June 28, 2010. Reported depth to groundwater in the site monitoring wells ranged from 4.77 feet (U-6) to 10.67 feet (U-3) below top of casing (TOC). The average groundwater elevation during the June 2010 monitoring event was 1.90 feet, an increase of 0.51 feet from the previous event (December 2009). The groundwater flow direction was interpreted to be to the outward from the central portion of the site. A groundwater elevation contour map is presented as **Figure 3**.

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 U-1 (7,090 (µg/L), U-2 (4,900 µg/L), and U-5 (144 µg/L) during the June 2010 event. These results are consistent with historical data. A dissolved phase TPHg isoconcentration map is presented as **Figure 4**.

Benzene: Benzene was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring well U-2 (0.64 µg/L) during the June 2010 event. These results are lower than historical data. A dissolved phase benzene isoconcentration map is presented as **Figure 5**.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from monitoring wells U-1 (5.1 (µg/L), U-2 (55.9 µg/L), and U-5 (3.8 µg/L) during the June 2010 event. These results are lower than historical data. A dissolved phase MTBE isoconcentration map is presented as **Figure 6**.

CHARACTERIZATION STATUS

Petroleum hydrocarbon impacted soil has been adequately assessed vertically and laterally beneath the site. Petroleum hydrocarbon impacted groundwater has not been adequately delineated off-site to the north. Historical groundwater flow directions are shown on a rose diagram presented as **Figure 7**.

REMEDIATION STATUS

A 3-month ozone sparge event was completed from June through August 2006. TRC completed two quarters of post-remedial groundwater monitoring. Currently there is no on-going remediation at the site.

During the June 2010 groundwater sampling event, Blaine Tech, at the request of Delta, collected groundwater samples from monitoring wells U-1, U-2, and U-4 for additional analysis. These additional analyses were preformed to better assess the groundwater chemistry beneath the site. The data from these analyses are currently being evaluated to assess remedial options to reduce the petroleum hydrocarbon impacted groundwater beneath the site.

RECENT CORRESPONDENCE

There has been no correspondence sent to or received from the Alameda County Health Care Services Agency during this reporting period, January through June 2010.

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.

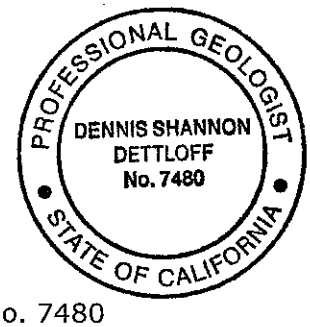
Please contact either of the undersigned at 800-477-7411 if you have questions.

Sincerely,

DELTA CONSULTANTS

Jonathan Fillingame
Staff Geologist

Dennis S. Dettloff, P.G.
Senior Project Manager
California Professional Geologist No. 7480



Figures

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map – June 28, 2010
Figure 4 – Dissolved Phase TPHg Isoconcentration Map – June 28, 2010
Figure 5 – Dissolved Phase Benzene Isoconcentration Map – June 28, 2010
Figure 6 – Dissolved Phase MTBE Isoconcentration Map – June 28, 2010
Figure 7 – Historic Groundwater Flow Directions

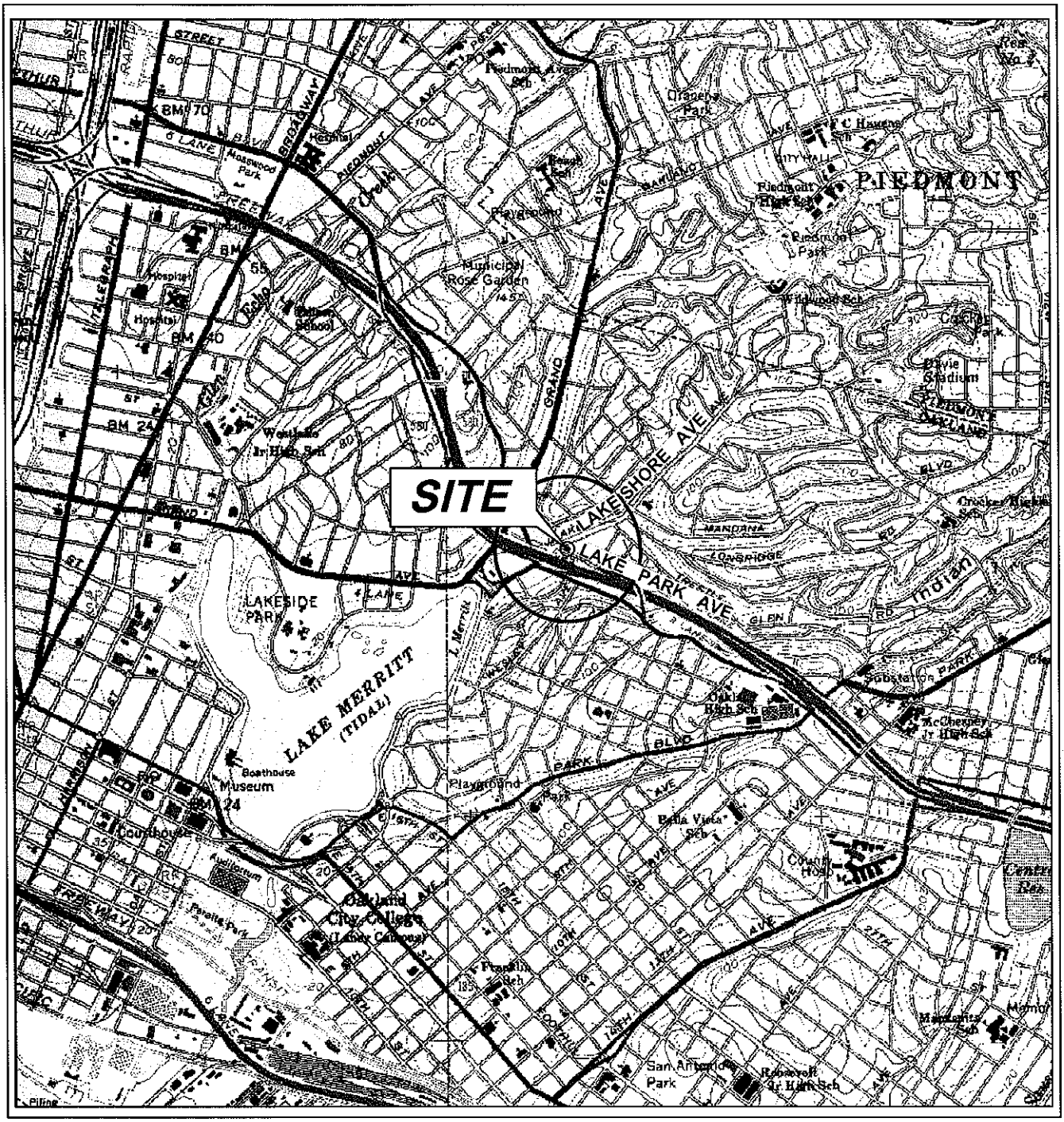
Tables

Table 1 – Current Fluid Levels and Selected Analytical Results
Table 1a – Additional Current Analytical Results
Table 2 – Historical Fluid Levels and Analytical Results
Table 2a – Additional Historical Analytical Results

Attachments

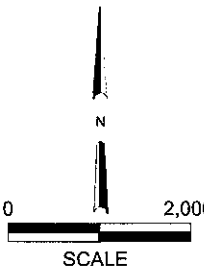
Attachment A – Previous Investigations and Site History Summary
Attachment B – Blaine Tech's Procedures for Groundwater Monitoring and Sampling, and Equipment Decontamination
Attachment C – Groundwater Monitoring and Sampling Field Data Sheets
Attachment D – Groundwater Sampling Certified Laboratory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

Figures



GENERAL NOTES:
BASE MAP FROM 3–D TOPO QUADS
OAKLAND WEST & OAKLAND EAST, CA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP

SITE LOCATION



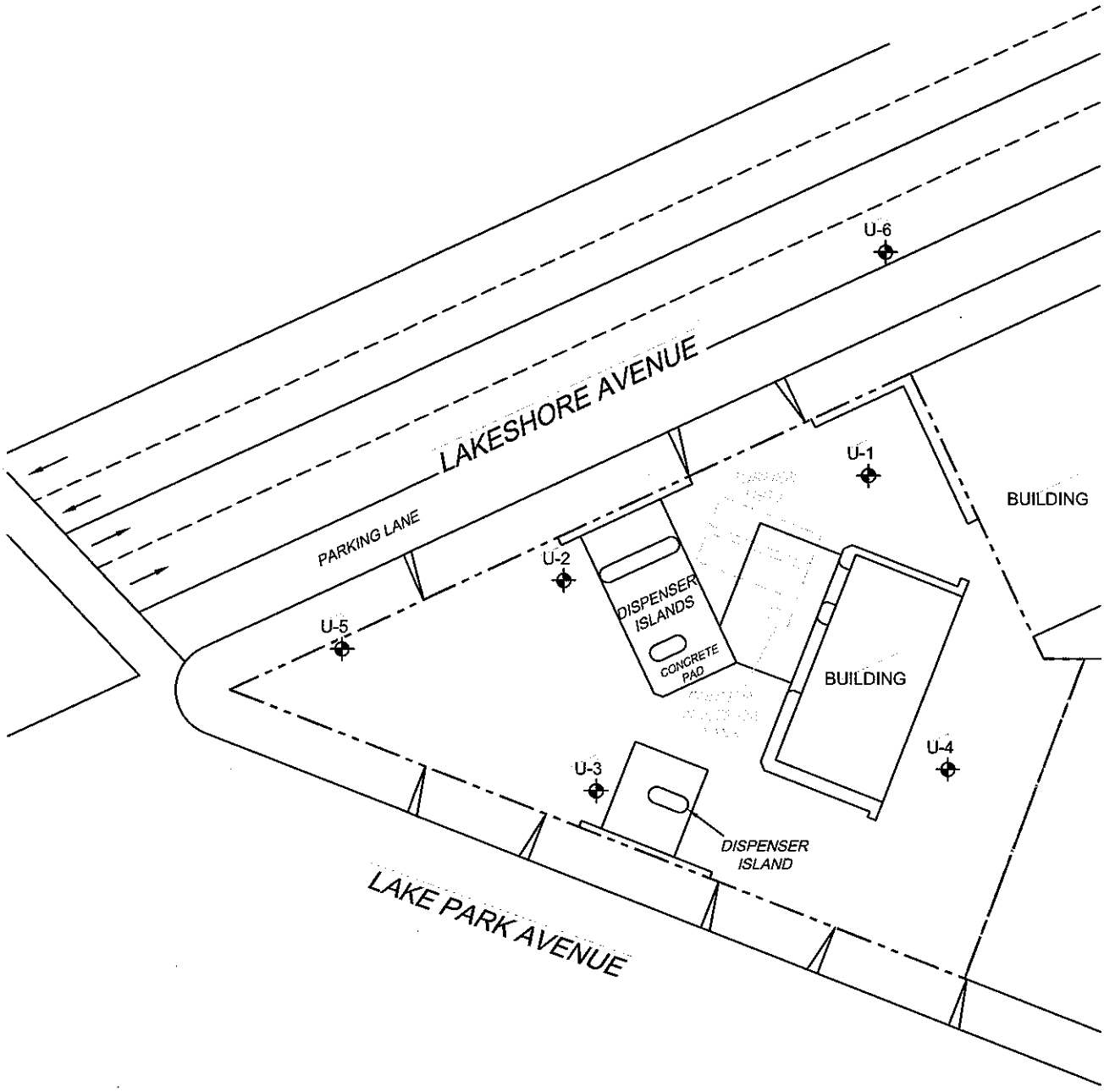
SCALE

FIGURE 1
SITE LOCATION MAP

76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 140255325		DRAWN BY K. MARTIN	
FILE NO. 5325–SLM		PREPARED BY J. FILLINGAME	
DATE 21 JUL 10	REV. 1	REVIEWED BY	

DELTA



EXPLANATION

U-6 ⊕ GROUNDWATER MONITORING WELL LOCATION

N

0 40'

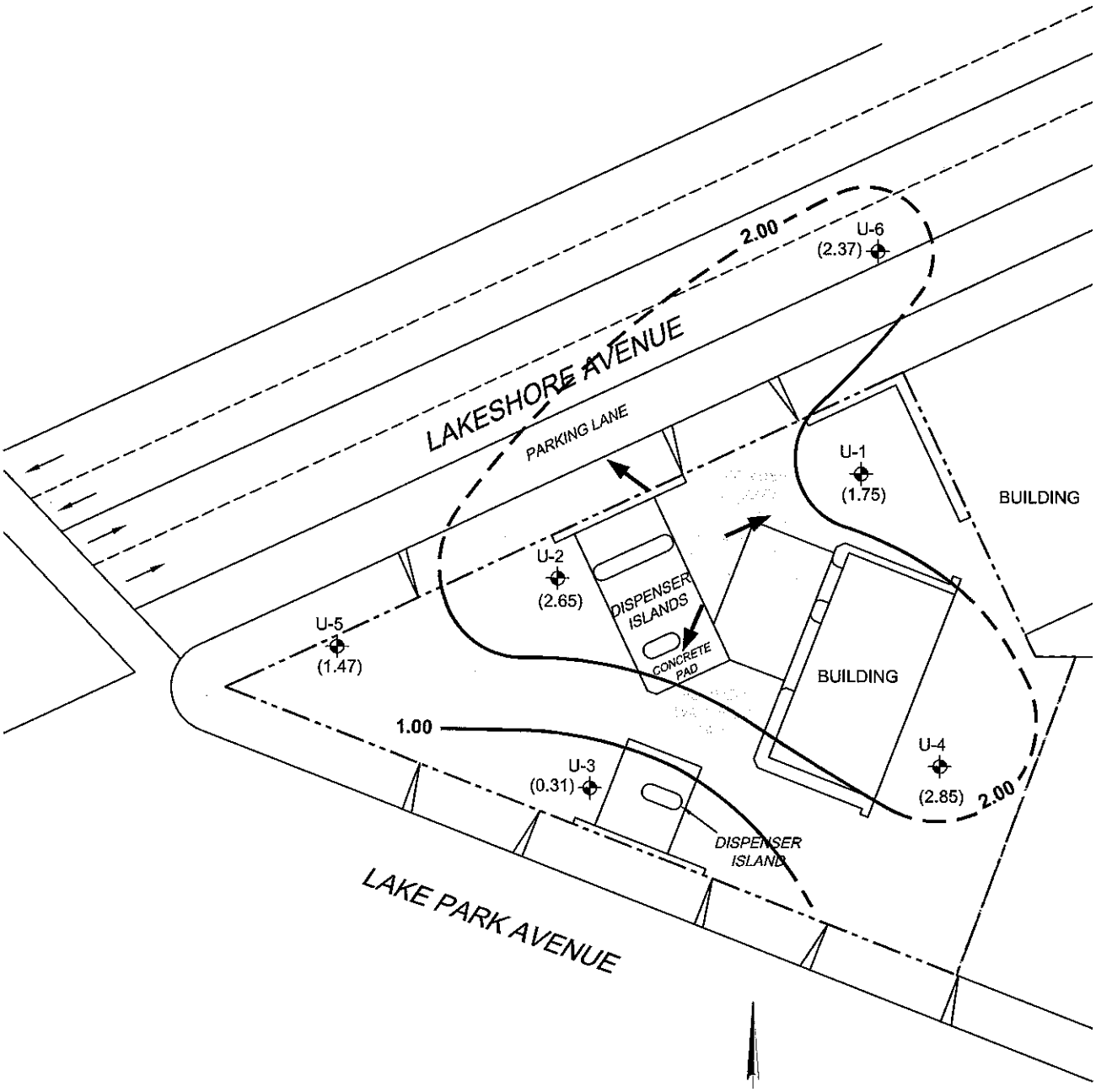
SCALE

REFERENCE: TRC

FIGURE 2
SITE MAP

76 STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 140255325		DRAWN BY K. MARTIN	DELTA
FILE NO. 5325-SM		PREPARED BY J. FILLINGAME	
DATE 30 DEC 09	REV. 0	REVIEWED BY	



EXPLANATION

U-6 ⊕ GROUNDWATER MONITORING WELL LOCATION

(2.65) GROUNDWATER ELEVATION IN FEET ABOVE SEA LEVEL

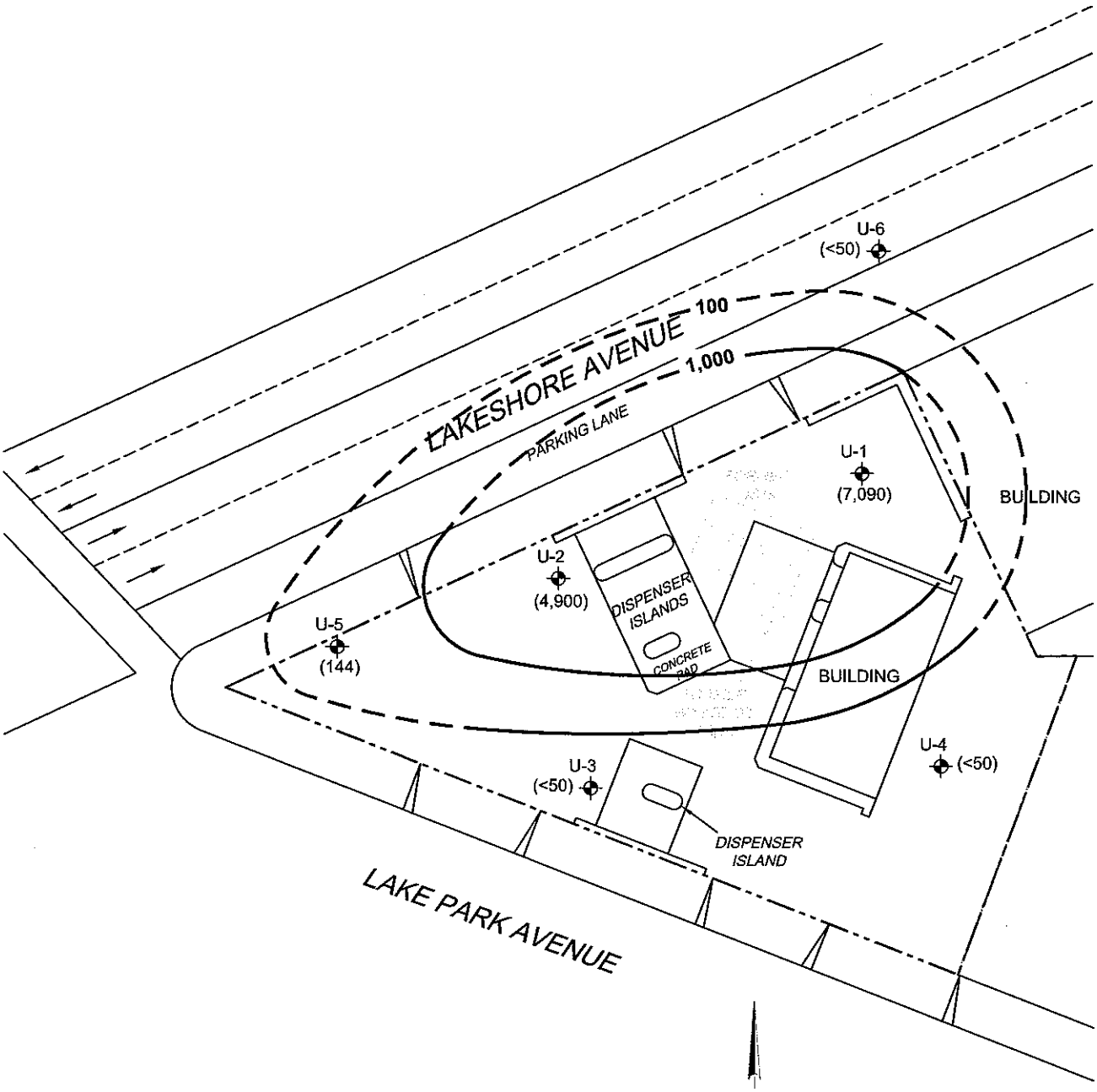
2.00 —— GROUNDWATER CONTOUR LINE IN FEET ABOVE SEA LEVEL; DASHED WHERE INFERRED (CONTOUR INTERVAL: 1.00 FT)

→ GENERAL DIRECTION OF GROUNDWATER FLOW

REFERENCE: TRC

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
JUNE 28, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 140255325		DRAWN BY KM/JH	DELTA
FILE NO. 5325-SM		PREPARED BY J. FILLINGAME	
DATE 19 JUL 10	REV. 0	REVIEWED BY	



EXPLANATION

U-6 ⊕ GROUNDWATER MONITORING WELL LOCATION

(144) DISSOLVED PHASE TPHg ISOCONCENTRATION (ug/L)

100 ——— DISSOLVED PHASE TPHg ISOCONTOUR LINE (ug/L) -DASHED WHERE INFERRED

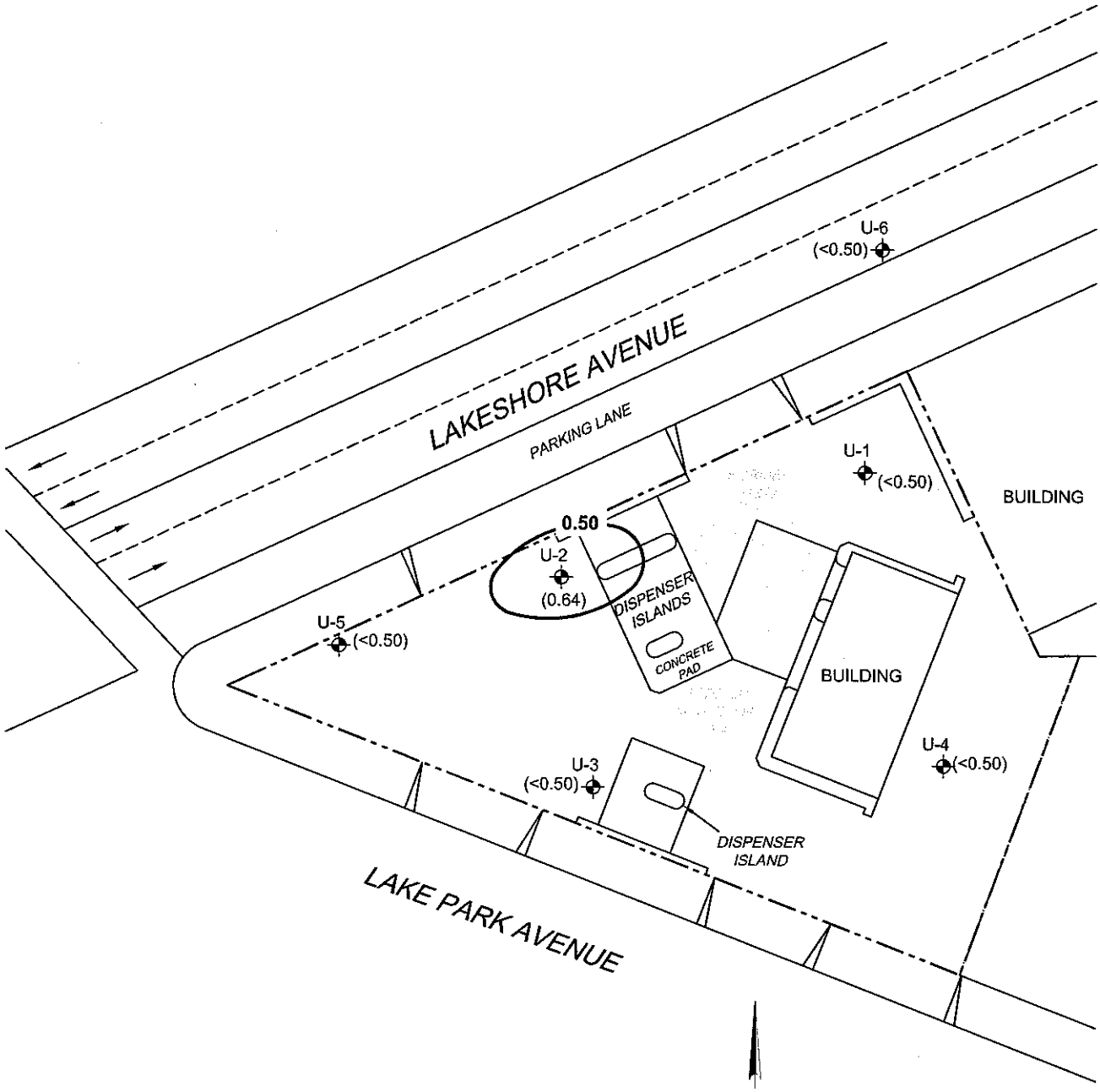
NOTES:
ug/L = MICROGRAMS PER LITER
<50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS
TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

REFERENCE: TRC

FIGURE 4
DISSOLVED PHASE TPHg ISOCONCENTRATON MAP
JUNE 28, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.		DRAWN BY
140255325		KM/JH
FILE NO.		PREPARED BY
5325-SM		J. FILLINGAME
DATE	REV.	REVIEWED BY
19 JUL 10	0	

DELTA



EXPLANATION

U-6 ⊕ GROUNDWATER MONITORING WELL LOCATION

(0.64) DISSOLVED PHASE BENZENE ISOCONCENTRATION (ug/L)

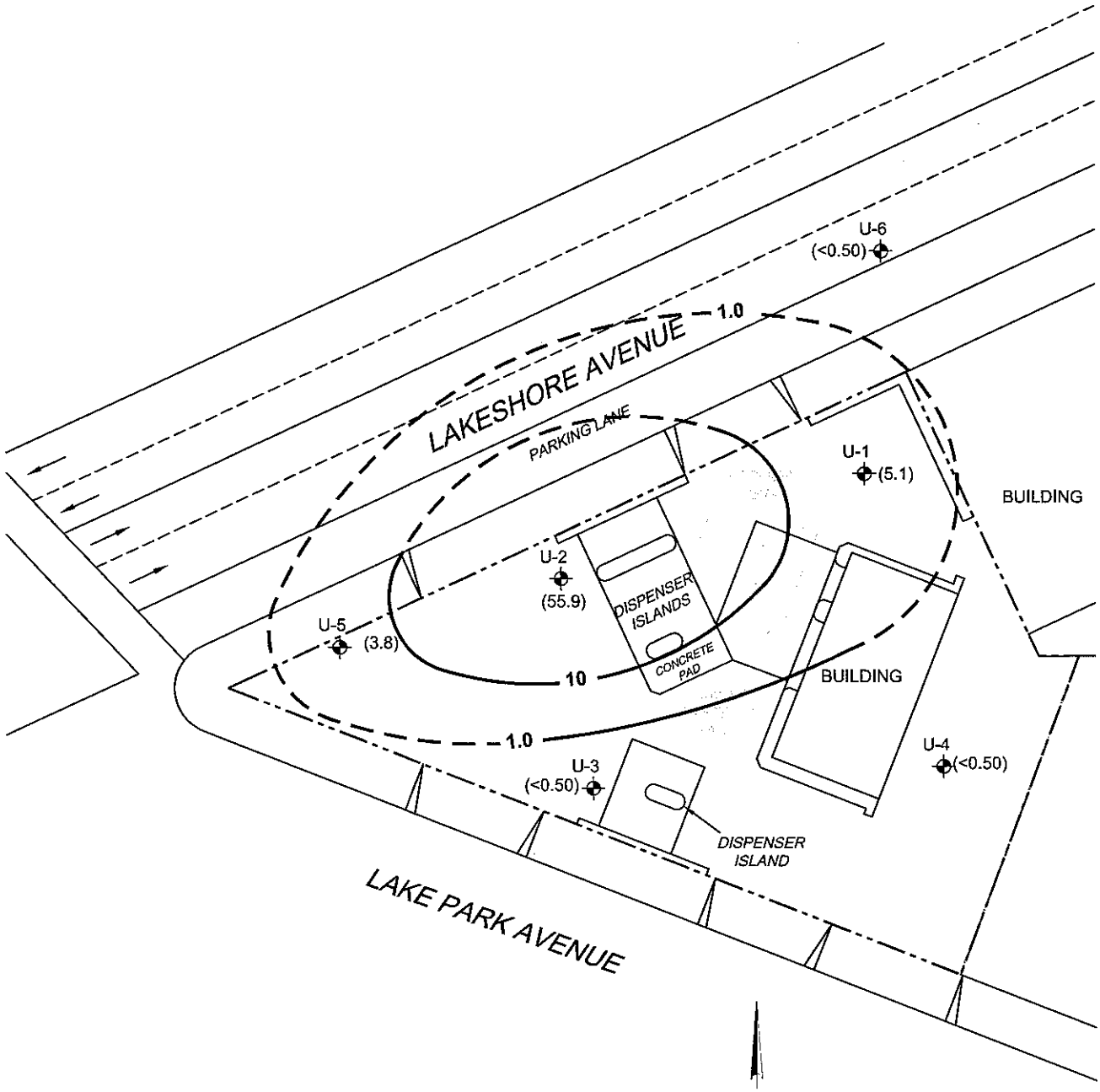
0.50 —— DISSOLVED PHASE BENZENE ISOCONTOUR LINE (ug/L)

NOTES:
ug/L = MICROGRAMS PER LITER
<0.50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS

REFERENCE: TRC

FIGURE 5
DISSOLVED PHASE BENZENE ISOCONCENTRATON MAP
JUNE 28, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO. 140255325		DRAWN BY KM/JH	
FILE NO. 5325-SM		PREPARED BY J. FILLINGAME	
DATE 19 JUL 10	REV. 0	REVIEWED BY	DELTA



EXPLANATION

U-6 ⊕ GROUNDWATER MONITORING WELL LOCATION

(3.8) DISSOLVED PHASE BENZENE ISOCONCENTRATION (ug/L)

1.0 —— DISSOLVED PHASE BENZENE ISOCONTOUR LINE (ug/L)

NOTES:
ug/L = MICROGRAMS PER LITER
<0.50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS
MTBE = METHYL TERTIARY BUTYL ETHER

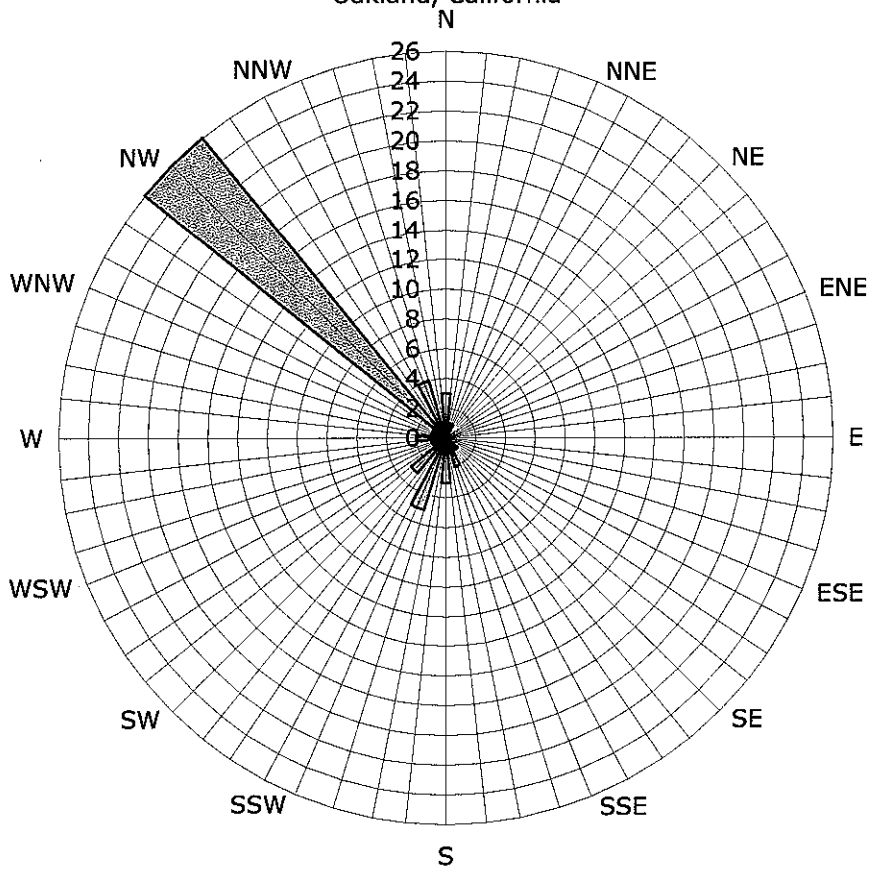
REFERENCE: TRC

FIGURE 6
DISSOLVED PHASE MTBE ISOCONCENTRATON MAP
JUNE 28, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE AVENUE
OAKLAND, CALIFORNIA

PROJECT NO.		DRAWN BY
140255325		KM/JH
FILE NO.		PREPARED BY
5325-SM		J. FILLINGAME
DATE	REV.	REVIEWED BY
19 JUL 10	0	

DELTA

Figure 7
Historic Groundwater Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, California



Legend
Groundwater flow directions are based on data from the Third Quarter 1990 to the Seceond Quarter 2010. 52 data points shown.

Groundwater Flow Direction

Tables

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Station 5325

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8260B) (µg/l)	TBA (µg/L) (µg/l)	ETBE (µg/L) (µg/l)	TAME (µg/L) (µg/l)	DIPE (µg/L) (µg/l)	Ethanol (µg/L) (µg/l)	1,2-DCA (µg/L) (µg/l)	EDB (µg/L) (µg/l)	Comments
U-1																		
6/28/2010	8.46	**6.71**	0	**1.75**	**7090**	<0.50	<0.50	**2.1**	**2.2**	**5.1**	**1110**	<0.50	<0.50	<0.50	<250	<1.0	<1.0	
U-2																		
6/28/2010	7.62	**4.97**	0	**2.65**	**4900**	**0.64**	<0.50	**18.5**	<1.5	**55.9**	**3750**	<0.50	<0.50	<0.50	<250	<1.0	<1.0	
U-3																		
6/28/2010	10.98	**10.67**	0	**0.31**	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<5.0	<0.50	<0.50	<0.50	<250	<1.0	<1.0	
U-4																		
6/28/2010	11.15	**8.30**	0	**2.85**	<50	<0.50	<0.50	<0.50	<1.5	<0.50	<5.0	<0.50	<0.50	<0.50	<250	<1.0	<1.0	
U-5																		
6/28/2010	6.98	**5.51**	0	**1.47**	**144**	<0.50	<0.50	<0.50	<1.5	**3.8**	**66.6**	<0.50	<0.50	<0.50	<250	<1.0	<1.0	
U-6																		
6/28/2010	7.14	**4.77**	0	**2.37**	<50	<0.50	<0.50	<0.50	<1.5	<0.50	**11.4**	<0.50	<0.50	<0.50	<250	<1.0	<1.0	

Notes:

TPH-GRO: Total petroleum hydrocarbons as Gasoline
MTBE: Methyl tertiary-butyl ether
TBA: Tertiary-butyl alcohol
ETBE: Ethyl tertiary-butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Di-isopropyl ether

µg/L: micrograms per liter
<: Below the laboratory's indicated reporting limits
1,2-DCA: 1,2-Dichloroethane
EDB: Dibromoethane

Groundwater elevation based on differential between top of casing and depth to groundwater.

Table 1a
ADDITIONAL CURRENT ANALYTICAL RESULTS

June 28, 2010
76 Station 5325

Date Sampled	Ferric Iron (µg/l)	Ferrous Iron (µg/l)	Iron (µg/l)	Arsenic (µg/l)	Barium (µg/l)	Lead (µg/l)	Manganese (µg/l)	Molybdenum (µg/l)	Nitrate (µg/l)	Nitrite (µg/l)	NO2 + NO3 (µg/l)	Kjeldahl (µg/l)	BOD, 5 day (µg/l)	COD (µg/l)	Chloride (µg/l)	Sulfate (µg/l)	Comments
U-1																	
6/28/2010	**23700**	**4000**	**27700**	**52.5**	**293**	**13.2**	**3290**	<20	<50	**131**	**112**	**8800**	**23400**	**113000**	**43800**	<1000	
U-2																	
6/28/2010	**2560**	**3200**	<10	**100**	**264**	**5760**	**5180**	**60.3**	**62.1**	**19.4**	**81.5**	**4330**	**12300**	**62100**	**74000**	**96000**	
U-3																	
6/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U-4																	
6/28/2010	**395**	<100	**395**	<10	<100	<10	19.7	<20.0	**4870**	<10	**4880**	<1000	<2000	<5000	**41100**	**82700**	
U-5																	
6/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U-6																	
6/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:

COD: Chemical Oxygen Demand
BOD: Biological Oxygen Demand
NA: Not Analyzed

µg/L: micrograms per liter
<: Below the laboratory's indicated reporting limits

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-1															
	8/10/1990	--	--	--	--	--	690	--	38	75	8.6	130	--	--	
	1/7/1991	--	--	--	--	--	250	--	22	16	4.2	17	--	--	
	4/1/1991	--	--	--	--	--	160	--	13	8.6	1.0	15	--	--	
	7/3/1991	--	--	--	--	--	140	--	21	4.3	0.36	17	--	--	
	10/9/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	2/12/1992	--	--	--	--	--	250	--	ND	ND	ND	ND	--	--	
	5/5/1992	--	--	--	--	--	230	--	1.2	ND	ND	ND	--	--	
	6/11/1992	--	--	--	--	--	1000	--	80	1.4	6.7	41	--	--	
	8/20/1992	--	--	--	--	--	400	--	1.0	ND	ND	0.6	--	--	
	2/22/1993	--	--	--	--	--	34000	--	1400	5500	910	7300	--	--	
	5/7/1993	--	--	--	--	--	8700	--	600	240	650	3300	--	--	
	8/8/1993	--	--	--	--	--	4900	--	79	ND	832	270	--	--	
	11/16/1993	5.32	8.61	0	-3.29	--	690	--	ND	ND	ND	ND	--	--	
	2/16/1994	5.32	8.54	0	-3.22	0.07	6800	--	ND	ND	ND	ND	--	--	
	6/22/1994	8.46	8.39	0	0.07	3.29	200	--	ND	ND	5.9	21	--	--	
	9/22/1994	8.46	8.66	0	-0.20	-0.27	6100	--	ND	ND	ND	ND	--	--	
	12/24/1994	8.46	8.04	0	0.42	0.62	50000	--	2500	9700	2400	17000	--	--	
	3/25/1995	8.46	7.72	0.37	1.02	0.60	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	6/21/1995	8.46	9.30	0.2	-0.69	-1.71	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	9/19/1995	8.46	9.29	0.4	-0.53	0.16	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	12/19/1995	8.46	8.98	0.03	-0.50	0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	3/18/1996	8.46	8.25	0	0.21	0.71	27000	--	ND	2300	1400	11000	4900	--	
	6/27/1996	8.46	7.92	0	0.54	0.33	120000	--	540	4300	2600	26000	ND	--	
	9/26/1996	8.46	9.10	0.02	-0.63	-1.17	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	12/9/1996	8.46	6.88	0.03	1.60	2.23	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	3/14/1997	8.46	9.02	0.55	-0.15	-1.75	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	6/30/1997	8.46	8.41	0.02	0.07	0.21	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	9/19/1997	8.46	8.56	0.02	-0.09	-0.15	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	12/12/1997	8.46	8.58	0.01	-0.11	-0.03	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	3/3/1998	8.46	8.23	0.04	0.26	0.37	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	6/15/1998	8.46	8.37	0	0.09	-0.17	52000	--	ND	900	1800	13000	ND	--	Sheen
	9/30/1998	8.46	8.94	0	-0.48	-0.57	1000000	--	ND	2600	13000	83000	4800	--	Sheen
	12/28/1998	8.46	8.57	0	-0.11	0.37	1100000	--	ND	1600	8600	71000	5700	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
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	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-1	3/22/1999	8.46	8.18	0	0.28	0.39	130000	--	470	1100	2000	28000	5700	--	Sheen
	6/9/1999	8.46	9.37	0	-0.91	-1.19	40000	--	230	640	590	13000	3500	2100	
	9/8/1999	8.46	9.53	0	-1.07	-0.16	55000	--	217	202	745	14300	6890	6690	
	12/7/1999	8.46	9.67	0	-1.21	-0.14	41200	--	89.3	ND	385	6930	15800	14700	
	3/13/2000	8.46	8.44	0	0.02	1.23	48000	--	490	610	2400	10000	22000	23000	
	6/21/2000	8.46	9.45	0	-0.99	-1.01	37000	--	200	ND	1200	7200	15000	20000	
	9/27/2000	8.46	9.29	0	-0.83	0.16	15000	--	92	ND	540	2800	74000	83000	
	12/12/2000	8.46	9.37	0	-0.91	-0.08	50000	--	ND	ND	250	1900	12000	15000	
	3/7/2001	8.46	8.45	0	0.01	0.92	6220	--	29.8	10.4	96.3	638	11200	11800	
	6/6/2001	8.46	9.29	0	-0.83	-0.84	5200	--	17	ND	69	420	6500	8700	
	9/24/2001	8.46	9.39	0	-0.93	-0.10	4300	--	36	ND<25	65	590	4400	4400	
	12/10/2001	8.46	9.17	0	-0.71	0.22	11000	--	220	ND<100	380	1500	5100	5100	
	3/11/2002	8.46	9.44	0	-0.98	-0.27	5500	--	28	ND<20	360	690	6400	6300	
	6/4/2002	8.46	8.32	0	0.14	1.12	4600	--	31	ND<10	240	180	6500	--	
	9/3/2002	8.46	9.36	0	-0.90	-1.04	2300	--	ND<12	ND<12	ND<12	68	3500	4700	
	12/3/2002	8.46	8.18	0	0.28	1.18	--	ND<5000	ND<50	ND<50	ND<50	<100	--	4700	
	3/4/2003	8.46	8.29	0	0.17	-0.11	--	8900	26	ND<25	400	130	--	5500	
	6/18/2003	8.46	7.58	0	0.88	0.71	--	8300	ND<25	ND<25	ND<25	ND<50	--	10000	
	9/24/2003	8.46	8.18	0	0.28	-0.60	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
	12/2/2003	8.46	8.90	0	-0.44	-0.72	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	11000	
	3/30/2004	8.46	8.38	0	0.08	0.52	--	12000	ND<100	ND<100	190	ND<200	--	13000	
	6/7/2004	8.46	10.35	0	-1.89	-1.97	--	13000	ND<100	ND<100	ND<100	ND<200	--	12000	
	9/9/2004	8.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
	12/20/2004	8.46	9.00	0	-0.54	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.2	
	3/28/2005	8.46	8.10	0	0.36	0.90	--	37000	ND<10	ND<10	1500	5300	--	460	
	6/14/2005	8.46	8.91	0	-0.45	-0.81	--	3900	ND<0.50	ND<0.50	48	68	--	60	
	9/28/2005	8.46	11.35	0	-2.89	-2.44	--	560	ND<0.50	0.60	3.0	26	--	18	
	12/29/2005	8.46	8.58	0	-0.12	2.77	--	510	0.77	ND<0.50	27	63	--	62	
	3/27/2006	8.46	7.20	0	1.26	1.38	--	29000	ND<25	ND<25	1500	4900	--	300	
	6/12/2006	8.46	7.81	0	0.65	-0.61	--	3200	ND<0.50	ND<0.50	42	15	--	56	
	9/21/2006	8.46	8.04	0	0.42	-0.23	--	2600	ND<12	ND<12	ND<12	ND<12	--	30	
	12/21/2006	8.46	8.32	0	0.14	-0.28	--	2000	ND<0.50	ND<0.50	13	2.2	--	53	
	3/28/2007	8.46	6.17	0	2.29	2.15	--	12000	ND<2.5	ND<2.5	690	1900	--	110	
	6/27/2007	8.46	5.39	0	3.07	0.78	--	13000	2.8	ND<2.5	960	1300	--	79	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
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	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-1	9/26/2007	8.46	5.32	0	3.14	0.07	--	6900	2.6	ND<2.5	310	680	--	44	
	12/27/2007	8.46	8.12	0	0.34	-2.80	--	5900	ND<2.5	ND<2.5	290	130	--	42	
	3/26/2008	8.46	7.84	0	0.62	0.28	--	3500	ND<2.5	ND<2.5	100	18	--	30	
	6/18/2008	8.46	7.04	0	1.42	0.80	--	8400	ND<5.0	ND<5.0	230	86	--	26	
	9/24/2008	8.46	6.90	0	1.56	0.14	--	6000	3.3	ND<2.5	170	86	--	78	
	12/22/2008	8.46	7.70	0	0.76	-0.80	--	6400	0.64	ND<0.50	95	7.0	--	12	
	3/26/2009	8.46	7.55	0	0.91	0.15	--	5700	ND<2.5	ND<2.5	72	6.5	--	10	
	6/23/2009	8.46	6.80	0	1.66	0.75	--	4000	ND<2.5	ND<2.5	41	ND<5.0	--	10	
	12/4/2009	8.46	7.30	0	1.16	-0.50	--	8330	0.56	<0.50	13.5	1.6	--	10.9	
	6/28/2010	**8.46**	**6.71**	**0**	**1.75**	**0.59**	--	**7090**	**ND<0.50**	**ND<0.50**	**2.1**	**2.2**	--	**5.1**	
U-2															
	8/10/1990	--	--	--	--	--	780	--	27	46	15	130	--	--	
	1/7/1991	--	--	--	--	--	1900	--	67	5.8	58	69	--	--	
	4/1/1991	--	--	--	--	--	1700	--	250	89	34	190	--	--	
	7/3/1991	--	--	--	--	--	2100	--	150	25	3.1	290	--	--	
	10/9/1991	--	--	--	--	--	230	--	7.1	ND	ND	11	--	--	
	2/12/1992	--	--	--	--	--	410	--	1.9	ND	0.36	0.4	--	--	
	5/5/1992	--	--	--	--	--	1600	--	120	52	6.2	290	--	--	
	6/11/1992	--	--	--	--	--	620	--	17	2.1	ND	37	--	--	
	8/20/1992	--	--	--	--	--	700	--	28	6.5	1.3	4.6	--	--	
	2/22/1993	--	--	--	--	--	3400	--	2400	2100	1200	5800	--	--	
	5/7/1993	--	--	--	--	--	17000	--	1800	660	1700	4000	--	--	
	8/8/1993	--	--	--	--	--	5600	--	420	ND	410	670	--	--	
	11/16/1993	4.53	8.17	0	-3.64	--	510	--	ND	ND	ND	ND	--	--	
	2/16/1994	4.53	7.73	0	-3.20	0.44	980	--	49	13	2.7	40	--	--	
	6/22/1994	7.62	7.60	0	0.02	3.22	31000	--	2200	62	1500	3500	--	--	
	9/22/1994	7.62	7.93	0	-0.31	-0.33	8500	--	29	ND	ND	ND	--	--	
	12/24/1994	7.62	7.27	0	0.35	0.66	32000	--	1500	890	1300	5000	--	--	
	3/25/1995	7.62	7.01	0	0.61	0.26	170000	--	1900	21000	4800	33000	--	--	
	6/21/1995	7.62	6.98	0	0.64	0.03	16000	--	2100	ND	1800	1700	--	--	
	9/19/1995	7.62	7.70	0	-0.08	-0.72	3000	--	610	ND	78	240	--	--	
	12/19/1995	7.62	7.30	0	0.32	0.40	1600	--	140	55	52	270	--	--	
	3/18/1996	7.62	6.45	0	1.17	0.85	12000	--	2200	ND	1200	2200	22000	--	
	6/27/1996	7.62	7.41	0	0.21	-0.96	28000	--	3400	ND	2800	3100	3000	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-2	9/26/1996	7.62	7.90	0	-0.28	-0.49	5900	--	750	ND	ND	ND	18000	--	
	12/9/1996	7.62	6.76	0	0.86	1.14	13000	--	5100	290	980	370	2700	--	
	3/14/1997	7.62	7.12	0.03	0.52	-0.34	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	6/30/1997	7.62	6.19	0	1.43	0.91	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	9/19/1997	7.62	7.31	0	0.31	-1.12	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	12/12/1997	7.62	6.75	0	0.87	0.56	--	--	--	--	--	--	--	--	Not sampled due to LPH in well
	3/3/1998	7.62	6.36	0	1.26	0.39	80000	--	3000	1100	820	16000	16000	--	Sheen
	6/15/1998	7.62	6.51	0	1.11	-0.15	48000	--	1800	330	470	7900	20000	--	Sheen
	9/30/1998	7.62	7.17	0	0.45	-0.66	60000	--	1300	ND	500	9700	19000	--	Sheen
	12/28/1998	7.62	7.06	0	0.56	0.11	63000	--	590	160	320	5600	16000	--	
	3/22/1999	7.62	6.82	0	0.80	0.24	28000	--	1100	ND	360	2900	25000	--	
	6/9/1999	7.62	7.51	0	0.11	-0.69	21000	--	110	190	310	2600	7900	7800	
	9/8/1999	7.62	8.16	0	-0.54	-0.65	23300	--	477	138	286	4110	16400	15300	
	12/7/1999	7.62	8.31	0	-0.69	-0.15	4840	--	17.2	ND	ND	157	14900	15600	
	3/13/2000	7.62	6.69	0	0.93	1.62	11000	--	380	160	ND	2100	22000	26000	
	6/21/2000	7.62	7.67	0	-0.05	-0.98	9100	--	22	ND	ND	800	16000	22000	
	9/27/2000	7.62	7.44	0	0.18	0.23	2900	--	43	ND	ND	39	20000	26000	
	12/12/2000	7.62	7.51	0	0.11	-0.07	3600	--	17	ND	ND	87	8000	7800	
	3/7/2001	7.62	7.15	0	0.47	0.36	1670	--	51.0	ND	7.20	19.5	5930	7900	
	6/6/2001	7.62	7.57	0	0.05	-0.42	1100	--	14	ND	9.3	35	9200	10000	
	9/24/2001	7.62	7.63	0	-0.01	-0.06	1000	--	25	ND<2.5	12	100	9800	11000	
	12/10/2001	7.62	6.78	0	0.84	0.85	83	--	14	0.55	3.4	6.8	2500	2500	
	3/11/2002	7.62	7.12	0	0.50	-0.34	ND<1000	--	28	ND<10	40	31	11000	11000	
	6/4/2002	7.62	7.18	0	0.44	-0.06	7700	--	32	ND<25	33	48	14000	--	
	9/3/2002	7.62	7.58	0	0.04	-0.40	5200	--	ND<25	ND<25	ND<25	ND<25	11000	15000	
	12/3/2002	7.62	7.68	0	-0.06	-0.10	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	3200	
	3/4/2003	7.62	7.77	0	-0.15	-0.09	--	8100	ND<50	ND<50	ND<50	ND<100	--	7800	
	6/18/2003	7.62	6.87	0	0.75	0.90	--	11000	ND<50	ND<50	ND<50	ND<100	--	16000	
	9/24/2003	7.62	7.49	0	0.13	-0.62	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
	12/2/2003	7.62	7.95	0	-0.33	-0.46	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	10000	
	3/30/2004	7.62	7.07	0	0.55	0.88	--	12000	ND<100	ND<100	ND<100	ND<200	--	11000	
	6/7/2004	7.62	7.75	0	-0.13	-0.68	--	14000	ND<100	ND<100	ND<100	ND<200	--	13000	
	9/9/2004	7.62	8.65	0	-1.03	-0.90	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	9500	
	12/20/2004	7.62	7.73	0	-0.11	0.92	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	11000	

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U-2	3/28/2005	7.62	6.24	0	1.38	1.49	--	12000	ND<50	ND<50	160	120	--	7000	
	6/14/2005	7.62	7.05	0	0.57	-0.81	--	2000	0.75	ND<0.50	3.7	1.1	--	2400	
	9/28/2005	7.62	8.00	0	-0.38	-0.95	--	320	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	80	
	12/29/2005	7.62	7.23	0	0.39	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	35	
	3/27/2006	7.62	5.31	0	2.31	1.92	--	2400	31	0.73	120	15	--	1400	
	6/12/2006	7.62	6.25	0	1.37	-0.94	--	ND<1200	ND<12	ND<12	17	ND<25	--	490	
	9/21/2006	7.62	6.00	0	1.62	0.25	--	440	6.1	ND<0.50	1.7	ND<0.50	--	1100	
	12/21/2006	7.62	6.08	0	1.54	-0.08	--	670	10	ND<0.50	52	1.2	--	730	
	3/28/2007	7.62	5.05	0	2.57	1.03	--	3300	36	ND<5.0	200	6.8	--	1200	
	6/27/2007	7.62	4.80	0	2.82	0.25	--	5100	94	ND<5.0	640	7.1	--	1100	
	9/26/2007	7.62	4.73	0	2.89	0.07	--	3900	54	ND<5.0	240	240	--	670	
	12/27/2007	7.62	5.80	0	1.82	-1.07	--	2200	21	ND<5.0	77	16	--	470	
	3/26/2008	7.62	5.62	0	2.00	0.18	--	4300	45	ND<2.5	210	77	--	580	
	6/18/2008	7.62	5.30	0	2.32	0.32	--	5400	31	ND<5.0	270	38	--	250	
	9/24/2008	7.62	5.10	0	2.52	0.20	--	4400	24	ND<0.50	190	24	--	300	
	12/22/2008	7.62	4.98	0	2.64	0.12	--	6200	24	ND<0.50	160	31	--	160	
	3/26/2009	7.62	5.17	0	2.45	-0.19	--	5200	8.9	ND<2.5	47	22	--	150	
	6/23/2009	7.62	4.90	0	2.72	0.27	--	2900	11	ND<2.5	140	7.2	--	150	
	12/4/2009	7.62	5.13	0	2.49	-0.23	--	7410	3.5	<0.50	105	8.5	--	83.4	
	6/28/2010	**7.62**	**4.97**	**0**	**2.65**	**0.16**	**--**	**4900**	**0.64**	**<0.50**	**2.1**	**<1.5**	**--**	**5.1**	
U-3															
	8/10/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	1/7/1991	--	--	--	--	--	ND	--	ND	ND	ND	1.8	--	--	
	4/1/1991	--	--	--	--	--	ND	--	1.0	2.9	0.53	5.4	--	--	
	7/3/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	10/9/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	2/12/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	5/5/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	6/11/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	8/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	2/22/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	5/7/1993	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
	8/8/1993	--	--	--	--	--	210	--	5.0	9.7	0.7	4.1	--	--	
	11/16/1993	7.86	11.82	0	-3.96	--	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-3	2/16/1994	7.86	11.62	0	-3.76	0.20	ND	--	ND	ND	ND	ND	--	--	
	6/22/1994	10.98	11.64	0	-0.66	3.10	ND	--	ND	ND	ND	ND	--	--	
	9/22/1994	10.98	11.76	0	-0.78	-0.12	ND	--	ND	ND	ND	ND	--	--	
	12/24/1994	10.98	11.28	0	-0.30	0.48	ND	--	ND	ND	ND	ND	--	--	
	3/25/1995	10.98	10.96	0	0.02	0.32	ND	--	ND	ND	ND	ND	--	--	
	6/21/1995	10.98	11.37	0	-0.39	-0.41	ND	--	ND	ND	ND	ND	--	--	
	9/19/1995	10.98	11.55	0	-0.57	-0.18	ND	--	ND	ND	ND	ND	--	--	
	12/19/1995	10.98	11.45	0	-0.47	0.10	ND	--	ND	ND	ND	ND	--	--	
	3/18/1996	10.98	11.10	0	-0.12	0.35	ND	--	ND	ND	ND	ND	--	--	
	6/27/1996	10.98	11.16	0	-0.18	-0.06	440	--	49	50	51	140	50	--	
	9/26/1996	10.98	11.55	0	-0.57	-0.39	ND	--	ND	ND	ND	ND	ND	--	
	12/9/1996	10.98	10.12	0	0.86	1.43	ND	--	ND	ND	ND	ND	29	--	
	3/14/1997	10.98	10.87	0	0.11	-0.75	ND	--	ND	ND	ND	ND	ND	--	
	6/30/1997	10.98	11.08	0	-0.10	-0.21	ND	--	ND	ND	ND	ND	ND	--	
	9/19/1997	10.98	11.05	0	-0.07	0.03	ND	--	ND	ND	ND	ND	ND	--	
	12/12/1997	10.98	10.58	0	0.40	0.47	ND	--	ND	ND	ND	ND	ND	--	
	3/3/1998	10.98	9.84	0	1.14	0.74	ND	--	ND	ND	ND	ND	ND	--	
	6/15/1998	10.98	10.56	0	0.42	-0.72	ND	--	ND	ND	ND	ND	ND	--	
	9/30/1998	10.98	11.12	0	-0.14	-0.56	ND	--	ND	ND	ND	ND	ND	--	
	12/28/1998	10.98	10.96	0	0.02	0.16	ND	--	ND	ND	ND	ND	ND	--	
	3/22/1999	10.98	9.46	0	1.52	1.50	ND	--	ND	ND	ND	ND	ND	--	
	6/9/1999	10.98	11.01	0	-0.03	-1.55	ND	--	ND	ND	ND	ND	ND	--	
	9/8/1999	10.98	11.31	0	-0.33	-0.30	ND	--	ND	ND	ND	ND	ND	--	
	12/7/1999	10.98	11.26	0	-0.28	0.05	ND	--	ND	ND	ND	ND	ND	--	
	3/13/2000	10.98	8.28	0	2.70	2.98	ND	--	ND	ND	ND	ND	ND	--	
	6/21/2000	10.98	11.12	0	-0.14	-2.84	ND	--	ND	ND	ND	ND	ND	--	
	9/27/2000	10.98	11.07	0	-0.09	0.05	ND	--	ND	ND	ND	ND	ND	--	
	12/12/2000	10.98	10.94	0	0.04	0.13	ND	--	ND	ND	ND	ND	ND	--	
	3/7/2001	10.98	8.32	0	2.66	2.62	ND	--	ND	ND	ND	ND	ND	--	
	6/6/2001	10.98	10.94	0	0.04	-2.62	ND	--	ND	ND	ND	ND	ND	--	
	9/24/2001	10.98	11.03	0	-0.05	-0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	12/10/2001	10.98	8.16	0	2.82	2.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	3/11/2002	10.98	7.82	0	3.16	0.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
	6/4/2002	10.98	10.58	0	0.40	-2.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-3	9/3/2002	10.98	10.94	0	0.04	-0.36	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	12/3/2002	10.98	10.66	0	0.32	0.28	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	3/4/2003	10.98	10.76	0	0.22	-0.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	6/18/2003	10.98	10.26	0	0.72	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	9/24/2003	10.98	10.88	0	0.10	-0.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	12/2/2003	10.98	11.00	0	-0.02	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	3/30/2004	10.98	10.64	0	0.34	0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/7/2004	10.98	11.00	0	-0.02	-0.36	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/9/2004	10.98	11.31	0	-0.33	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/20/2004	10.98	10.79	0	0.19	0.52	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/28/2005	10.98	9.80	0	1.18	0.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/14/2005	10.98	10.75	0	0.23	-0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	ND<0.50	
	9/28/2005	10.98	11.16	0	-0.18	-0.41	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/29/2005	10.98	10.41	0	0.57	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/27/2006	10.98	10.16	0	0.82	0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/12/2006	10.98	9.94	0	1.04	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/21/2006	10.98	11.01	0	-0.03	-1.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/21/2006	10.98	10.92	0	0.06	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	3/28/2007	10.98	10.84	0	0.14	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	6/27/2007	10.98	10.93	0	0.05	-0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	9/26/2007	10.98	11.01	0	-0.03	-0.08	--	770	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
	12/27/2007	10.98	10.93	0	0.05	0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.63	
	3/26/2008	10.98	10.84	0	0.14	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/18/2008	10.98	10.89	0	0.09	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/24/2008	10.98	10.90	0	0.08	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
	12/22/2008	10.98	10.93	0	0.05	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/26/2009	10.98	10.70	0	0.28	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2009	10.98	10.40	0	0.58	0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
	12/3/2009	10.98	11.10	0	-0.12	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	1.2	
	6/28/2010	**10.98**	**10.67**	**0**	**0.31**	**0.43**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.5**	**--**	**<0.50**	
U-4															
	6/22/1994	11.15	10.16	0	0.99	--	ND	--	ND	ND	ND	ND	--	--	
	9/22/1994	11.15	10.79	0	0.36	-0.63	ND	--	0.78	1.3	ND	1.4	--	--	
	12/24/1994	11.15	9.81	0	1.34	0.98	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-4	3/25/1995	11.15	9.51	0	1.64	0.30	ND	--	ND	ND	ND	ND	--	--	
	6/21/1995	11.15	9.54	0	1.61	-0.03	ND	--	ND	ND	ND	ND	--	--	
	9/19/1995	11.15	10.17	0	0.98	-0.63	ND	--	ND	ND	ND	ND	--	--	
	12/19/1995	11.15	9.98	0	1.17	0.19	ND	--	ND	ND	ND	ND	--	--	
	3/18/1996	11.15	9.66	0	1.49	0.32	ND	--	ND	ND	ND	ND	--	--	
	6/27/1996	11.15	9.74	0	1.41	-0.08	ND	--	ND	ND	ND	ND	ND	--	
	9/26/1996	11.15	10.14	0	1.01	-0.40	ND	--	ND	ND	ND	ND	ND	--	
	12/9/1996	11.15	8.67	0	2.48	1.47	ND	--	ND	ND	ND	ND	33	--	
	3/14/1997	11.15	9.35	0	1.80	-0.68	ND	--	ND	ND	ND	ND	ND	--	
	6/30/1997	11.15	9.89	0	1.26	-0.54	ND	--	ND	ND	ND	ND	ND	--	
	9/19/1997	11.15	9.96	0	1.19	-0.07	ND	--	ND	ND	ND	ND	ND	--	
	12/12/1997	11.15	8.56	0	2.59	1.40	ND	--	ND	ND	ND	ND	ND	--	
	3/3/1998	11.15	7.85	0	3.30	0.71	ND	--	ND	ND	ND	ND	ND	--	
	6/15/1998	11.15	9.08	0	2.07	-1.23	ND	--	ND	ND	ND	ND	ND	--	
	9/30/1998	11.15	9.75	0	1.40	-0.67	ND	--	ND	ND	ND	ND	ND	--	
	12/28/1998	11.15	9.59	0	1.56	0.16	ND	--	ND	ND	ND	ND	ND	--	
	3/22/1999	11.15	8.34	0	2.81	1.25	ND	--	ND	ND	ND	ND	ND	--	
	6/9/1999	11.15	9.39	0	1.76	-1.05	ND	--	ND	ND	ND	ND	ND	--	
	9/8/1999	11.15	9.90	0	1.25	-0.51	ND	--	ND	ND	ND	ND	ND	--	
	12/7/1999	11.15	10.05	0	1.10	-0.15	ND	--	ND	ND	ND	ND	ND	--	
	3/13/2000	11.15	7.24	0	3.91	2.81	ND	--	ND	ND	ND	ND	ND	--	
	6/21/2000	11.15	9.48	0	1.67	-2.24	ND	--	ND	ND	ND	ND	ND	--	
	9/27/2000	11.15	9.42	0	1.73	0.06	ND	--	ND	ND	ND	ND	ND	--	
	12/12/2000	11.15	9.50	0	1.65	-0.08	ND	--	ND	ND	ND	ND	ND	--	
	3/7/2001	11.15	6.88	0	4.27	2.62	ND	--	ND	ND	ND	ND	ND	--	
	6/6/2001	11.15	9.18	0	1.97	-2.30	ND	--	ND	ND	ND	ND	ND	--	
	9/24/2001	11.15	9.21	0	1.94	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	12/10/2001	11.15	7.32	0	3.83	1.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	3/11/2002	11.15	6.92	0	4.23	0.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
	6/4/2002	11.15	7.58	0	3.57	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	9/3/2002	11.15	9.17	0	1.98	-1.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
	12/3/2002	11.15	9.20	0	1.95	-0.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	3/4/2003	11.15	9.32	0	1.83	-0.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	6/18/2003	11.15	7.65	0	3.50	1.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-4	9/24/2003	11.15	8.26	0	2.89	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	12/2/2003	11.15	9.16	0	1.99	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	3/30/2004	11.15	7.47	0	3.68	1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/7/2004	11.15	8.93	0	2.22	-1.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/9/2004	11.15	9.83	0	1.32	-0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/20/2004	11.15	8.28	0	2.87	1.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/28/2005	11.15	6.35	0	4.80	1.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/14/2005	11.15	8.10	0	3.05	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/28/2005	11.15	9.59	0	1.56	-1.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/29/2005	11.15	7.13	0	4.02	2.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/27/2006	11.15	6.27	0	4.88	0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/12/2006	11.15	8.45	0	2.70	-2.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/21/2006	11.15	9.63	0	1.52	-1.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/21/2006	11.15	8.50	0	2.65	1.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	3/28/2007	11.15	8.00	0	3.15	0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	6/27/2007	11.15	8.78	0	2.37	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	9/26/2007	11.15	9.08	0	2.07	-0.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/27/2007	11.15	8.63	0	2.52	0.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	3/26/2008	11.15	7.86	0	3.29	0.77	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/18/2008	11.15	8.83	0	2.32	-0.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	9/24/2008	11.15	9.50	0	1.65	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/22/2008	11.15	8.55	0	2.60	0.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/26/2009	11.15	7.21	0	3.94	1.34	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	6/23/2009	11.15	8.40	0	2.75	-1.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/4/2009	11.15	9.10	0	2.05	-0.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	
	6/28/2010	**11.15**	**8.30**	**0**	**2.85**	**0.80**	--	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.5**	--	**ND<0.50**	
U-5															
	6/22/1994	6.98	6.83	0	0.15	--	210	--	7.1	13	4.5	26	--	--	
	9/22/1994	6.98	6.90	0	0.08	-0.07	170	--	8.4	10	8.5	18	--	--	
	12/24/1994	6.98	6.43	0	0.55	0.47	8700	--	560	70	670	430	--	--	
	3/25/1995	6.98	6.35	0	0.63	0.08	44000	--	390	960	1500	7600	--	--	
	6/21/1995	6.98	7.11	0	-0.13	-0.76	400	--	2.3	ND	9.1	3.5	--	--	
	9/19/1995	6.98	6.99	0	-0.01	0.12	850	--	14	7.1	13	66	--	--	
	12/19/1995	6.98	7.17	0	-0.19	-0.18	ND	--	ND	ND	ND	ND	--	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-5	3/18/1996	6.98	6.65	0	0.33	0.52	100	--	0.67	0.5	0.51	5.4	--	--	
	6/27/1996	6.98	6.49	0	0.49	0.16	16000	--	280	150	1400	4600	530	--	
	9/26/1996	6.98	7.13	0	-0.15	-0.64	ND	--	ND	0.57	ND	0.96	ND	--	
	12/9/1996	6.98	5.90	0	1.08	1.23	1300	--	29	46	ND	140	97	--	
	3/14/1997	6.98	6.99	0	-0.01	-1.09	ND	--	ND	ND	ND	ND	14	--	
	6/30/1997	6.98	7.08	0	-0.10	-0.09	4200	--	74	51	180	980	270	--	
	9/19/1997	6.98	6.78	0	0.20	0.30	6300	--	160	13	370	1000	480	--	
	12/12/1997	6.98	6.94	0	0.04	-0.16	60	--	1.3	ND	1.6	2.1	47	--	
	3/3/1998	6.98	6.50	0	0.48	0.44	1700	--	29	ND	150	190	330	--	
	6/15/1998	6.98	6.85	0	0.13	-0.35	1500	--	32	ND	91	83	330	--	
	9/30/1998	6.98	7.31	0	-0.33	-0.46	1700	--	44	ND	39	150	60	--	
	12/28/1998	6.98	7.25	0	-0.27	0.06	1400	--	59	ND	13	27	150	--	
	3/22/1999	6.98	6.86	0	0.12	0.39	780	--	8.9	ND	0.76	4.5	350	--	
	6/9/1999	6.98	7.28	0	-0.30	-0.42	1000	--	ND	ND	10	35	280	350	
	9/8/1999	6.98	7.52	0	-0.54	-0.24	2620	--	26.2	ND	32.2	157	280	239	
	12/7/1999	6.98	7.67	0	-0.69	-0.15	949	--	9.26	ND	11.2	22.7	235	301	
	3/13/2000	6.98	6.73	0	0.25	0.94	880	--	12	1.0	5.6	8.7	46	37	
	6/21/2000	6.98	7.39	0	-0.41	-0.66	700	--	4.0	ND	0.99	4.0	120	140	
	9/27/2000	6.98	7.45	0	-0.47	-0.06	400	--	1.9	ND	ND	1.5	160	250	
	12/12/2000	6.98	7.68	0	-0.70	-0.23	770	--	3.2	ND	ND	ND	27	13	
	3/7/2001	6.98	6.83	0	0.15	0.85	623	--	5.15	ND	ND	0.669	35.7	43.4	
	6/6/2001	6.98	7.42	0	-0.44	-0.59	110	--	ND	ND	ND	ND	ND	--	
	9/24/2001	6.98	7.50	0	-0.52	-0.08	270	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	40	42	
	12/10/2001	6.98	6.65	0	0.33	0.85	420	--	13	0.60	0.66	ND<0.50	ND<2.5	--	
	3/11/2002	6.98	7.00	0	-0.02	-0.35	260	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	47	
	6/4/2002	6.98	6.71	0	0.27	0.29	170	--	ND<0.50	0.77	0.87	0.69	29	--	
	9/3/2002	6.98	7.47	0	-0.49	-0.76	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	53	
	12/3/2002	6.98	6.64	0	0.34	0.83	--	320	ND<0.50	ND<0.50	5.7	ND<1.0	--	11	
	3/4/2003	6.98	6.75	0	0.23	-0.11	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
	6/18/2003	6.98	6.25	0	0.73	0.50	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	36	
	9/24/2003	6.98	6.86	0	0.12	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	12/2/2003	6.98	7.12	0	-0.14	-0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	24	
	3/30/2004	6.98	6.88	0	0.10	0.24	--	100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
	6/7/2004	6.98	8.53	0	-1.55	-1.65	--	250	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-5	9/9/2004	6.98	12.28	0	-5.30	-3.75	--	340	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	260	
	12/20/2004	6.98	7.51	0	-0.53	4.77	--	130	ND<0.50	ND<0.50	1.9	2.0	--	120	
	3/28/2005	6.98	7.22	0	-0.24	0.29	--	670	ND<2.0	ND<2.0	ND<2.0	ND<4.0	--	230	
	6/14/2005	6.98	7.46	0	-0.48	-0.24	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400	
	9/28/2005	6.98	9.59	0	-2.61	-2.13	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	370	
	12/29/2005	6.98	7.53	0	-0.55	2.06	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
	3/27/2006	6.98	6.29	0	0.69	1.24	--	450	ND<0.50	ND<0.50	8.3	ND<1.0	--	70	
	6/12/2006	6.98	6.45	0	0.53	-0.16	--	370	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	61	
	9/21/2006	6.98	6.60	0	0.38	-0.15	--	130	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	35	
	12/21/2006	6.98	6.92	0	0.06	-0.32	--	230	ND<0.50	ND<0.50	0.58	ND<0.50	--	11	
	3/28/2007	6.98	5.12	0	1.86	1.80	--	400	ND<0.50	ND<0.50	5.4	ND<0.50	--	13	
	6/27/2007	6.98	4.41	0	2.57	0.71	--	210	ND<0.50	ND<0.50	2.4	ND<0.50	--	18	
	9/26/2007	6.98	4.71	0	2.27	-0.30	--	740	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	18	
	12/27/2007	6.98	6.77	0	0.21	-2.06	--	180	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
	3/26/2008	6.98	6.41	0	0.57	0.36	--	310	ND<0.50	0.64	1.3	1.0	--	27	
	6/18/2008	6.98	5.71	0	1.27	0.70	--	790	ND<0.50	ND<0.50	2.4	ND<1.0	--	22	
	9/24/2008	6.98	5.45	0	1.53	0.26	--	860	1.2	ND<0.50	3.2	3.7	--	16	
	12/22/2008	6.98	6.83	0	0.15	-1.38	--	620	ND<0.50	ND<0.50	0.54	1.3	--	13	
	3/26/2009	6.98	6.20	0	0.78	0.63	--	310	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.4	
	6/23/2009	6.98	5.50	0	1.48	0.70	--	80	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.1	
	12/4/2009	6.98	6.02	0	0.96	-0.52	--	160	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	4.6	
	6/28/2010	**6.98**	**5.51**	**0**	**1.47**	**0.51**	--	**144**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.5**	--	**3.8**	
U-6	6/22/1994	7.14	7.14	0	0.00	--	ND	--	ND	ND	ND	ND	--	--	
	9/22/1994	7.14	7.34	0	-0.20	-0.20	130	--	1.3	0.8	ND	0.73	--	--	
	12/24/1994	7.14	6.67	0	0.47	0.67	6900	--	500	59	600	380	--	--	
	3/25/1995	7.14	6.29	0	0.85	0.38	47000	--	450	1300	1700	8200	--	--	
	6/21/1995	7.14	7.60	0	-0.46	-1.31	ND	--	ND	ND	ND	ND	--	--	
	9/19/1995	7.14	7.70	0	-0.56	-0.10	ND	--	ND	ND	ND	ND	--	--	
	12/19/1995	7.14	7.75	0	-0.61	-0.05	210	--	2.5	1.0	2.9	17	--	--	
	3/18/1996	7.14	6.86	0	0.28	0.89	ND	--	ND	ND	ND	ND	--	--	
	6/27/1996	7.14	6.52	0	0.62	0.34	ND	--	ND	ND	ND	ND	510	--	
	9/26/1996	7.14	7.62	0	-0.48	-1.10	ND	--	ND	ND	ND	ND	1400	--	
	12/9/1996	7.14	5.88	0	1.26	1.74	1200	--	29	48	6.4	140	58	--	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-6	3/14/1997	7.14	7.30	0	-0.16	-1.42	ND	--	ND	ND	ND	ND	1500	--	
	6/30/1997	7.14	7.35	0	-0.21	-0.05	ND	--	ND	ND	ND	ND	990	--	
	9/19/1997	7.14	7.25	0	-0.11	0.10	ND	--	ND	ND	ND	ND	1400	--	
	12/12/1997	7.14	7.29	0	-0.15	-0.04	ND	--	ND	ND	ND	ND	680	--	
	3/3/1998	7.14	7.00	0	0.14	0.29	ND	--	ND	ND	ND	ND	1600	--	
	6/15/1998	7.14	7.18	0	-0.04	-0.18	ND	--	ND	ND	ND	ND	1000	--	
	9/30/1998	7.14	7.90	0	-0.76	-0.72	ND	--	ND	ND	ND	ND	1200	--	
	12/28/1998	7.14	7.79	0	-0.65	0.11	ND	--	ND	ND	ND	ND	730	--	
	3/22/1999	7.14	7.47	0	-0.33	0.32	ND	--	ND	ND	ND	ND	1800	--	
	6/9/1999	7.14	7.73	0	-0.59	-0.26	ND	--	ND	ND	ND	ND	1000	850	
	9/8/1999	7.14	7.95	0	-0.81	-0.22	ND	--	ND	ND	ND	ND	851	1040	
	12/7/1999	7.14	8.10	0	-0.96	-0.15	ND	--	ND	ND	ND	ND	1140	1150	
	3/13/2000	7.14	6.95	0	0.19	1.15	ND	--	ND	ND	ND	ND	560	670	
	6/21/2000	7.14	7.84	0	-0.70	-0.89	ND	--	ND	ND	ND	ND	400	590	
	9/27/2000	7.14	7.68	0	-0.54	0.16	ND	--	ND	ND	ND	ND	2500	2800	
	12/12/2000	7.14	7.74	0	-0.60	-0.06	ND	--	ND	ND	ND	ND	590	580	
	3/7/2001	7.14	7.27	0	-0.13	0.47	ND	--	ND	ND	ND	ND	310	321	
	6/6/2001	7.14	7.80	0	-0.66	-0.53	ND	--	ND	ND	ND	ND	250	330	
	9/24/2001	7.14	7.82	0	-0.68	-0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	530	660	
	12/10/2001	7.14	7.15	0	-0.01	0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	220	220	
	3/11/2002	7.14	7.32	0	-0.18	-0.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	760	
	6/4/2002	7.14	7.18	0	-0.04	0.14	250	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	--	
	9/3/2002	7.14	7.72	0	-0.58	-0.54	420	--	ND<2.5	ND<2.5	ND<2.5	4.7	860	1200	
	12/3/2002	7.14	6.92	0	0.22	0.80	--	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<10	--	870	
	3/4/2003	7.14	7.01	0	0.13	-0.09	--	2300	ND<10	ND<10	ND<10	ND<20	--	2700	
	6/18/2003	7.14	6.60	0	0.54	0.41	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
	9/24/2003	7.14	7.24	0	-0.10	-0.64	--	ND<10000	ND<100	ND<100	ND<100	ND<200	--	1500	
	12/2/2003	7.14	7.80	0	-0.66	-0.56	--	1300	ND<10	ND<10	ND<10	ND<20	--	1800	
	3/30/2004	7.14	7.32	0	-0.18	0.48	--	1200	ND<10	ND<10	ND<10	ND<20	--	1700	
	6/7/2004	7.14	9.35	0	-2.21	-2.03	--	1700	ND<10	ND<10	ND<10	ND<20	--	1800	
	9/9/2004	7.14	12.81	0	-5.67	-3.46	--	ND<1000	ND<10	ND<10	ND<10	ND<20	--	1400	
	12/20/2004	7.14	7.96	0	-0.82	4.85	--	320	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	65	
	3/28/2005	7.14	7.07	0	0.07	0.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	150	
	6/14/2005	7.14	7.88	0	-0.74	-0.81	--	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	20	

Table 2
HISTORICAL FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPHg (8015) (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
U-6	9/28/2005	7.14	10.44	0	-3.30	-2.56	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.6	
	12/29/2005	7.14	7.63	0	-0.49	2.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
	3/27/2006	7.14	6.16	0	0.98	1.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.1	
	6/12/2006	7.14	6.59	0	0.55	-0.43	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.9	
	9/21/2006	7.14	6.90	0	0.24	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.1	
	12/21/2006	7.14	7.36	0	-0.22	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
	3/28/2007	7.14	3.48	0	3.66	3.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	6/27/2007	7.14	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - dumpster over well
	9/26/2007	7.14	2.71	0	4.43	--	--	54	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	12/27/2007	7.14	6.96	0	0.18	-4.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4	
	3/26/2008	7.14	6.56	0	0.58	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
	6/18/2008	7.14	6.71	0	0.43	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.59	
	9/24/2008	7.14	5.50	0	1.64	1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/22/2008	7.14	6.48	0	0.66	-0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	3/26/2009	7.14	6.10	0	1.04	0.38	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	ND<2.5	
	6/23/2009	7.14	4.80	0	2.34	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	12/4/2009	7.14	5.31	0	1.83	-0.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	--	ND<0.50	
	6/28/2010	**7.14**	**4.77**	**0**	**2.37**	**0.54**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.5**	**--**	**ND<0.50**	

Notes:
TOC: Top of Casing
LPH: Liquid Phase Hydrocarbons
TPH-G: Total petroleum hydrocarbons as Gasoline
MTBE: Methyl tertiary-butyl ether

µg/L: micrograms per liter
ND<: Below the laboratory's indicated reporting limits
--: Not Analysed

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-1														
	6/15/1998	--	--	--	--	--	--	--	--	39000	ND	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	17000	ND	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	4300	6.30	--	28	
	3/22/1999	--	--	--	--	--	--	--	--	4900	ND	--	3.5	
	6/9/1999	--	--	--	--	--	--	--	--	1200	ND	--	ND	
	9/8/1999	--	--	--	--	--	--	--	--	1800	ND	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	5700	ND	--	17.0	
	3/13/2000	--	--	--	--	--	--	--	--	8000	0.18	--	ND	
	6/21/2000	--	--	--	--	--	--	--	--	9300	ND	--	ND	
	9/27/2000	ND	--	ND	--	ND	ND	ND	--	2800	ND	--	18.4	
	12/12/2000	--	--	--	--	--	--	--	--	490	ND	--	16.0	
	3/7/2001	ND	--	ND	--	ND	ND	ND	--	483	2.64	--	6.89	
	6/6/2001	ND	--	ND	--	ND	ND	ND	--	1000	ND	--	2.7	
	9/24/2001	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.45	--	--	
	12/10/2001	ND<4000	ND<8000	ND<100	ND<100	ND<100	ND<100	ND<100	--	14000	ND<0.50	--	2.2	
	3/11/2002	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	15000	ND<0.50	--	0.11	
	6/4/2002	--	--	--	--	--	--	--	--	ND<500	ND<0.50	--	ND<0.10	
	9/3/2002	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<500	ND<0.50	--	ND<0.10	
	12/3/2002	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9600	ND<1.0	--	ND<1.0	
	3/4/2003	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	36000	ND<1.0	--	ND<1.0	
	6/18/2003	ND<5000	ND<25000	ND<100	ND<100	ND<100	ND<100	ND<100	--	16000	ND<1.0	--	ND<1.0	
	9/24/2003	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	15	ND<1.0	--	ND<1.0	
	12/2/2003	--	ND<100000	--	--	--	--	--	--	4000	--	--	--	
	3/30/2004	3100	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	12000	ND<1.0	ND<1.0	--	
	6/7/2004	3300	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	660	ND<0.50	6.8	--	
	12/20/2004	11	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	0.015	ND<1.0	ND<1.0	--	
	3/28/2005	--	ND<1000	--	--	--	--	--	--	16	ND<1.0	ND<1.0	--	
	6/14/2005	4400	ND<1000	ND<10	ND<10	ND<10	ND<10	ND<10	--	7100	ND<1.0	12	--	
	9/28/2005	5500	ND<250	ND<10	ND<10	ND<10	ND<10	ND<10	--	7300	ND<0.10	39	--	
	12/29/2005	3900	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9500	ND<0.10	21	--	
	3/27/2006	--	ND<12000	--	--	--	--	--	--	8500	ND<0.10	ND<0.050	--	
	6/12/2006	--	ND<250	--	--	--	--	--	--	25000	ND<0.10	0.64	--	
	9/21/2006	--	ND<6200	--	--	--	--	--	--	16000	ND<0.10	1.5	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	22000	ND<0.10	1.0	--	
	3/28/2007	1600	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	20000	ND<0.10	ND<0.050	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
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	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-1	6/27/2007	1500	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	35000	ND<0.10	0.065	--	
	9/26/2007	--	ND<1200	--	--	--	--	--	--	27000	ND<0.10	0.11	--	
	12/27/2007	--	ND<1200	--	--	--	--	--	--	25000	ND<0.10	ND<0.050	--	
	3/26/2008	--	ND<1200	--	--	--	--	--	--	23000	ND<0.10	0.12	--	
	6/18/2008	--	ND<2500	--	--	--	--	--	--	30000	ND<0.10	0.059	--	
	9/24/2008	--	ND<1200	--	--	--	--	--	--	5000	ND<0.10	0.061	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	23000	ND<0.10	ND<0.050	--	
	3/26/2009	--	ND<1200	--	--	--	--	--	--	2400	ND<0.10	0.11	--	
	6/23/2009	--	ND<1200	--	--	--	--	--	--	23000	ND<0.10	0.077	--	
	12/4/2009	729	ND<250	--	--	--	--	--	--	15900	ND<0.50	26.9	--	
	6/28/2010	**1110**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**4000**	**ND<50**	**--**	**--**	
U-2														
	3/3/1998	--	--	--	--	--	--	--	--	25000	ND	--	ND	
	6/15/1998	--	--	--	--	--	--	--	--	42000	ND	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	25000	ND	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	28000	ND	--	ND	
	3/22/1999	--	--	--	--	--	--	--	--	680	ND	--	2.3	
	6/9/1999	--	--	--	--	--	--	--	--	500	ND	--	ND	
	9/8/1999	--	--	--	--	--	--	--	--	1900	ND	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	250	ND	--	ND	
	3/13/2000	--	--	--	--	--	--	--	--	4300	0.31	--	ND	
	6/21/2000	--	--	--	--	--	--	--	--	260	ND	--	ND	
	9/27/2000	--	--	--	--	--	--	--	--	640	ND	--	10.5	
	12/12/2000	--	--	--	--	--	--	--	--	2700	ND	--	ND	
	3/7/2001	ND	ND	ND	ND	ND	ND	ND	--	677	2.24	--	3.02	
	6/6/2001	ND	ND	ND	ND	ND	ND	ND	--	800	ND	--	2.8	
	9/24/2001	ND<20000	ND<400000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<100	0.49	--	--	
	12/10/2001	ND<2000	ND<4000	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	ND<0.50	--	0.20	
	3/11/2002	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	ND<100	ND<0.50	--	0.65	
	6/4/2002	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<0.10	
	9/3/2002	ND<50000	ND<250000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	ND<250	ND<0.50	--	0.26	
	12/3/2002	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	9900	ND<1.0	--	ND<1.0	
	3/4/2003	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	8600	ND<1.0	--	ND<1.0	
	6/18/2003	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200	--	5500	ND<1.0	--	3.1	
	9/24/2003	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	14	ND<1.0	--	ND<1.0	
	12/2/2003	--	ND<100000	--	--	--	--	--	--	2700	--	--	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
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	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-2	3/30/2004	2400	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	ND<200	ND<1.0	2.9	--	
	6/7/2004	2600	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	210	ND<0.50	2.4	--	
	9/9/2004	2700	ND<10000	ND<100	ND<100	ND<200	ND<100	ND<100	--	930	ND<1.0	5.9	--	
	12/20/2004	3500	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	0.87	ND<1.0	ND<1.0	--	
	3/28/2005	830	ND<5000	ND<50	ND<50	ND<50	ND<50	ND<0.50	--	4.0	ND<1.0	ND<1.0	--	
	6/14/2005	10000	ND<2000	ND<20	ND<20	ND<20	ND<20	ND<20	--	3400	ND<1.0	ND<1.0	--	
	9/28/2005	13000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	4000	ND<0.20	7.5	--	
	12/29/2005	1000000000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2200	ND<0.20	4.6	--	
	3/27/2006	--	ND<250	--	--	--	--	--	--	1100	ND<0.10	ND<0.050	--	
	6/12/2006	--	ND<6200	--	--	--	--	--	--	1500	ND<0.10	ND<0.050	--	
	9/21/2006	--	ND<250	--	--	--	--	--	--	100	33	0.36	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	770	ND<0.20	0.21	--	
	3/28/2007	4000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	8600	ND<0.10	ND<0.050	--	
	6/27/2007	3000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	9000	ND<0.10	ND<0.050	--	
	9/26/2007	--	ND<2500	--	--	--	--	--	--	22000	ND<0.10	0.10	--	
	12/27/2007	--	ND<2500	--	--	--	--	--	--	7600	ND<0.10	ND<0.050	--	
	3/26/2008	--	ND<1200	--	--	--	--	--	--	11000	ND<0.10	ND<0.050	--	
	6/18/2008	--	ND<2500	--	--	--	--	--	--	16000	ND<0.10	ND<0.050	--	
	9/24/2008	--	ND<250	--	--	--	--	--	--	4600	ND<0.20	ND<0.050	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	13000	ND<0.10	ND<0.050	--	
	3/26/2009	--	ND<1200	--	--	--	--	--	--	2600	ND<0.10	ND<0.050	--	
	6/23/2009	--	ND<1200	--	--	--	--	--	--	9500	ND<0.10	0.052	--	
	6/28/2010	**3750**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**3200**	**62.1**	--	--	
U-3														
	6/30/1997	--	--	--	--	--	--	--	--	1400	21	--	0.86	
	9/19/1997	--	--	--	--	--	--	--	--	570	19	--	ND	
	12/12/1997	--	--	--	--	--	--	--	--	1900	23	--	0.85	
	3/3/1998	--	--	--	--	--	--	--	--	13	36	--	ND	
	6/15/1998	--	--	--	--	--	--	--	--	160	33	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	40	31	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	ND	29	--	ND	
	3/22/1999	--	--	--	--	--	--	--	--	15	30	--	0.14	
	6/9/1999	--	--	--	--	--	--	--	--	ND	26	--	1.2	
	9/8/1999	--	--	--	--	--	--	--	--	ND	32.90	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	52	27.90	--	ND	
	3/13/2000	--	--	--	--	--	--	--	--	150	33	--	ND	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
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	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-3	6/21/2000	--	--	--	--	--	--	--	--	200	32	--	ND	
	9/27/2000	--	--	--	--	--	--	--	307	ND	34	--	15.7	
	12/12/2000	--	--	--	--	--	--	--	--	ND	31	--	ND	
	3/7/2001	--	--	--	--	--	--	--	--	ND	36.5	--	0.443	
	6/6/2001	--	--	--	--	--	--	--	--	ND	8.0	--	0.18	
	9/24/2001	--	--	--	--	--	--	--	--	ND<100	23.0	--	ND	
	12/10/2001	--	--	--	--	--	--	--	--	ND<100	21	--	0.11	
	3/11/2002	--	--	--	--	--	--	--	--	ND<100	30	--	0.14	
	6/4/2002	--	--	--	--	--	--	--	--	ND<100	18	--	ND<0.10	
	9/3/2002	--	--	--	--	--	--	--	--	ND<100	28	--	ND<0.10	
	12/3/2002	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0	
	3/4/2003	--	--	--	--	--	--	--	--	ND<200	18	--	ND<1.0	
	6/18/2003	--	--	--	--	--	--	--	--	ND<200	17	--	ND<1.0	
	9/24/2003	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.4	
	12/2/2003	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--	
	3/30/2004	--	ND<50	--	--	--	--	--	--	ND<200	16	ND<1.0	--	
	6/7/2004	--	ND<50	--	--	--	--	--	--	ND<200	17	ND<0.20	--	
	9/9/2004	--	ND<50	--	--	--	--	--	--	ND<10	16	1.2	--	
	12/20/2004	--	ND<50	--	--	--	--	--	--	ND<0.010	17	ND<1.0	--	
	3/28/2005	--	ND<50	--	--	--	--	--	--	ND<0.050	17	ND<1.0	--	
	6/14/2005	--	ND<50	--	--	--	--	--	--	ND<50	18	ND<1.0	--	
	9/28/2005	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.66	--	
	12/29/2005	--	ND<250	--	--	--	--	--	--	ND<100	4.3	0.65	--	
	3/27/2006	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.66	--	
	6/12/2006	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.64	--	
	9/21/2006	--	ND<250	--	--	--	--	--	--	170	4.4	0.69	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.68	--	
	3/28/2007	--	ND<250	--	--	--	--	--	--	ND<100	4.7	0.67	--	
	6/27/2007	--	ND<250	--	--	--	--	--	--	ND<100	4.5	0.64	--	
	9/26/2007	--	ND<250	--	--	--	--	--	--	9900	ND<0.10	ND<0.050	--	
	12/27/2007	--	ND<250	--	--	--	--	--	--	130	4.6	0.75	--	
	3/26/2008	--	ND<250	--	--	--	--	--	--	190	5.1	0.64	--	
	6/18/2008	--	ND<250	--	--	--	--	--	--	ND<100	4.9	0.64	--	
	9/24/2008	--	ND<250	--	--	--	--	--	--	150	4.7	0.73	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.73	--	
	3/26/2009	--	ND<250	--	--	--	--	--	--	ND<100	4.8	0.66	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-3	6/23/2009	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.67	--	
	6/28/2010	**ND<5.0**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	--	--	--	--	
U-4														
	6/30/1997	--	--	--	--	--	--	--	--	130	35	--	0.52	
	9/19/1997	--	--	--	--	--	--	--	--	350	30	--	ND	
	12/12/1997	--	--	--	--	--	--	--	--	680	31	--	0.73	
	3/3/1998	--	--	--	--	--	--	--	--	18	3.2	--	ND	
	6/15/1998	--	--	--	--	--	--	--	--	140	33	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	49	31	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	360	31	--	ND	
	3/22/1999	--	--	--	--	--	--	--	--	ND	30	--	0.14	
	6/9/1999	--	--	--	--	--	--	--	--	ND	35	--	0.91	
	9/8/1999	--	--	--	--	--	--	--	--	ND	24	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	ND	27.7	--	ND	
	3/13/2000	--	--	--	--	--	--	--	--	ND	33	--	ND	
	6/21/2000	--	--	--	--	--	--	--	--	34	32	--	ND	
	9/27/2000	--	--	--	--	--	--	--	--	ND	28	--	ND	
	12/12/2000	--	--	--	--	--	--	--	--	ND	30	--	ND	
	3/7/2001	--	--	--	--	--	--	--	--	ND	33.9	--	0.226	
	6/6/2001	--	--	--	--	--	--	--	--	ND	7.4	--	0.21	
	9/24/2001	--	--	--	--	--	--	--	--	ND<100	24	--	--	
	12/10/2001	--	--	--	--	--	--	--	--	ND<100	19	--	0.10	
	3/11/2002	--	--	--	--	--	--	--	--	ND<100	31	--	0.14	
	6/4/2002	--	--	--	--	--	--	--	--	ND<100	27	--	ND<0.10	
	9/3/2002	--	--	--	--	--	--	--	--	ND<100	28	--	0.27	
	12/3/2002	--	--	--	--	--	--	--	--	ND<200	20	--	ND<1.0	
	3/4/2003	--	--	--	--	--	--	--	--	ND<200	26	--	ND<1.0	
	6/18/2003	--	--	--	--	--	--	--	--	ND<200	31	--	ND<1.0	
	9/24/2003	--	ND<500	--	--	--	--	--	--	ND<0.20	17	--	1.5	
	12/2/2003	--	ND<500	--	--	--	--	--	--	ND<200	--	--	--	
	3/30/2004	--	ND<50	--	--	--	--	--	--	ND<200	25	ND<1.0	--	
	6/7/2004	--	ND<50	--	--	--	--	--	--	ND<200	24	ND<0.20	--	
	9/9/2004	--	ND<50	--	--	--	--	--	--	ND<10	22	ND<1.0	--	
	12/20/2004	--	ND<50	--	--	--	--	--	--	ND<0.010	20	ND<1.0	--	
	3/28/2005	--	ND<50	--	--	--	--	--	--	0.060	31	ND<1.0	--	
	6/14/2005	--	ND<50	--	--	--	--	--	--	ND<50	32	ND<1.0	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-4	9/28/2005	--	ND<250	--	--	--	--	--	--	190	6.8	0.45	--	
	12/29/2005	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.37	--	
	3/27/2006	--	ND<250	--	--	--	--	--	--	ND<100	6.4	0.41	--	
	6/12/2006	--	ND<250	--	--	--	--	--	--	2200	6.8	0.39	--	
	9/21/2006	--	ND<250	--	--	--	--	--	--	360	5.7	0.43	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.41	--	
	3/28/2007	--	ND<250	--	--	--	--	--	--	ND<100	5.5	0.49	--	
	6/27/2007	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.34	--	
	9/26/2007	--	ND<250	--	--	--	--	--	--	ND<100	5.4	0.40	--	
	12/27/2007	--	ND<250	--	--	--	--	--	--	ND<100	5.3	0.43	--	
	3/26/2008	--	ND<250	--	--	--	--	--	--	160	5.6	0.38	--	
	6/18/2008	--	ND<250	--	--	--	--	--	--	ND<100	5.6	0.39	--	
	9/24/2008	--	ND<250	--	--	--	--	--	--	250	5.1	0.34	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	140	4.8	0.39	--	
	3/26/2009	--	ND<250	--	--	--	--	--	--	ND<100	4.4	0.37	--	
	6/23/2009	--	ND<250	--	--	--	--	--	--	ND<100	4.2	0.37	--	
	6/28/2010	**ND<5.0**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<100**	**4870**	**--**	**--**	
U-5														
	6/30/1997	--	--	--	--	--	--	--	--	16000	ND	--	ND	
	9/19/1997	--	--	--	--	--	--	--	--	220	ND	--	ND	
	12/12/1997	--	--	--	--	--	--	--	--	6700	ND	--	ND	
	3/3/1998	--	--	--	--	--	--	--	--	18000	3.1	--	ND	
	6/15/1998	--	--	--	--	--	--	--	--	17000	ND	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	17000	ND	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	17000	6.6	--	ND	
	3/22/1999	--	--	--	--	--	--	--	--	120	ND	--	2.4	
	6/9/1999	--	--	--	--	--	--	--	--	230	ND	--	ND	
	9/8/1999	--	--	--	--	--	--	--	--	2100	ND	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	310	ND	--	ND	
	3/13/2000	--	--	--	--	--	--	--	--	330	0.16	--	ND	
	6/21/2000	--	--	--	--	--	--	--	--	150	ND	--	ND	
	9/27/2000	--	--	--	--	--	--	--	--	330	ND	--	ND	
	12/12/2000	--	--	--	--	--	--	--	--	86	ND	--	ND	
	3/7/2001	ND	ND	ND	ND	ND	ND	ND	--	1070	3.02	--	4.00	
	6/6/2001	--	--	--	--	--	--	--	--	ND	ND	--	1.2	
	9/24/2001	ND<200	ND<4000	ND<10	ND<10	ND<10	ND<10	ND<10	--	ND<100	0.77	--	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-5	12/10/2001	--	--	--	--	--	--	--	--	3700	ND<0.50	--	2.6	
	3/11/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	100	ND<0.50	--	0.52	
	6/4/2002	--	--	--	--	--	--	--	--	ND<250	ND<0.50	--	ND<0.10	
	9/3/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<250	ND<0.50	--	ND<0.10	
	12/3/2002	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	22000	ND<1.0	--	ND<1.0	
	3/4/2003	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	19000	ND<1.0	--	ND<1.0	
	6/18/2003	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	11000	ND<1.0	--	ND<1.0	
	9/24/2003	--	ND<500	--	--	--	--	--	--	ND<0.20	18	--	1.8	
	12/2/2003	--	ND<500	--	--	--	--	--	--	9400	--	--	--	
	3/30/2004	52	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	5900	ND<1.0	ND<1.0	--	
	6/7/2004	69	ND<50	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	3800	ND<0.50	ND<0.20	--	
	9/9/2004	130	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	4100	ND<1.0	ND<1.0	--	
	12/20/2004	--	ND<50	--	--	--	--	--	--	5.0	ND<1.0	ND<1.0	--	
	3/28/2005	150	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	6.5	ND<1.0	ND<1.0	--	
	6/14/2005	160	ND<100	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7400	3.6	ND<1.0	--	
	9/28/2005	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	0.10	--	
	12/29/2005	280	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7300	ND<0.50	ND<0.050	--	
	3/27/2006	--	ND<250	--	--	--	--	--	--	6300	ND<0.50	ND<0.050	--	
	6/12/2006	--	ND<250	--	--	--	--	--	--	8700	ND<0.20	ND<0.050	--	
	9/21/2006	--	ND<250	--	--	--	--	--	--	6800	ND<0.50	ND<0.050	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	15000	ND<0.50	ND<0.050	--	
	3/28/2007	870	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.20	ND<0.050	--	
	6/27/2007	220	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10000	ND<0.10	ND<0.050	--	
	9/26/2007	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--	
	12/27/2007	--	ND<250	--	--	--	--	--	--	5900	ND<0.10	ND<0.050	--	
	3/26/2008	--	ND<250	--	--	--	--	--	--	10000	ND<0.20	ND<0.050	--	
	6/18/2008	--	ND<250	--	--	--	--	--	--	6700	0.12	ND<0.050	--	
	9/24/2008	--	ND<250	--	--	--	--	--	--	7900	ND<0.10	ND<0.050	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	9200	ND<0.10	ND<0.050	--	
	3/26/2009	--	ND<250	--	--	--	--	--	--	990	ND<0.10	ND<0.050	--	
	6/23/2009	--	ND<250	--	--	--	--	--	--	7000	0.17	0.076	--	
	6/28/2010	**66.6**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	--	--	--	--	
U-6														
	6/30/1997	--	--	--	--	--	--	--	--	88000	0.80	--	ND	
	9/19/1997	--	--	--	--	--	--	--	--	2900	1.80	--	ND	
	12/12/1997	--	--	--	--	--	--	--	--	51000	ND	--	ND	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-6	3/3/1998	--	--	--	--	--	--	--	--	60000	3.5	--	ND	
	6/15/1998	--	--	--	--	--	--	--	--	590000	4.8	--	ND	
	9/30/1998	--	--	--	--	--	--	--	--	33000	ND	--	ND	
	12/28/1998	--	--	--	--	--	--	--	--	83000	7.2	--	ND	
	3/22/1999	--	--	--	--	--	--	--	--	2100	ND	--	0.98	
	6/9/1999	--	--	--	--	--	--	--	--	470	0.20	--	ND	
	9/8/1999	--	--	--	--	--	--	--	--	140	5.59	--	ND	
	12/7/1999	--	--	--	--	--	--	--	--	260	ND	--	ND	
	3/13/2000	--	--	--	--	--	--	--	--	790	0.26	--	ND	
	6/21/2000	--	--	--	--	--	--	--	--	1900	ND	--	ND	
	9/27/2000	--	--	--	--	--	--	--	--	2600	ND	--	ND	
	12/12/2000	--	--	--	--	--	--	--	--	ND	2.7	--	ND	
	3/7/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	6/6/2001	ND	ND	ND	ND	ND	ND	ND	--	470	0.15	--	0.70	
	9/24/2001	ND<2000	ND<40000	ND<100	ND<100	ND<100	ND<100	ND<100	--	ND<100	0.58	--	--	
	12/10/2001	ND<200	ND<400	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	990	0.50	--	2.0	
	3/11/2002	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	--	1200	ND<0.50	--	0.089	
	6/4/2002	--	--	--	--	--	--	--	--	ND<100	ND<0.50	--	ND<1.0	
	9/3/2002	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	ND<100	0.58	--	1.1	
	12/3/2002	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20	--	1200	ND<1.0	--	2.6	
	3/4/2003	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	20000	ND<1.0	--	ND<1.0	
	6/18/2003	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	--	3200	ND<1.0	--	2.0	
	9/24/2003	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	1.4	ND<1.0	--	4.6	
	12/2/2003	--	ND<10000	--	--	--	--	--	--	1400	--	--	--	
	3/30/2004	770	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2600	ND<1.0	ND<1.0	--	
	6/7/2004	110	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	2100	0.8	ND<0.20	--	
	9/9/2004	1900	ND<1000	ND<10	ND<10	ND<20	ND<10	ND<10	--	870	ND<1.0	3.8	--	
	12/20/2004	5000	ND<250	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	2.5	ND<1.0	ND<1.0	--	
	3/28/2005	990	--	ND<2.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.4	ND<1.0	ND<1.0	--	
	6/14/2005	ND<5.0	ND<100	ND<0.5	ND<0.5	ND<0.50	ND<0.50	ND<0.50	--	4100	3.8	ND<1.0	--	
	9/28/2005	3800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	21000	ND<0.20	3.4	--	
	12/29/2005	1100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8300	0.48	ND<0.050	--	
	3/27/2006	--	ND<250	--	--	--	--	--	--	8800	0.37	0.19	--	
	6/12/2006	--	ND<250	--	--	--	--	--	--	8500	0.23	ND<0.050	--	
	9/21/2006	--	ND<250	--	--	--	--	--	--	2900	0.19	0.31	--	
	12/21/2006	--	ND<250	--	--	--	--	--	--	11000	0.36	0.41	--	

Table 2a
ADDITIONAL HISTORICAL ANALYTICAL RESULTS

June 28, 2010
76 Service Station No. 5325

	Date Sampled	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)	Acenaph-thylene (µg/l)	Iron Ferrous (µg/l)	Nitrate (mg/l)	Phosphate (ortho) (mg/l)	Phosphate (total) (mg/l)	Comments
U-6	3/28/2007	--	ND<250	--	--	--	--	--	--	ND<100	0.55	0.31	--	
	9/26/2007	--	ND<250	--	--	--	--	--	--	ND<100	0.41	0.34	--	
	12/27/2007	--	ND<250	--	--	--	--	--	--	7700	ND<0.10	1.0	--	
	3/26/2008	--	ND<250	--	--	--	--	--	--	19000	ND<0.10	1.2	--	
	6/18/2008	--	ND<250	--	--	--	--	--	--	2100000	ND<0.10	0.076	--	
	9/24/2008	--	ND<250	--	--	--	--	--	--	220000	ND<0.10	0.28	--	
	12/22/2008	--	ND<250	--	--	--	--	--	--	290000	ND<0.10	0.39	--	
	3/26/2009	--	ND<1200	--	--	--	--	--	--	540000	ND<0.10	0.28	--	
	6/23/2009	--	ND<250	--	--	--	--	--	--	12000	0.26	0.68	--	
	6/28/2010	**11.4**	**ND<250**	**ND<1.0**	**ND<1.0**	**ND<0.50**	**ND<0.50**	**ND<0.50**	--	--	--	--	--	

Notes:

MTBE: Methyl tertiary-butyl ether
TBA: Tertiary-butyl alcohol
ETBE: Ethyl tertiary-butyl ether
TAME: Tertiary amyl methyl ether
DIPE: Di-isopropyl ether

µg/L: micrograms per liter
ND<: Below the laboratory's indicated reporting limits
--: Not Analysed
1,2-DCA: 1,2-Dichloroethane
EDB: Dibromoethane

Attachment A

Previous Investigations and Site History Summary

Attachment A: Previous Investigations and Site History Summary
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

PREVIOUS INVESTIGATIONS AND SITE HISTORY SUMMARY

May 1990 Three exploratory soil borings were advanced adjacent to the UST complex to depths ranging from 10 to 12.5 feet below ground surface (bgs). Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). The samples contained TPH-G concentrations ranging from 2 to 7,500 parts per million (ppm) and benzene concentrations ranging from 0.14 to 13 ppm.

June 1990 Two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, and related product dispensers were replaced. Soil samples from the UST excavation sidewalls and bottom and product line trenches were reported to contain TPH-G and benzene at concentrations ranging from 12 to 2,800 ppm and 0.008 to 11 ppm, respectively. Approximately 250 cubic yards of soil and backfill material were aerated onsite to reduce concentrations to below 100 ppm TPH-G, then transported to an appropriate soil disposal facility. Groundwater was encountered at approximately 7.5 feet bgs.

September 1990 Monitoring wells U-1, U-2, and U-3 were installed. TPH-G was detected in soil samples collected from the capillary fringe in well borings U-1 and U-2 at levels of 110 and 480 ppm, respectively. Benzene was detected in the soil sample from well boring U-1 at a level of 4.5 ppm. Petroleum hydrocarbons were not detected in soil or groundwater samples from U-3. Groundwater samples collected from wells U-1 and U-2 were reported to contain 690 and 38 parts per billion (ppb) TPH-G and 780 and 27 ppb benzene, respectively.

June 1990 Monitoring wells U-4, U-5, and U-6 were installed. TPH-G and benzene were detected in the capillary fringe soil sample collected from boring U-5 at levels of 400 ppm and 1.9 ppm, respectively. TPH-G and benzene were not detected in soil samples collected from borings U-4 and U-6. Groundwater levels stabilized at depths between 8.8 and 9.2 feet bgs.

November 1996 One 550-gallon waste oil UST was removed and the product lines and dispensers were replaced. A soil sample collected from the sidewall of the waste oil UST excavation contained 1.5 ppm total petroleum hydrocarbons as diesel (TPH-D) and 78 ppm total oil and grease (TOG). TPH-G, benzene, methyl tertiary butyl ether (MTBE), halogenated volatile organic compounds (HVOCs), and semi-volatile organic compounds (SVOCs) were not detected. Product line trench excavation and over excavation samples were reported to contain petroleum hydrocarbon levels ranging from non-detect to 880 ppm of TPH-G, non-detect to 3.6 ppm of benzene, and non-detect to 23 ppm of MTBE. Approximately 276 tons of excavated soil was transported to an appropriate disposal facility.

June 1997 Two exploratory borings (U-D and U-E) and one UST observation well were installed. U-D was advanced offsite on Lakeshore Avenue. TPH-G, BTEX, and MTBE were detected in one or all of the soil samples collected at the capillary fringe from the soil borings. TPH-G and MTBE were detected at a maximum of 450 ppm and 1.1 ppm, respectively, in U-D.

October 2003 Site environmental consulting responsibilities were transferred to TRC.

Attachment A: Previous Investigations and Site History Summary
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

April 2006 Three ozone sparge wells (C-1 through C-3) were installed by TRC in the vicinity of U-2 for the purpose of an ozone pilot study. Total purgeable petroleum hydrocarbons (TPPH) were detected at a maximum of 4,600 milligrams per kilograms (mg/kg) in the five feet below grade (fbg) soil sample collected from C-1.

June through August 2006 A 3-month ozone sparge event was completed on sparge points C-1 through C-3 located in the vicinity of Site well U-2 using a mobile ozone sparge treatment system.

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

SENSITIVE RECEPTORS

Lake Merritt is located approximately 0.3 miles downgradient. No domestic water wells are located within a one mile distance of the site.

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: 155325 **Site Address:** 3300 LAKESHORE AVE

Field Technician: J. PROVENZ **Date:** 6/28/10 **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
	U-1	G	G	G	G	G	N	3	0905	6.71	13.13	–	–	
	U-2	P	P	P	G	G	N	3	0834	4.97	19.65	–	–	MEASURED @ TOP OF CASING NOT @ COVER 3/3 BOLTS MISSING
	U-3	P	P	P	G	G	N	3	0855	10.67	19.21	–	–	3/3 TABS STRIPPED
	U-4	G	G	G	G	G	Y	4	0900	8.30	19.40	–	–	
	U-5	G	G	G	G	G	N	4	0845	5.51	19.89	–	–	
	U-6	G	G	G	G	G	N	2	0915	4.77	12.11	–	–	

Notes:

DELTA

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

COP-ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-1	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	6.71	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	13.13	Water Column Height (ft):	6.42

Purging Info and Calculations:

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

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

Sample Collection Method:
X Disposable Bailer W/ BED
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:

Water Column Height (ft): 6.42 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 2.4

Casing Volume (gal): 2.4 X Specified Volumes: 3 = Calculated Purge (gal): 7.2

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius² * 0.163

Purge: **Start Time:** 1204 **Stop Time:** 1209

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				—		—		
1205	20.64	6.48	1788	-8.9	76	0.66	1.2	
1206	21.43	6.46	1014	-31.8	34	1.27	2.4	
1207	20.55	6.44	933	-38.3	27	0.92	3.6	
1208	20.50	6.46	937	-53.9	20	0.80	4.8	
1209	20.29	6.51	951	-58.4	14	0.74	6.0	
1300	20.53	6.70	1077	-52.4	163	0.81	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 7.0

Other Comments: 80% @ 7.99 ; DTW: 7.31 Fe^{2+}: 4.0 mg/L

Sample Info:

Sample ID: U-1 _ 20100630 Sample Date and Time: 6/28/10 @ 1300

Selected Analysis: SEE COC

Signature: Date: 6/28/10

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:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-2	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	4.97	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.65	Water Column Height (ft):	14.68

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

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

Sample Collection Method:

X Disposable Bailer W/BED
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 14.68 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 5.4

Casing Volume (gal): 5.4 X Specified Volumes: 3 = Calculated Purge (gal): 17.2

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

Purge: **Start Time:** 1117 **Stop Time:** 1140

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				—		—		
1118	19.60	6.44	1548	-36.9	142	0.52	2.7	
1140	20.36	6.41	1213	-73.6	25	0.96	5.4	
1430	19.49	6.80	1770	8.7	423	1.91	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 6.5

Other Comments: 80% @ 7.91 ; DTW: 12.62 Fe^{2+}: 3.2 mg/L

Sample Info:

Sample ID: U-2_20100630 Sample Date and Time: 6/28/10 @ 1430

Selected Analysis: SEE COC

Signature: _____ Date: 6/28/10

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:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-3	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	10.67	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.21	Water Column Height (ft):	8.54

Purging Info and Calculations:

Purge Method:
Low-Flow
X 3 casing volumes
Other:

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

Sample Collection Method:
X Disposable Bailer W/BOD
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:

Water Column Height (ft): 8.54 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 3.2

Casing Volume (gal): 3.2 X Specified Volumes: 3 = Calculated Purge (gal): 9.6

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius² * 0.163

Purge: **Start Time:** 1011 **Stop Time:** 1014

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				—		—		
1012	18.33	6.60	954	73.4	>1000	1.34	1.6	
1013	18.77	6.93	967	65.8	41	0.91	3.2	
1014	19.04	6.89	961	59.0	21	0.99	4.8	
~~1015~~							~~5.1~~	
1130	19.25	7.25	931	-17.0	20	2.29	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 5.0

Other Comments: 80% @ 12.38 ; DTW: 11.40

Sample Info:

Sample ID:	U-3_20100630	Sample Date and Time:	6/28/10 @ 1130
Selected Analysis:	SEE COC		

Signature: [signature] Date: 6/28/10

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:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-4	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	8.30	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.40	Water Column Height (ft):	11.10.

Purging Info and Calculations:

Purge Method:
Low-Flow
X 3 casing volumes
Other:_____

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

Sample Collection Method:
X Disposable Bailer w/ BED
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 11.10 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 7.3

Casing Volume (gal): 7.3 X Specified Volumes: 3 = Calculated Purge (gal): 21.9

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

Purge: **Start Time:** 1029 **Stop Time:** 1034

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				—		—		
1030	20.17	7.15	1027	42.4	10	0.92	3.7	
1031	20.75	7.14	1009	40.9	4	1.42	7.4	
1032	20.95	7.15	1034	40.5	3	1.72	11.1	
1033	20.46	7.19	1030	40.9	3	1.91	14.8	
1034	20.44	7.19	1032	40.4	2	2.01	18.5	
1340	22.34	7.46	991	-21.5	37	2.95	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 19.0

Other Comments: 80% @ 1052 ; DTW: 14.27 Fe 2+: 0.0 mg/L

Sample Info:

Sample ID: U-4 _ 20100630 Sample Date and Time: 6/28/10 @ 1340

Selected Analysis: SEE COC

Signature: _____ Date: 6/28/10

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:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-5	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	5.51	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.89	Water Column Height (ft):	14.38

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

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

Sample Collection Method:

X Disposable Bailer w/BCD
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 14.38 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 9.5

Casing Volume (gal): 9.5 X Specified Volumes: 3 = Calculated Purge (gal): 28.5

Conversion Factors (gal/ft): 2" = 0.17 4" = 0.66 6" = 1.5 8" = 2.6 Other = radius² * 0.163

Purge: **Start Time:** 1055 **Stop Time:** 1103

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				—		—		
1057	19.31	6.42	487	-8.4	5	0.33	4.8	
1059	20.66	6.40	489	-18.6	4	0.29	9.6	
1101	20.12	6.52	587	-38.2	3	0.29	14.4	
1103	19.57	6.54	763	-43.8	8	0.31	19.2	
1115	21.31	6.85	1076	-12.4	55	1.19	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 23.0

Other Comments: 80% @ 8.38 ; DTW: 7.15

Sample Info:

Sample ID: U-5_20100630 Sample Date and Time: 6/28/10 @ 1115

Selected Analysis: SEE COC

Signature: _____ Date: 6/28/10

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:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-6	Date:	6/28/10
Depth to Water (DTW) (ft bgs):	4.77	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	12.11	Water Column Height (ft):	17.34

Purging Info and Calculations:

Purge Method:
Low-Flow
X 3 casing volumes
Other:_____

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

Sample Collection Method:
X Disposable Bailer w/ bottom
Extraction Port
Dedicated Tubing
Disposable Tubing
Other:_____

Water Column Height (ft): 17.34 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.95

Casing Volume (gal): 3.0 X Specified Volumes: 3 = Calculated Purge (gal): 9.0

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

Purge: **Start Time:** 0922 **Stop Time:** 0934

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				—		—		
0924	20.57	7.20	147	-139.8	>1000	2.13	1.5	
0926	19.30	6.82	143	-130.5	>1000	2.19	3.0	
0928	19.09	6.57	140	-129.9	>1000	0.90	4.5	
0930	18.91	6.49	157	-75.9	>1000	0.87	6.0	
0932	18.84	6.41	151	-74.8	>1000	0.81	7.5	
0934	18.63	6.39	143	-71.5	>1000	0.83	9.0	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 9.0

Other Comments: 80% @ 8.24 ; DTW: 8.22

MS/MSD

Sample Info:

Sample ID: U-6_20100630 Sample Date and Time: 6/28/10 @1000

Selected Analysis: SEE COC

Signature: _____ Date: 6/28/10

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

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 ____

McCampbell Analytical (bill PACE)

Required Lab Information:		Required Project Information:				Required Invoice Information:					
Lab Name:	Pace-Seattle	Site ID #:	255325	Task:	WG_S_201006	Send Invoice to:	David Sowle				3Q10 GW Event
Address:		Delta project #				Address:	11050 White Rock Road, Suite 110			Turn around time (days)	10
940 S. Harney Street Seattle WA 98108		Site Address	3200 LAKESHORE AVE			City/State	Rancho Cordova CA 95670	Phone #:	1-800-477-7411	QC level Required: Standard	Special / Mark one
Lab PM:	Regina Ste. Marie	City	OAKLAND	State	CA 94610	Reimbursement project?		Non-reimbursement project?	Y / Mark one	NJ Reduced Deliverable Package?	
Phone/Fax:	P: 206-957-2433 F: 206-767-5063	Delta PM Name	Dennis Dettloff			Send EDD to	copeltdata@Intelligentehs.com			MA MCP Cert?	CT RCP Cert? / Mark One
Lab PM email	Regina.SteMarie@pacelabs.com	Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385			CC Hardcopy report to				Lab Project ID (lab use)	
Applicable Lab Quote #:		Delta PM Email:	ddettloff@deltaenv.com			CC Hardcopy report to				Requested Analyses	

Valid Matrix Codes: MATRIX — DRINKING WATER (WP), GROUND WATER (WG), WASTE WATER (WW), FREE PRODUCT (FP), SOIL (SO), OIL (OL), WATER (W), SURFACE WATER (SW), WATER QC (WQ), SLUDGE (SL)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE) Samples	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	Bromide 300.1	Bromate 300.1	Methane RSK174	Ammonia 350.1	Carbon Dioxide 4153	Bacteria Enumeration SM9223	Hexavalent Cr 218.6	Trivalent Cr (Calc)	Total Cr 6010	Comments/Lab Sample I.D.
1	U-1_20100630	WG	G	6/28	1300	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	
2	U-2_20100630	WG	"	"	1430	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	
4	U-4_20100630	WG	"	"	1340	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	***Hex Cr has short hold 24 hours***
5																									
6																									
8																									
9																									
10																									
11																									
12																									

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	6/28	1605	Dah Cal	6/28/10	1608

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

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

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed: Time:

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

Inogen Environmental Alliance

20100630 255325 WG_S_201006 BO

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 ____

PACE ANALYTICAL- SEATTLE (Subcontract Samples)

Required Lab Information:		Required Project Information:				Required Invoice Information:					
Lab Name:	Pace-Seattle	Site ID #:	255325	Task:	WG_S_201006	Send Invoice to:	David Sowle				
Address:		Delta project #				Address:	11050 White Rock Road, Suite 110				
940 S. Harney Street Seattle WA 98108		Site Address	3200 LAKESHORE AVE			City/State	Rancho Cordova CA 95670	Phone #:	1-800-477-7411		
Lab PM:	Regina Ste. Marie	City	OAKLAND	State	CA 94610	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					

3Q10 GW Event

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	DW	WATER	W
GROUND WATER	GW	SURFACE WATER	SW
WASTE WATER	WW	WATER OC	WO
FREE PRODUCT	LP	SLUDGE	SL
SOIL	SO	RINSATE	RS
OIL	OL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TS
AMBIENT AIR	AA		
SVE AIR	AE		
SOIL GAS	SG		

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: 353.2/Nitrate/N	300.0 Sulfate	6010/Iron/Total	8260 GC/MS GRO	8260/BenMTBE/TOxy/CA	Acetone (8260)	Chloride 300	Ferrous Fe & Ferric Fe 3500	TKN 351.2	Nitrite 353.2	*6010 Metals list*	BOD 5210B	COD 410.4	Hg 7470	Comments/Lab Sample I.D.
1	U-1_20100630	WG	G	6/28/10	1300	10	N	2	1	1	6					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	U-2_20100630	WG			1430	10	N	2	1	1	6					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	U-3_20100630	WG			1130	6	N				6					X	X	X	X	X										
4	U-4_20100630	WG			1340	10	N	2	1	1	6					X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5	U-5_20100630	WG			1415	6	N				6					X	X	X	X	X										7 OXYs = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB and ethanol
6	U-6_20100630	WG			1000	10	N				10					X	X	X	X	X										
7	TB1_20100630	W			800	4	N				4																			
8																														
9																														*6010 Metals list: Mn, Ag, As, Ba, Be, Cd, Co, Mo, Ni, Pb, Sb, Se, Tl and Zn*
10																														
11																														
12																														

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
DK / DS	6/28	1600			

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: J. Pace
SIGNATURE of SAMPLER:
DATE Signed: 6/28/10 Time: 1600

Inogen Inogen Inogen Inogen Environmental Alliance

Final 1 (7/12/06. AMTalt

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	COP @ OAKLAND			PROJECT NUMBER	100628-JP1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	09B100592	6/28/10	pH 7/10/4/10 cond 3900	6.98/4.01/9.99 3891	YES	21.74	JP
			DO - 100% ORP - 235	98.1% 239.6			

COP-ELT Well-Head Inspection & Well Gauging Form

Project No: 255325 **Site Address:** 3200 LAKESHORE AVE

Field Technician: J. PRIOLEAU **Date:** 6/30/10 **Weather:** SUNNY

Sample Order	Field Point	Well Condition: Bolts	Seal	Lid Secure	Lock	Expanding Cap	Water in Well Box	Well Casing Dia.	Gauging Information: Time	Depth to Water (Feet)	Depth to Bottom (Feet)	Depth to LNAPL (Feet)	LNAPL Thickness (Feet)	Comments
	U-3	P	P	P	G	G	N	3	0808	10.74	19.10	—	—	3/3 TABS STRIPPED
	U-5	G	G	G	G	G	N	4	0821	5.71	19.90	—	—	
	U-6	G	G	G	G	G	N	2	0728	4.97	22.15	—	—	

Notes:

DELTA

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

COP-ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE		
Project No:	255325	Field Technician:	J.PARKER
Field Point:	U-3	Date:	6/30/10
Depth to Water (DTW) (ft bgs):	10.74	Well Diameter (in):	2 4 6 8 (3)
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.20	Water Column Height (ft):	8.46

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

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

Sample Collection Method:

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

Water Column Height (ft): 8.46 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 3.1

Casing Volume (gal): 3.1 X Specified Volumes: 3 = Calculated Purge (gal): 9.3

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

Purge: **Start Time:** 0812 **Stop Time:** 0814

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				—		—		
0813	17.36	6.67	173	105	>1000	1.66	1.6	
0814	18.19	6.90	939	-5.1	>1000	1.54	3.2	
							4.8	
0920	18.80	6.99	883	16.7	117	2.27	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 4.0

Other Comments: 80% @ 1443 ; DTW: 11.31

Sample Info:

Sample ID: U-3_10100630 Sample Date and Time: 6/30/10 @ 0920

Selected Analysis: SE COC

Signature: _____ Date: 6/30/10

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:	3200 LAKESHORE AVE		
Project No:	255325	Field Technician:	J. FARVER
Field Point:	U-5	Date:	6/30/10
Depth to Water (DTW) (ft bgs):	5.71	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.90	Water Column Height (ft):	14.19

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

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

Sample Collection Method:

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

Water Column Height (ft): 14.19 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 9.4

Casing Volume (gal): 9.4 X Specified Volumes: 3 = Calculated Purge (gal): 28.2

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

Purge: **Start Time:** 0823 **Stop Time:** 0830

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				—		—		
0825	18.88	6.70	1295	-198.8	72	0.50	4.7	
0827	19.96	6.62	608	-224.9	11	0.49	9.4	
0828	20.37	6.56	1248	-220.0	8	0.58	14.1	
0830	19.95	6.61	1263	-224.6	51	0.61	18.8	
0945	19.13	6.89	1140	-76.2	431	2.22	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 20.0

Other Comments: 80% @ 8.55; DTW: 8.39

Sample Info:

Sample ID:	U-5_20100630	Sample Date and Time:	6/30/10 @ 0945
Selected Analysis:	SEE COC		

Signature: _____ Date: 6/30/10

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:	3200 LAKESHORE AVE		
Project No:	255325	Field Technician:	J. PAEKER
Field Point:	U-6	Date:	6/30/10
Depth to Water (DTW) (ft bgs):	4.97	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	22.15	Water Column Height (ft):	17.18

Purging Info and Calculations:

Purge Method:

Low-Flow
X 3 casing volumes
Other:_____

Purge Equipment:

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

Sample Collection Method:

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

Water Column Height (ft): 17.18 X Conversion Factor (gal/ft): 0.17 = Casing Volume (gal): 2.9

Casing Volume (gal): 2.9 X Specified Volumes: 3 = Calculated Purge (gal): 8.7

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

Purge: **Start Time:** 0741 **Stop Time:** 0747

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				—		—		
0742	18.24	6.48	940	-108.3	12	1.60	1.5	
0743	17.93	6.52	162	-29.6	>1000	1.65	3.0	
0744	18.19	6.41	177	-9.0	>1000	1.63	4.5	
0745	18.15	6.50	189	-10.8	>1000	1.57	6.0	
0746	18.07	6.50	193	-13.6	>1000	1.51	7.5	
0747	17.99	6.50	197	-14.7	>1000	1.51	9.0	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 9.0

Other Comments: 80% @ 8.41 ; DTW 8.40

Sample Info:

Sample ID: U-6_20100630 Sample Date and Time: 6/30/10 @ 0800

Selected Analysis: SEE COC

Signature: _____ Date: 6/30/10

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

20100630 255325 WG_S_201006 BO (2)

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 ____

PACE ANALYTICAL- SEATTLE (Subcontract Samples)

Required Lab Information:		Required Project Information:				Required Invoice Information:					
Lab Name:	Pace-Seattle	Site ID #:	255325	Task:	WG_S_201006	Send Invoice to:	David Sowle				
Address:		Delta project #				Address:	11050 White Rock Road, Suite 110				
940 S. Harney Street Seattle WA 98108		Site Address	3200 LAKESHORE AVE			City/State	Rancho Cordova CA 95670	Phone #:	1-800-477-7411		
Lab PM:	Regina Ste. Marie	City	OAKLAND	State	CA 94610	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	copelldata@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					

3Q10 GW Event

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	DW	WATER	W
GROUND WATER	GW	SURFACE WATER	WS
WASTE WATER	WW	WATER OC	WO
FREE PRODUCT	LP	SLUDGE	SL
SOIL	SO	RINSATE	WY
OIL	OL	OTHER	OT
WIPE	SW	ANIMAL TISSUE	TA
AIRSAMPLE	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: 353.2/Nitrate/N	300.0 Sulfate	8010/8021Total	8260 GC/MS GRO	8260B/MTBE/OxyCA	Acetone (8260)	Chloride 300	Ferrous Fe & Ferric Fe 3500	TKN 351.2	Nitrite 300.0	6010 Metals list*	BOD 5210B	COD 410.4	Ph 7410	Comments/Lab Sample I.D.
1	~~U-1_20100630~~	WG														x	x	x	x	x	x	x	x	x	x	x	x	x	
2	~~U-2_20100630~~	WG														x	x	x	x	x	x	x	x	x	x	x	x	x	
3	U-3_20100630	WG	G	6/30	0920	3	N	1	1	1						x	x	x	x	x					X				
4	~~U-4_20100630~~	WG														x	x	x	x	x	x	x	x	x	x	x	x	x	
5	U-5_20100630	WG	G	6/30	0945	3	N	1	1	1						x	x	x	x	x					X				
6	U-6_20100630	WG	G	6/30	0800	3	N	1	1	1						x	x	x	x	x					X				
7	~~TB1_20100630~~	W																											
8																													
9																													
10																													
11																													
12																													

Comments/Lab Sample I.D.

WP3 6/29/10

7 OXYs = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB and ethanol

*6010 Metals list: Mn, Ag, As, Ba, Be, Cd, Co, Mo, Ni, Pb, Sb, Se, Tl, V and Zn

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Parker

SIGNATURE of SAMPLER:

DATE Signed: 6/30/10 Time: 1645

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?

Inogen Environmental Alliance

Final 11/13/06. AMTait

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME COP @ LAKESHORE				PROJECT NUMBER 100630-JP1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	10A101420	6/30/10	pH 7/10/4 3900 cond	7/10/4 3892	YES	19.6	JP
			DO 100% ORP 243	100% 243.0	↓		

Attachment D

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

Pace Analytical®
www.pacelabs.com

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

July 14, 2010

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

RE: Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Dear Dennis Dettloff:
Enclosed are the analytical results for sample(s) received by the laboratory on June 29, 2010. 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.

For samples U-3, U-5, and U-6, no containers were received for NO3, SO4, or Fe analysis. Client plans to resample for these tests only and gave permission to proceed with Volatiles and GRO analysis.

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

Sincerely,

Regina Ste. Marie

Regina SteMarie

regina.stemarie@pacelabs.com
Project Manager

Enclosures

cc: Tara Bosch, ELT_Delta Consultants Sacramento
Jonathon Fillingame, ELT_Delta Consultants Sacramento
Lia Holden, ELT-Delta Consultants
Josh Mahoney, ELT_Delta Consultants San Jose
Tony Perini, ELT_Delta Consultants San Jose
Nicole Persaud, ELT-Delta Consultants
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®
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940 South Harney
Seattle, WA 98108
(206)767-5060

CERTIFICATIONS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

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

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Seattle, WA 98108
(206)767-5060

SAMPLE ANALYTE COUNT

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
254081001	U-1_20100630	EPA 6010	BGA	16	PASI-S
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LNH	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	KMT	1	PASI-S
		EPA 300.0	BPR	2	PASI-S
		EPA 351.2	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		EPA 410.4	CMS	1	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S
254081002	U-2_20100630	EPA 6010	BGA	16	PASI-S
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LNH	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	KMT	1	PASI-S
		EPA 300.0	BPR	2	PASI-S
		EPA 351.2	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		EPA 410.4	CMS	1	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S
254081003	U-4_20100630	EPA 6010	BGA	16	PASI-S
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LPM	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	KMT	1	PASI-S
		EPA 300.0	BPR	2	PASI-S
		EPA 351.2	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		EPA 410.4	CMS	1	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S
254081004	U-3_20100630	EPA 5030B/8260	LNH	16	PASI-S

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

SAMPLE ANALYTE COUNT

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		CA LUFT	LNH	2	PASI-S
254081005	U-5_20100630	EPA 5030B/8260	LNH	16	PASI-S
		CA LUFT	LNH	2	PASI-S
254081006	U-6_20100630	EPA 5030B/8260	LPM	16	PASI-S
		CA LUFT	LNH	2	PASI-S
254081007	TB1_20100630	EPA 5030B/8260	LPM	16	PASI-S
		CA LUFT	LNH	2	PASI-S

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Seattle, WA 98108
(206)767-5060

ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-1_20100630 **Lab ID: 254081001** Collected: 06/28/10 13:00 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	60.0	1	06/30/10 08:18	07/01/10 12:48	7440-36-0	
Arsenic	**52.5**	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:48	7440-38-2	
Barium	**293**	ug/L	100	1	06/30/10 08:18	07/01/10 12:48	7440-39-3	
Beryllium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:48	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:48	7440-43-9	
Cobalt	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:48	7440-48-4	
Iron	**27700**	ug/L	100	1	06/30/10 08:18	07/01/10 12:48	7439-89-6	
Lead	**13.2**	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:48	7439-92-1	
Manganese	**3290**	ug/L	15.0	1	06/30/10 08:18	07/01/10 12:48	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:48	7439-98-7	
Nickel	ND	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:48	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:48	7782-49-2	
Silver	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:48	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:48	7440-28-0	
Vanadium	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:48	7440-62-2	
Zinc	**107**	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:48	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/06/10 10:52	07/06/10 16:01	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	5.0	1		07/01/10 14:17	67-64-1	
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/01/10 14:17	994-05-8	
Benzene	ND	ug/L	0.50	1		07/01/10 14:17	71-43-2	
tert-Butyl Alcohol	**1110**	ug/L	5.0	1		07/01/10 14:17	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/01/10 14:17	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/01/10 14:17	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		07/01/10 14:17	108-20-3	
Ethanol	ND	ug/L	250	1		07/01/10 14:17	64-17-5	
Ethylbenzene	**2.1**	ug/L	0.50	1		07/01/10 14:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/01/10 14:17	637-92-3	
Methyl-tert-butyl ether	**5.1**	ug/L	0.50	1		07/01/10 14:17	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/01/10 14:17	108-88-3	
Xylene (Total)	**2.2**	ug/L	1.5	1		07/01/10 14:17	1330-20-7	
4-Bromofluorobenzene (S)	94	%	80-120	1		07/01/10 14:17	460-00-4	
Dibromofluoromethane (S)	113	%	80-122	1		07/01/10 14:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	80-124	1		07/01/10 14:17	17060-07-0	
Toluene-d8 (S)	91	%	80-123	1		07/01/10 14:17	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**7090**	ug/L	500	10		07/06/10 15:30		
4-Bromofluorobenzene (S)	95	%	82-116	10		07/06/10 15:30	460-00-4	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	**23700**	ug/L	100	1		07/08/10 08:45	7439-89-6	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-1_20100630 **Lab ID: 254081001** Collected: 06/28/10 13:00 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	**4000**	ug/L	100	1		06/28/10 13:00		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**23400**	ug/L	2000	1	06/30/10 12:40	07/05/10 14:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**43800**	ug/L	20000	20		07/03/10 19:17	16887-00-6	
Sulfate	ND	ug/L	1000	1		07/07/10 12:56	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**8800**	ug/L	1000	1		07/08/10 22:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		07/07/10 15:56		
Nitrogen, NO2 plus NO3	**112**	ug/L	50.0	1		07/07/10 15:56		
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**113000**	ug/L	5000	1		07/12/10 11:00		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**131**	ug/L	50.0	1		06/30/10 12:59	14797-65-0	

Sample: U-2_20100630 **Lab ID: 254081002** Collected: 06/28/10 14:30 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	60.0	1	06/30/10 08:18	07/01/10 12:56	7440-36-0	
Arsenic	**100**	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:56	7440-38-2	
Barium	**264**	ug/L	100	1	06/30/10 08:18	07/01/10 12:56	7440-39-3	
Beryllium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:56	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:56	7440-43-9	
Cobalt	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:56	7440-48-4	
Iron	**5760**	ug/L	100	1	06/30/10 08:18	07/01/10 12:56	7439-89-6	
Lead	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:56	7439-92-1	
Manganese	**5180**	ug/L	15.0	1	06/30/10 08:18	07/01/10 12:56	7439-96-5	
Molybdenum	**60.3**	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:56	7439-98-7	
Nickel	ND	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:56	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:56	7782-49-2	
Silver	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:56	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:56	7440-28-0	
Vanadium	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:56	7440-62-2	
Zinc	ND	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:56	7440-66-6	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-2_20100630 **Lab ID: 254081002** Collected: 06/28/10 14:30 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/06/10 10:52	07/06/10 16:03	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**29.5**	ug/L	5.0	1		07/01/10 17:57	67-64-1	
tert-Amylmethyl ether	**0.53**	ug/L	0.50	1		07/02/10 12:45	994-05-8	
Benzene	**0.64**	ug/L	0.50	1		07/02/10 12:45	71-43-2	
tert-Butyl Alcohol	**3750**	ug/L	25.0	5		07/01/10 18:19	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/02/10 12:45	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/02/10 12:45	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		07/02/10 12:45	108-20-3	
Ethanol	ND	ug/L	250	1		07/02/10 12:45	64-17-5	
Ethylbenzene	**18.5**	ug/L	0.50	1		07/02/10 12:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/02/10 12:45	637-92-3	
Methyl-tert-butyl ether	**55.9**	ug/L	0.50	1		07/02/10 12:45	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/02/10 12:45	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		07/02/10 12:45	1330-20-7	
4-Bromofluorobenzene (S)	88	%	80-120	1		07/02/10 12:45	460-00-4	
Dibromofluoromethane (S)	108	%	80-122	1		07/02/10 12:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	80-124	1		07/02/10 12:45	17060-07-0	
Toluene-d8 (S)	89	%	80-123	1		07/02/10 12:45	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**4900**	ug/L	250	5		07/01/10 18:19		
4-Bromofluorobenzene (S)	95	%	82-116	5		07/01/10 18:19	460-00-4	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	**2560**	ug/L	100	1		07/08/10 08:45	7439-89-6	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	**3200**	ug/L	100	1		06/28/10 14:30		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**12300**	ug/L	2000	1	06/30/10 12:40	07/05/10 14:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**74000**	ug/L	20000	20		07/03/10 19:34	16887-00-6	
Sulfate	**96000**	ug/L	20000	20		07/03/10 19:34	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**4330**	ug/L	1000	1		07/08/10 22:22	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**62.1**	ug/L	50.0	1		07/07/10 16:01		
Nitrogen, NO2 plus NO3	**81.5**	ug/L	50.0	1		07/07/10 16:01		

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-2_20100630 **Lab ID: 254081002** Collected: 06/28/10 14:30 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**62100**	ug/L	5000	1		07/12/10 11:00		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**19.4**	ug/L	10.0	1		06/30/10 12:59	14797-65-0	

Sample: U-4_20100630 **Lab ID: 254081003** Collected: 06/28/10 13:40 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	60.0	1	06/30/10 08:18	07/01/10 12:59	7440-36-0	
Arsenic	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:59	7440-38-2	
Barium	ND	ug/L	100	1	06/30/10 08:18	07/01/10 12:59	7440-39-3	
Beryllium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:59	7440-41-7	
Cadmium	ND	ug/L	5.0	1	06/30/10 08:18	07/01/10 12:59	7440-43-9	
Cobalt	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:59	7440-48-4	
Iron	**395**	ug/L	100	1	06/30/10 08:18	07/01/10 12:59	7439-89-6	
Lead	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:59	7439-92-1	
Manganese	**19.7**	ug/L	15.0	1	06/30/10 08:18	07/01/10 12:59	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:59	7439-98-7	
Nickel	ND	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:59	7440-02-0	
Selenium	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:59	7782-49-2	
Silver	ND	ug/L	10.0	1	06/30/10 08:18	07/01/10 12:59	7440-22-4	
Thallium	ND	ug/L	20.0	1	06/30/10 08:18	07/01/10 12:59	7440-28-0	
Vanadium	ND	ug/L	50.0	1	06/30/10 08:18	07/01/10 12:59	7440-62-2	
Zinc	ND	ug/L	40.0	1	06/30/10 08:18	07/01/10 12:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	07/06/10 10:52	07/06/10 16:05	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	5.0	1		07/03/10 00:43	67-64-1	
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/03/10 00:43	994-05-8	
Benzene	ND	ug/L	0.50	1		07/03/10 00:43	71-43-2	L3
tert-Butyl Alcohol	ND	ug/L	5.0	1		07/03/10 00:43	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/03/10 00:43	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/03/10 00:43	107-06-2	L3
Diisopropyl ether	ND	ug/L	0.50	1		07/03/10 00:43	108-20-3	L3
Ethanol	ND	ug/L	250	1		07/03/10 00:43	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		07/03/10 00:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 00:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 00:43	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/03/10 00:43	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		07/03/10 00:43	1330-20-7	
4-Bromofluorobenzene (S)	117	%	80-120	1		07/03/10 00:43	460-00-4	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-4_20100630 **Lab ID: 254081003** Collected: 06/28/10 13:40 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Dibromofluoromethane (S)	92	%	80-122	1		07/03/10 00:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	80-124	1		07/03/10 00:43	17060-07-0	
Toluene-d8 (S)	109	%	80-123	1		07/03/10 00:43	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		06/30/10 14:02		
4-Bromofluorobenzene (S)	93	%	82-116	1		06/30/10 14:02	460-00-4	
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	**395**	ug/L	100	1		07/08/10 08:45	7439-89-6	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	ND	ug/L	100	1		06/28/10 13:40		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	ug/L	2000	1	06/30/10 12:40	07/05/10 14:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**41100**	ug/L	20000	20		07/03/10 19:52	16887-00-6	
Sulfate	**82700**	ug/L	20000	20		07/03/10 19:52	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	ug/L	1000	1		07/08/10 22:24	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4870**	ug/L	250	5		07/07/10 16:35		
Nitrogen, NO2 plus NO3	**4880**	ug/L	250	5		07/07/10 16:35		
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	ND	ug/L	5000	1		07/12/10 11:00		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	ug/L	10.0	1		06/30/10 12:59	14797-65-0	

Sample: U-3_20100630 **Lab ID: 254081004** Collected: 06/28/10 11:30 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/09/10 17:15	994-05-8	
Benzene	ND	ug/L	0.50	1		07/09/10 17:15	71-43-2	
tert-Butyl Alcohol	ND	ug/L	5.0	1		07/09/10 17:15	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/09/10 17:15	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/09/10 17:15	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-3_20100630 **Lab ID: 254081004** Collected: 06/28/10 11:30 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Diisopropyl ether	ND	ug/L	0.50	1		07/09/10 17:15	108-20-3	
Ethanol	ND	ug/L	250	1		07/09/10 17:15	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		07/09/10 17:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/09/10 17:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/09/10 17:15	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/09/10 17:15	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		07/09/10 17:15	1330-20-7	
4-Bromofluorobenzene (S)	101	%	80-120	1		07/09/10 17:15	460-00-4	
Dibromofluoromethane (S)	111	%	80-122	1		07/09/10 17:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	80-124	1		07/09/10 17:15	17060-07-0	
Toluene-d8 (S)	102	%	80-123	1		07/09/10 17:15	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		06/30/10 14:23		
4-Bromofluorobenzene (S)	96	%	82-116	1		06/30/10 14:23	460-00-4	

Sample: U-5_20100630 **Lab ID: 254081005** Collected: 06/28/10 14:15 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/09/10 17:37	994-05-8	
Benzene	ND	ug/L	0.50	1		07/09/10 17:37	71-43-2	
tert-Butyl Alcohol	**66.6**	ug/L	5.0	1		07/09/10 17:37	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/09/10 17:37	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/09/10 17:37	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		07/09/10 17:37	108-20-3	
Ethanol	ND	ug/L	250	1		07/09/10 17:37	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		07/09/10 17:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/09/10 17:37	637-92-3	
Methyl-tert-butyl ether	**3.8**	ug/L	0.50	1		07/09/10 17:37	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/09/10 17:37	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		07/09/10 17:37	1330-20-7	
4-Bromofluorobenzene (S)	103	%	80-120	1		07/09/10 17:37	460-00-4	
Dibromofluoromethane (S)	112	%	80-122	1		07/09/10 17:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	114	%	80-124	1		07/09/10 17:37	17060-07-0	
Toluene-d8 (S)	100	%	80-123	1		07/09/10 17:37	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**144**	ug/L	50.0	1		07/06/10 15:05		
4-Bromofluorobenzene (S)	93	%	82-116	1		07/06/10 15:05	460-00-4	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: U-6_20100630 **Lab ID: 254081006** Collected: 06/28/10 10:00 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/03/10 01:52	994-05-8	
Benzene	ND	ug/L	0.50	1		07/03/10 01:52	71-43-2	L3,M0
tert-Butyl Alcohol	**11.4**	ug/L	5.0	1		07/03/10 01:52	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/03/10 01:52	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/03/10 01:52	107-06-2	L3,M0
Diisopropyl ether	ND	ug/L	0.50	1		07/03/10 01:52	108-20-3	L3,M0
Ethanol	ND	ug/L	250	1		07/03/10 01:52	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		07/03/10 01:52	100-41-4	M0
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 01:52	637-92-3	M0
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 01:52	1634-04-4	M0
Toluene	ND	ug/L	0.50	1		07/03/10 01:52	108-88-3	M0
Xylene (Total)	ND	ug/L	1.5	1		07/03/10 01:52	1330-20-7	M0
4-Bromofluorobenzene (S)	116	%	80-120	1		07/03/10 01:52	460-00-4	
Dibromofluoromethane (S)	93	%	80-122	1		07/03/10 01:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	80-124	1		07/03/10 01:52	17060-07-0	
Toluene-d8 (S)	111	%	80-123	1		07/03/10 01:52	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		06/30/10 16:06		
4-Bromofluorobenzene (S)	91	%	82-116	1		06/30/10 16:06	460-00-4	

Sample: TB1_20100630 **Lab ID: 254081007** Collected: 06/28/10 08:00 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		07/03/10 02:15	994-05-8	
Benzene	ND	ug/L	0.50	1		07/03/10 02:15	71-43-2	L3
tert-Butyl Alcohol	ND	ug/L	5.0	1		07/03/10 02:15	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/03/10 02:15	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/03/10 02:15	107-06-2	L3
Diisopropyl ether	ND	ug/L	0.50	1		07/03/10 02:15	108-20-3	L3
Ethanol	ND	ug/L	250	1		07/03/10 02:15	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		07/03/10 02:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 02:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/03/10 02:15	1634-04-4	
Toluene	ND	ug/L	0.50	1		07/03/10 02:15	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		07/03/10 02:15	1330-20-7	
4-Bromofluorobenzene (S)	112	%	80-120	1		07/03/10 02:15	460-00-4	
Dibromofluoromethane (S)	90	%	80-122	1		07/03/10 02:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	80-124	1		07/03/10 02:15	17060-07-0	
Toluene-d8 (S)	109	%	80-123	1		07/03/10 02:15	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		06/30/10 13:41		

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Sample: TB1_20100630 **Lab ID: 254081007** Collected: 06/28/10 08:00 Received: 06/29/10 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
CA LUFT MSV GRO	Analytical Method: CA LUFT							
4-Bromofluorobenzene (S)	92	%	82-116	1		06/30/10 13:41	460-00-4	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MPRP/1619 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 31774 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	60.0	07/01/10 12:43	
Arsenic	ug/L	ND	10.0	07/01/10 12:43	
Barium	ug/L	ND	100	07/01/10 12:43	
Beryllium	ug/L	ND	5.0	07/01/10 12:43	
Cadmium	ug/L	ND	5.0	07/01/10 12:43	
Cobalt	ug/L	ND	50.0	07/01/10 12:43	
Iron	ug/L	ND	100	07/01/10 12:43	
Lead	ug/L	ND	10.0	07/01/10 12:43	
Manganese	ug/L	ND	15.0	07/01/10 12:43	
Molybdenum	ug/L	ND	20.0	07/01/10 12:43	
Nickel	ug/L	ND	40.0	07/01/10 12:43	
Selenium	ug/L	ND	10.0	07/01/10 12:43	
Silver	ug/L	ND	10.0	07/01/10 12:43	
Thallium	ug/L	ND	20.0	07/01/10 12:43	
Vanadium	ug/L	ND	50.0	07/01/10 12:43	
Zinc	ug/L	ND	40.0	07/01/10 12:43	

LABORATORY CONTROL SAMPLE: 31775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	516	103	80-120	
Arsenic	ug/L	500	515	103	80-120	
Barium	ug/L	500	529	106	80-120	
Beryllium	ug/L	500	549	110	80-120	
Cadmium	ug/L	500	518	104	80-120	
Cobalt	ug/L	500	536	107	80-120	
Iron	ug/L	10000	11200	112	80-120	
Lead	ug/L	500	531	106	80-120	
Manganese	ug/L	500	536	107	80-120	
Molybdenum	ug/L	500	546	109	80-120	
Nickel	ug/L	500	541	108	80-120	
Selenium	ug/L	500	496	99	80-120	
Silver	ug/L	250	255	102	80-120	
Thallium	ug/L	500	521	104	80-120	
Vanadium	ug/L	500	545	109	80-120	
Zinc	ug/L	500	526	105	80-120	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31776 31777

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony	ug/L	ND	500	500	537	508	106	101	75-125	5	
Arsenic	ug/L	52.5	500	500	598	562	109	102	75-125	6	
Barium	ug/L	293	500	500	851	796	112	101	75-125	7	
Beryllium	ug/L	ND	500	500	590	553	118	111	75-125	7	
Cadmium	ug/L	ND	500	500	555	521	111	104	75-125	6	
Cobalt	ug/L	ND	500	500	544	513	109	102	75-125	6	
Iron	ug/L	27700	10000	10000	39100	36400	115	88	75-125	7	
Lead	ug/L	13.2	500	500	553	519	108	101	75-125	6	
Manganese	ug/L	3290	500	500	3910	3600	124	61	75-125	8	M1
Molybdenum	ug/L	ND	500	500	577	541	114	107	75-125	6	
Nickel	ug/L	ND	500	500	545	517	108	102	75-125	5	
Selenium	ug/L	ND	500	500	532	504	106	101	75-125	6	
Silver	ug/L	ND	250	250	271	254	108	102	75-125	6	
Thallium	ug/L	ND	500	500	528	493	105	98	75-125	7	
Vanadium	ug/L	ND	500	500	579	540	115	107	75-125	7	
Zinc	ug/L	107	500	500	634	596	105	98	75-125	6	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MERP/1191 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 32412 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	07/06/10 15:48	

LABORATORY CONTROL SAMPLE: 32413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32414 32415

Parameter	Units	254078002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	0.26	5	5	5.7	5.7	108	110	75-125	1	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2583
QC Batch Method: EPA 5030B/8260
Associated Lab Samples: 254081001

Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge

METHOD BLANK: 32020 Matrix: Water
Associated Lab Samples: 254081001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/01/10 12:33	
1,2-Dichloroethane	ug/L	ND	1.0	07/01/10 12:33	
Acetone	ug/L	ND	5.0	07/01/10 12:33	
Benzene	ug/L	ND	0.50	07/01/10 12:33	
Diisopropyl ether	ug/L	ND	0.50	07/01/10 12:33	
Ethanol	ug/L	ND	250	07/01/10 12:33	
Ethyl-tert-butyl ether	ug/L	ND	0.50	07/01/10 12:33	
Ethylbenzene	ug/L	ND	0.50	07/01/10 12:33	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/01/10 12:33	
tert-Amylmethyl ether	ug/L	ND	0.50	07/01/10 12:33	
tert-Butyl Alcohol	ug/L	ND	5.0	07/01/10 12:33	
Toluene	ug/L	ND	0.50	07/01/10 12:33	
Xylene (Total)	ug/L	ND	1.5	07/01/10 12:33	
1,2-Dichloroethane-d4 (S)	%	89	80-124	07/01/10 12:33	
4-Bromofluorobenzene (S)	%	90	80-120	07/01/10 12:33	
Dibromofluoromethane (S)	%	108	80-122	07/01/10 12:33	
Toluene-d8 (S)	%	94	80-123	07/01/10 12:33	

LABORATORY CONTROL SAMPLE: 32021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	22.2	111	78-117	
1,2-Dichloroethane	ug/L	20	20.4	102	73-127	
Acetone	ug/L	40	46.5	116	58-146	
Benzene	ug/L	20	22.1	110	75-124	
Diisopropyl ether	ug/L	20	15.4	77	69-130	
Ethanol	ug/L	400	298	74	36-177	
Ethyl-tert-butyl ether	ug/L	20	14.9	74	67-131	
Ethylbenzene	ug/L	20	20.5	103	76-124	
Methyl-tert-butyl ether	ug/L	20	14.7	73	72-130	
tert-Amylmethyl ether	ug/L	20	15.4	77	67-132	
tert-Butyl Alcohol	ug/L	100	71.2	71	36-164	
Toluene	ug/L	20	21.2	106	75-124	
Xylene (Total)	ug/L	60	66.6	111	76-123	
1,2-Dichloroethane-d4 (S)	%			87	80-124	
4-Bromofluorobenzene (S)	%			96	80-120	
Dibromofluoromethane (S)	%			103	80-122	
Toluene-d8 (S)	%			95	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32022 32023

Parameter	Units	254089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.6	18.9	93	94	78-117	2	
1,2-Dichloroethane	ug/L	ND	20	20	16.4	16.1	82	81	73-127	1	
Acetone	ug/L	ND	40	40	39.2	32.4	98	81	58-146	19	
Benzene	ug/L	ND	20	20	20.0	19.6	100	98	75-124	2	
Diisopropyl ether	ug/L	ND	20	20	18.9	17.9	94	90	69-130	5	
Ethanol	ug/L	ND	400	400	203J	320	51	80	36-177		
Ethyl-tert-butyl ether	ug/L	ND	20	20	17.6	16.7	88	84	67-131	5	
Ethylbenzene	ug/L	ND	20	20	19.5	18.3	97	91	76-124	6	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.9	17.0	90	85	72-130	5	
tert-Amylmethyl ether	ug/L	ND	20	20	18.0	16.9	90	85	67-132	6	
tert-Butyl Alcohol	ug/L	ND	100	100	72.0	79.6	72	80	36-164	10	
Toluene	ug/L	ND	20	20	19.7	19.2	98	96	75-124	3	
Xylene (Total)	ug/L	ND	60	60	61.7	58.4	102	97	76-123	5	
1,2-Dichloroethane-d4 (S)	%						81	81	80-124		
4-Bromofluorobenzene (S)	%						96	97	80-120		
Dibromofluoromethane (S)	%						98	99	80-122		
Toluene-d8 (S)	%						95	95	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2589 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 254081003, 254081006, 254081007

METHOD BLANK: 32253 Matrix: Water
Associated Lab Samples: 254081003, 254081006, 254081007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/02/10 21:16	
1,2-Dichloroethane	ug/L	ND	1.0	07/02/10 21:16	
Acetone	ug/L	ND	5.0	07/02/10 21:16	
Benzene	ug/L	ND	0.50	07/02/10 21:16	
Diisopropyl ether	ug/L	ND	0.50	07/02/10 21:16	
Ethanol	ug/L	ND	250	07/02/10 21:16	
Ethyl-tert-butyl ether	ug/L	ND	0.50	07/02/10 21:16	
Ethylbenzene	ug/L	ND	0.50	07/02/10 21:16	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/02/10 21:16	
tert-Amylmethyl ether	ug/L	ND	0.50	07/02/10 21:16	
tert-Butyl Alcohol	ug/L	ND	5.0	07/02/10 21:16	
Toluene	ug/L	ND	0.50	07/02/10 21:16	
Xylene (Total)	ug/L	ND	1.5	07/02/10 21:16	
1,2-Dichloroethane-d4 (S)	%	117	80-124	07/02/10 21:16	
4-Bromofluorobenzene (S)	%	117	80-120	07/02/10 21:16	
Dibromofluoromethane (S)	%	96	80-122	07/02/10 21:16	
Toluene-d8 (S)	%	104	80-123	07/02/10 21:16	

LABORATORY CONTROL SAMPLE: 32254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	19.3	96	78-117	
1,2-Dichloroethane	ug/L	20	26.0	130	73-127	L3
Acetone	ug/L	40	45.9	115	58-146	
Benzene	ug/L	20	25.0	125	75-124	L0
Diisopropyl ether	ug/L	20	26.4	132	69-130	L3
Ethanol	ug/L	400	483	121	36-177	
Ethyl-tert-butyl ether	ug/L	20	25.1	126	67-131	
Ethylbenzene	ug/L	20	23.5	117	76-124	
Methyl-tert-butyl ether	ug/L	20	24.8	124	72-130	
tert-Amylmethyl ether	ug/L	20	23.8	119	67-132	
tert-Butyl Alcohol	ug/L	100	112	112	36-164	
Toluene	ug/L	20	22.8	114	75-124	
Xylene (Total)	ug/L	60	69.7	116	76-123	
1,2-Dichloroethane-d4 (S)	%			121	80-124	
4-Bromofluorobenzene (S)	%			117	80-120	
Dibromofluoromethane (S)	%			107	80-122	
Toluene-d8 (S)	%			103	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32481 32482

Parameter	Units	254081006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.2	21.2	101	106	78-117	5	
1,2-Dichloroethane	ug/L	ND	20	20	26.5	28.3	132	142	73-127	7	M0
Acetone	ug/L	ND	40	40	36.5	36.4	91	91	58-146	.07	
Benzene	ug/L	ND	20	20	26.6	28.2	133	141	75-124	6	M0
Diisopropyl ether	ug/L	ND	20	20	28.0	29.2	140	146	69-130	4	M0
Ethanol	ug/L	ND	400	400	500	506	125	126	36-177	1	
Ethyl-tert-butyl ether	ug/L	ND	20	20	26.5	27.6	132	138	67-131	4	M0
Ethylbenzene	ug/L	ND	20	20	24.8	26.6	124	133	76-124	7	M0
Methyl-tert-butyl ether	ug/L	ND	20	20	26.2	27.5	131	138	72-130	5	M0
tert-Amylmethyl ether	ug/L	ND	20	20	24.7	26.2	124	131	67-132	6	
tert-Butyl Alcohol	ug/L	11.4	100	100	108	114	96	103	36-164	6	
Toluene	ug/L	ND	20	20	23.9	25.4	119	127	75-124	6	M0
Xylene (Total)	ug/L	ND	60	60	72.3	76.7	120	128	76-123	6	M0
1,2-Dichloroethane-d4 (S)	%						119	119	80-124		
4-Bromofluorobenzene (S)	%						116	115	80-120		
Dibromofluoromethane (S)	%						105	105	80-122		
Toluene-d8 (S)	%						101	102	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2610
QC Batch Method: EPA 5030B/8260
Associated Lab Samples: 254081002

Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge

METHOD BLANK: 32550 Matrix: Water
Associated Lab Samples: 254081002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/02/10 12:22	
1,2-Dichloroethane	ug/L	ND	1.0	07/02/10 12:22	
Acetone	ug/L	ND	5.0	07/01/10 12:33	
Benzene	ug/L	ND	0.50	07/02/10 12:22	
Diisopropyl ether	ug/L	ND	0.50	07/02/10 12:22	
Ethanol	ug/L	ND	250	07/02/10 12:22	
Ethyl-tert-butyl ether	ug/L	ND	0.50	07/02/10 12:22	
Ethylbenzene	ug/L	ND	0.50	07/02/10 12:22	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/02/10 12:22	
tert-Amylmethyl ether	ug/L	ND	0.50	07/02/10 12:22	
tert-Butyl Alcohol	ug/L	ND	5.0	07/01/10 12:33	
Toluene	ug/L	ND	0.50	07/02/10 12:22	
Xylene (Total)	ug/L	ND	1.5	07/02/10 12:22	
1,2-Dichloroethane-d4 (S)	%	84	80-124	07/02/10 12:22	
4-Bromofluorobenzene (S)	%	88	80-120	07/02/10 12:22	
Dibromofluoromethane (S)	%	105	80-122	07/02/10 12:22	
Toluene-d8 (S)	%	90	80-123	07/02/10 12:22	

LABORATORY CONTROL SAMPLE: 32551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	18.9	95	78-117	
1,2-Dichloroethane	ug/L	20	16.6	83	73-127	
Acetone	ug/L	40	46.5	116	58-146	
Benzene	ug/L	20	18.2	91	75-124	
Diisopropyl ether	ug/L	20	17.5	87	69-130	
Ethanol	ug/L	400	353	88	36-177	
Ethyl-tert-butyl ether	ug/L	20	16.7	83	67-131	
Ethylbenzene	ug/L	20	16.3	81	76-124	
Methyl-tert-butyl ether	ug/L	20	16.8	84	72-130	
tert-Amylmethyl ether	ug/L	20	17.5	87	67-132	
tert-Butyl Alcohol	ug/L	100	71.2	71	36-164	
Toluene	ug/L	20	17.2	86	75-124	
Xylene (Total)	ug/L	60	53.3	89	76-123	
1,2-Dichloroethane-d4 (S)	%			86	80-124	
4-Bromofluorobenzene (S)	%			96	80-120	
Dibromofluoromethane (S)	%			104	80-122	
Toluene-d8 (S)	%			94	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32817 32823

Parameter	Units	254191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Acetone	ug/L	ND	40	40	39.2	32.4	98	81	58-146	19	
tert-Butyl Alcohol	ug/L	ND	100	100	72.0	79.6	72	80	36-164	10	
1,2-Dichloroethane-d4 (S)	%						81	81	80-124		
4-Bromofluorobenzene (S)	%						96	97	80-120		
Dibromofluoromethane (S)	%						98	99	80-122		
Toluene-d8 (S)	%						95	95	80-123		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32820 32821

Parameter	Units	254191002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	12.7	5.9	63	30	78-117	73	M0,R1
1,2-Dichloroethane	ug/L	ND	20	20	11.6	5.5	58	27	73-127	72	M0,R1
Benzene	ug/L	ND	20	20	14.1	6.1	70	30	75-124	79	M0,R1
Diisopropyl ether	ug/L	ND	20	20	14.2	5.2	71	26	69-130	93	M0,R1
Ethanol	ug/L	ND	400	400	269	142J	67	35	36-177		M0
Ethyl-tert-butyl ether	ug/L	ND	20	20	13.3	4.9	67	25	67-131	92	M0,R1
Ethylbenzene	ug/L	ND	20	20	13.4	5.0	67	25	76-124	91	M0,R1
Methyl-tert-butyl ether	ug/L	ND	20	20	13.6	5.0	67	25	72-130	92	M0,R1
tert-Amylmethyl ether	ug/L	ND	20	20	13.4	5.0	67	25	67-132	91	M0,R1
Toluene	ug/L	ND	20	20	13.3	5.5	67	28	75-124	83	M0,R1
Xylene (Total)	ug/L	ND	60	60	44.0	16.7	73	28	76-123	90	M0,R1
1,2-Dichloroethane-d4 (S)	%						80	93	80-124		
4-Bromofluorobenzene (S)	%						94	91	80-120		
Dibromofluoromethane (S)	%						98	109	80-122		
Toluene-d8 (S)	%						92	94	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2640 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 254081004, 254081005

METHOD BLANK: 32925 Matrix: Water
Associated Lab Samples: 254081004, 254081005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/09/10 13:52	
1,2-Dichloroethane	ug/L	ND	1.0	07/09/10 13:52	
Benzene	ug/L	ND	0.50	07/09/10 13:52	
Diisopropyl ether	ug/L	ND	0.50	07/09/10 13:52	
Ethanol	ug/L	ND	250	07/09/10 13:52	
Ethyl-tert-butyl ether	ug/L	ND	0.50	07/09/10 13:52	
Ethylbenzene	ug/L	ND	0.50	07/09/10 13:52	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/09/10 13:52	
tert-Amylmethyl ether	ug/L	ND	0.50	07/09/10 13:52	
tert-Butyl Alcohol	ug/L	ND	5.0	07/09/10 13:52	
Toluene	ug/L	ND	0.50	07/09/10 13:52	
Xylene (Total)	ug/L	ND	1.5	07/09/10 13:52	
1,2-Dichloroethane-d4 (S)	%	115	80-124	07/09/10 13:52	
4-Bromofluorobenzene (S)	%	104	80-120	07/09/10 13:52	
Dibromofluoromethane (S)	%	110	80-122	07/09/10 13:52	
Toluene-d8 (S)	%	99	80-123	07/09/10 13:52	

LABORATORY CONTROL SAMPLE: 32926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	40	40.5	101	78-117	
1,2-Dichloroethane	ug/L	40	39.3	98	73-127	
Benzene	ug/L	40	35.4	88	75-124	
Diisopropyl ether	ug/L	20	19.9	100	69-130	
Ethanol	ug/L	400	1000	251	36-177	L3
Ethyl-tert-butyl ether	ug/L	20	20.3	101	67-131	
Ethylbenzene	ug/L	40	40.3	101	76-124	
Methyl-tert-butyl ether	ug/L	20	20.9	104	72-130	
tert-Amylmethyl ether	ug/L	20	20.8	104	67-132	
tert-Butyl Alcohol	ug/L	100	105	105	36-164	
Toluene	ug/L	40	37.5	94	75-124	
Xylene (Total)	ug/L	120	114	95	76-123	
1,2-Dichloroethane-d4 (S)	%			108	80-124	
4-Bromofluorobenzene (S)	%			106	80-120	
Dibromofluoromethane (S)	%			107	80-122	
Toluene-d8 (S)	%			103	80-123	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32927 32928

Parameter	Units	254111004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	6.3	6.1	32	30	78-117	4	M0
1,2-Dichloroethane	ug/L	ND	20	20	8.7	7.5	44	37	73-127	15	M0
Benzene	ug/L	ND	20	20	13.1	11.5	66	58	75-124	13	M0
Diisopropyl ether	ug/L	ND	20	20	20.6	ND	103	0	69-130		M0
Ethanol	ug/L	ND	400	400	ND	ND	0	0	36-177		M0
Ethyl-tert-butyl ether	ug/L	ND	20	20	19.2	10.6	96	53	67-131	58	M0,R1
Ethylbenzene	ug/L	ND	20	20	17.0	16.8	85	84	76-124	2	
Methyl-tert-butyl ether	ug/L	ND	20	20	28.1	13.1	141	65	72-130	73	M0,R1
tert-Amylmethyl ether	ug/L	ND	20	20	19.5	12.4	97	62	67-132	44	M0,R1
tert-Butyl Alcohol	ug/L	ND	100	100	113	70.6	113	71	36-164	46	R1
Toluene	ug/L	ND	20	20	5.7	6.9	29	35	75-124	19	M0
Xylene (Total)	ug/L	ND	60	60	59.3	53.7	99	89	76-123	10	
1,2-Dichloroethane-d4 (S)	%						109	37	80-124		S0
4-Bromofluorobenzene (S)	%						94	97	80-120		IS
Dibromofluoromethane (S)	%						67	52	80-122		S0
Toluene-d8 (S)	%						45	59	80-123		S0

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2573 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 254081003, 254081004, 254081006, 254081007

METHOD BLANK: 31800 Matrix: Water
Associated Lab Samples: 254081003, 254081004, 254081006, 254081007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	06/30/10 13:18	
4-Bromofluorobenzene (S)	%	93	82-116	06/30/10 13:18	

LABORATORY CONTROL SAMPLE: 31801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	516	103	60-140	
4-Bromofluorobenzene (S)	%			93	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31802 31803

Parameter	Units	254146001 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	7630	500	500	11400	9390	746	352	60-140	19	E,M0
4-Bromofluorobenzene (S)	%						85	82	82-116		1n,IU

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2584 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 254081002

METHOD BLANK: 32027 Matrix: Water
Associated Lab Samples: 254081002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	07/01/10 12:33	
4-Bromofluorobenzene (S)	%	90	82-116	07/01/10 12:33	

LABORATORY CONTROL SAMPLE: 32028

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)	%			92	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32029 32030

Parameter	Units	254149001 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	72.8	500	500	637	740	113	133	60-140	15	
4-Bromofluorobenzene (S)	%						93	93	82-116		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: MSV/2605 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 254081001, 254081005

METHOD BLANK: 32497 Matrix: Water
Associated Lab Samples: 254081001, 254081005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	07/06/10 14:31	
4-Bromofluorobenzene (S)	%	90	82-116	07/06/10 14:31	

LABORATORY CONTROL SAMPLE & LCSD: 32498 32499

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	642	598	128	120	60-140	7	30	
4-Bromofluorobenzene (S)	%				95	96	82-116			

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WET/2116 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 31812 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	ug/L	ND	2000	07/05/10 14:30	

LABORATORY CONTROL SAMPLE: 31813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	ug/L	199000	183000	92	85-115	

SAMPLE DUPLICATE: 31814

Parameter	Units	254081001 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	ug/L	23400	24200	4	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WETA/1602 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 32286 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	1000	07/03/10 16:24	
Sulfate	ug/L	ND	1000	07/03/10 16:24	

LABORATORY CONTROL SAMPLE: 32287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	5000	4730	95	90-110	
Sulfate	ug/L	15000	15500	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32288 32289

Parameter	Units	254052001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	ug/L	56.8 mg/L	100000	100000	174000	175000	117	118	90-110	.6	M1
Sulfate	ug/L	69400	300000	300000	426000	436000	119	122	90-110	2	M1

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WETA/1603 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 32588 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	ug/L	ND	1000	07/08/10 22:15	

LABORATORY CONTROL SAMPLE: 32589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	ug/L	5000	5130	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32590 32591

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	ug/L	8800	5000	5000	14500	13800	114	100	90-110	5	M1

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WETA/1604 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 32592 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	ND	50.0	07/07/10 15:52	

LABORATORY CONTROL SAMPLE: 32593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	1000	992	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32595 32594

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	ug/L	112	1000	1000	1210	1150	109	104	90-110	5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WETA/1608 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 32908 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	5000	07/12/10 11:00	

LABORATORY CONTROL SAMPLE: 32909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	42500	40800	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32910 32911

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	ug/L	113000	52600	52600	161000	164000	91	97	90-110	2	E

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

QC Batch: WETA/1599 Analysis Method: SM 4500-NO2 B
QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 254081001, 254081002, 254081003

METHOD BLANK: 31827 Matrix: Water
Associated Lab Samples: 254081001, 254081002, 254081003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	ug/L	ND	10.0	06/30/10 12:59	

LABORATORY CONTROL SAMPLE: 31828

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	ug/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 31829 31830

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrite as N	ug/L	131	250	250	382	388	100	103	71-109	2	

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QUALIFIERS

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-S	Pace Analytical Services - Seattle

BATCH QUALIFIERS

Batch: WET/2113

[1]	Sample results obtained in the field and provided by the client.

ANALYTE QUALIFIERS

1n	Due to an instrument error, the parent sample was analyzed on a later date.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IS	The internal standard response is below criteria. Results may be biased high.
IU	The internal standard recoveries associated with this sample exceed the upper control limit. The reported results should be considered estimated values.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
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.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
254081001	U-1_20100630	EPA 3010	MPRP/1619	EPA 6010	ICP/1545
254081002	U-2_20100630	EPA 3010	MPRP/1619	EPA 6010	ICP/1545
254081003	U-4_20100630	EPA 3010	MPRP/1619	EPA 6010	ICP/1545
254081001	U-1_20100630	EPA 7470	MERP/1191	EPA 7470	MERC/1206
254081002	U-2_20100630	EPA 7470	MERP/1191	EPA 7470	MERC/1206
254081003	U-4_20100630	EPA 7470	MERP/1191	EPA 7470	MERC/1206
254081001	U-1_20100630	EPA 5030B/8260	MSV/2583		
254081002	U-2_20100630	EPA 5030B/8260	MSV/2610		
254081003	U-4_20100630	EPA 5030B/8260	MSV/2589		
254081004	U-3_20100630	EPA 5030B/8260	MSV/2640		
254081005	U-5_20100630	EPA 5030B/8260	MSV/2640		
254081006	U-6_20100630	EPA 5030B/8260	MSV/2589		
254081007	TB1_20100630	EPA 5030B/8260	MSV/2589		
254081001	U-1_20100630	CA LUFT	MSV/2605		
254081002	U-2_20100630	CA LUFT	MSV/2584		
254081003	U-4_20100630	CA LUFT	MSV/2573		
254081004	U-3_20100630	CA LUFT	MSV/2573		
254081005	U-5_20100630	CA LUFT	MSV/2605		
254081006	U-6_20100630	CA LUFT	MSV/2573		
254081007	TB1_20100630	CA LUFT	MSV/2573		
254081001	U-1_20100630	SM 3500-Fe B#4	WET/2114		
254081002	U-2_20100630	SM 3500-Fe B#4	WET/2114		
254081003	U-4_20100630	SM 3500-Fe B#4	WET/2114		
254081001	U-1_20100630	SM 3500-Fe B#4	WET/2113		
254081002	U-2_20100630	SM 3500-Fe B#4	WET/2113		
254081003	U-4_20100630	SM 3500-Fe B#4	WET/2113		
254081001	U-1_20100630	SM 5210B	WET/2116	SM 5210B	WET/2135
254081002	U-2_20100630	SM 5210B	WET/2116	SM 5210B	WET/2135
254081003	U-4_20100630	SM 5210B	WET/2116	SM 5210B	WET/2135
254081001	U-1_20100630	EPA 300.0	WETA/1602		
254081002	U-2_20100630	EPA 300.0	WETA/1602		
254081003	U-4_20100630	EPA 300.0	WETA/1602		
254081001	U-1_20100630	EPA 351.2	WETA/1603		
254081002	U-2_20100630	EPA 351.2	WETA/1603		
254081003	U-4_20100630	EPA 351.2	WETA/1603		
254081001	U-1_20100630	EPA 353.2	WETA/1604		
254081002	U-2_20100630	EPA 353.2	WETA/1604		
254081003	U-4_20100630	EPA 353.2	WETA/1604		
254081001	U-1_20100630	EPA 410.4	WETA/1608		
254081002	U-2_20100630	EPA 410.4	WETA/1608		

Pace Analytical®
www.pacelabs.com

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 255325 3200 Lakeshore Dr
Pace Project No.: 254081

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
254081003	U-4_20100630	EPA 410.4	WETA/1608		
254081001	U-1_20100630	SM 4500-NO2 B	WETA/1599		
254081002	U-2_20100630	SM 4500-NO2 B	WETA/1599		
254081003	U-4_20100630	SM 4500-NO2 B	WETA/1599		

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

Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
940 S. Harney Street		Date Received: 06/28/10
	Client Contact: Regina Ste. Marie	Date Reported: 07/02/10
Seattle, WA 98108	Client P.O.:	Date Completed: 07/02/10

WorkOrder: 1006763

July 02, 2010

Dear Regina:

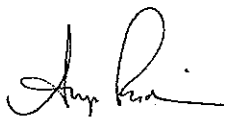
Enclosed within are:

1) The results of the **3** analyzed samples from your project: **#255325; Pace project #254081,**
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.

20100630 255325 WG_S_201006 BO ... 20100630 255

1006763

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

McCampbell Analytical (bill PACE)

3Q10 GW Event

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201006	Send Invoice to:	David Sowle
Address:		Delta project #		Address:	11050 White Rock Road, Suite 110
940 S. Harney Street Seattle WA 98109		Site Address	3200 LAKESHORE AVE	City/State	Rancho Cordova CA 95670 Phone #: 1-800-477-7411
Lab PM:	Regina Ste. Marie	City OAKLAND	State CA 94610	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	copelldata@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: MATRIX — DRINKING WATER WD, GROUND WATER WG, WASTE WATER WW, FREE PRODUCT LF, SOIL, OIL; MATRIX — WATER W, SURFACE WATER WS, WATER OR, SLUDGE

ITEM #	SAMPLE ID (A-Z, 0-9 / -) One Character per box. Samples IDs MUST BE UNIQUE	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	Bromide 300.1	Bromate 300.1	Methane RSK174	Ammonia 350.1	Carbon Dioxide 415.3	Bacteria Enumeration SM9223	Hexavalent Cr 218.6	Trivalent Cr (Calc)	Total Cr 6010	Comments/Lab Sample I.D.
1	U-1_20100630	WG	G	6/28	1300	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	
2	U-2_20100630	WG	↓	↓	1430	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	
4	U-4_20100630	WG	↓	↓	1340	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	***Hex Cr has short hold 24 hours***
5																									
6																									
8																									
9																									
10																									
11																									
12																									

ICE / t° Yes 3.2°C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB N/A PRESERVED IN LAB N/A
PRESERVATION VOAS O&G METALS OTHER

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	6/28	1605	[signature]	6/28/10	1608
[signature]	6/28	1830	[signature]	6/28/10	

Sample Receipt Conditions

Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?
	Y/N	Y/N	Y/N
	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:
SIGNATURE of SAMPLER: DATE Signed: Time:

Inogen

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1006763 **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) 957-2427 FAX

Email: Regina.SteMarie@pacelabs.com
cc:
PO:
ProjectNo: #255325

Bill to:
Accounts Payable
Pace Analytical Services, Inc.
940 S. Harney Street
Seattle, WA 98108

Requested TAT: 5 days

Date Received: **06/28/2010**
Date Printed: **06/28/2010**

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
1006763-001	U-1_20100630	Water	6/28/2010 13:00	☐	G	B	A	D	E	H	A	C	F			
1006763-002	U-2_20100630	Water	6/28/2010 14:30	☐	G	B	A	D	E	H		C	F			
1006763-003	U-4_20100630	Water	6/28/2010 13:40	☐	G	B	A	D	E	H		C	F			

Test Legend:

1	218_6_W	2	300_1_W	3	300_1SPE_W	4	AMMONIA_W	5	IC(CO2)_W
6	METALSMS_W	7	PREDF REPORT	8	RSK174_W	9	TCEC-Enum_W	10	
11		12							

Prepared by: Samantha Arbuckle

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.

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Sample Receipt Checklist

Client Name: **Pace Analytical Services, Inc.**
Date and Time Received: **6/28/2010 6:59:50 PM**

Project Name: **#255325**
Checklist completed and reviewed by: Samantha Arbuckle

WorkOrder N°: **1006763** Matrix Water
Carrier: Derik Cartan (MAI Courier)

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: 3.2°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:

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Pace Analytical Services, Inc. 940 S. Harney Street Seattle, WA 98108	Client Project ID: #255325; Pace project #254081	Date Sampled: N/A
		Date Received: N/A
	Client Contact: Regina Ste. Marie	Date Reported: 07/02/10
	Client P.O.:	Date Completed: 07/02/10

Work Order: 1006763

July 02, 2010

RE: Chromium (III) Result.

The Chromium (III) concentration for samples:

U-1_20100630 (MAI Lab ID# 1006763-001) = 1.0 µg/L.
U-2_20100630 (MAI Lab ID# 1006763-002) = 2.2 µg/L.
U-4_20100630 (MAI Lab ID# 1006763-003) = ND<0.5 µg/L.

Please note that Chromium (III) concentration is obtained by subtracting [Hexachrome] from [Total Chromium].

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/28/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 06/28/10

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 1006763

Lab ID	Client ID	Matrix	Hexachrome	DF	Comments
1006763-001G	U-1_20100630	W	ND	1	
1006763-002G	U-2_20100630	W	ND	1	
1006763-003G	U-4_20100630	W	2.0	1	

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.2 µg/L	
	S	NA	

* water samples are reported in µg/L.

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

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/30/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 06/30/10

Inorganic Anions by IC*

Extraction method E300.1 Analytical methods E300.1 Work Order: 1006763

Lab ID	Client ID	Matrix	Bromide	DF	% SS	Comments
1006763-001B	U-1_20100630	W	0.56	1	N/A	
1006763-002B	U-2_20100630	W	1.5	1	N/A	
1006763-003B	U-4_20100630	W	0.62	1	N/A	

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.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Angela Rydelius, Lab Manager

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/29/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 06/29/10

Disinfection Byproduct*

Extraction method E300.1 Analytical methods E300.1 Work Order: 1006763

Lab ID	Client ID	Matrix	Bromate	DF	% SS	Comments
1006763-001A	U-1_20100630	W	ND	1	N/A	
1006763-002A	U-2_20100630	W	ND	1	N/A	
1006763-003A	U-4_20100630	W	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.005	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.

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

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/29/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 06/29/10

Ammonia as N*

Analytical Method: E350.1 Work Order: 1006763

Lab ID	Client ID	Matrix	Total Ammonia as N	DF	Comments
1006763-001D	U-1_20100630	W	3.7	1	
1006763-002D	U-2_20100630	W	2.9	1	
1006763-003D	U-4_20100630	W	ND	1	

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	0.05 mg/L	
	S	NA	

*water/product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

DF = Dilution Factor

DHS ELAP Certification 1644

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 07/01/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 07/01/10

Inorganic Carbon as Carbon Dioxide*

Analytical Method: E415.3 Work Order: 1006763

Lab ID	Client ID	Matrix	IC as CO2	DF	Comments
1006763-001E	U-1_20100630	W	660	5	
1006763-002E	U-2_20100630	W	950	5	
1006763-003E	U-4_20100630	W	390	5	

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	3.7 mg/L	
	S	NA	

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg.

* Non-Purgeable Organic Carbon=NPOC; TOC=Total Organic Carbon; DOC=Dissolved Organic Carbon; POC=Purgeable Organic Cabon; IC=Inorganic Carbon.

DF = Dilution Factor

DHS ELAP Certification 1644

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/28/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 06/29/10

Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 1006763

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	%SS	Comments
1006763-001H	U-1_20100630	W	TOTAL	1.0	1	97	
1006763-002H	U-2_20100630	W	TOTAL	2.2	1	98	
1006763-003H	U-4_20100630	W	TOTAL	2.0	1	98	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	0.5	µg/L
	S	TOTAL	NA	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / WET / DI WET / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
		Date Received: 06/28/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 06/29/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 06/29/10

Light Gas Hydrocarbons*

Extraction method RSK 174/175 Analytical methods RSK174/175 Work Order: 1006763

Lab ID	Client ID	Matrix	Methane	DF	% SS	Comments
001C	U-1_20100630	W	5600	1	N/A	
002C	U-2_20100630	W	540	1	N/A	
003C	U-4_20100630	W	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.4	µg/L
	S	NA	NA

* water samples are reported in µg/L.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Pace Analytical Services, Inc.	Client Project ID: #255325; Pace project #254081	Date Sampled: 06/28/10
940 S. Harney Street		Date Received: 06/28/10
	Client Contact: Regina Ste. Marie	Date Extracted: 06/28/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 06/29/10

Total Coliform / E. Coli, Enumeration

Analytical Method: SM9223B Work Order: 1006763

Lab ID	Client ID	Matrix	Total Coliform	95% Confident Interval	E. Coli	95% Confident Interval	DF	Comments
001F	U-1_20100630	W	2.0	0.30 - 7.1	ND	---	1	
002F	U-2_20100630	W	1.0	0 - 3.7	ND	---	1	
003F	U-4_20100630	W	ND	---	ND	---	1	

Reporting Limit & Reporting Units	W	1.0 MPN/100ml	
	S	NA	

DF = Dilution Factor

DHS ELAP Certification 1644

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QC SUMMARY REPORT FOR E350.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51412 WorkOrder 1006763

EPA Method E350.1 **Extraction E350.1** **Spiked Sample ID: 1006683-001A**

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
Total Ammonia as N	ND	4	101	104	3.32	96.3	96.6	0.225	80 - 120	20	90 - 110	20

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

BATCH 51412 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001D	06/28/10 1:00 PM	06/29/10	06/29/10 6:02 PM	1006763-002D	06/28/10 2:30 PM	06/29/10	06/29/10 6:06 PM
1006763-003D	06/28/10 1:40 PM	06/29/10	06/29/10 6:09 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.

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

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 E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51438 WorkOrder 1006763

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 1006364-010A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chromium	ND	10	96.3	96.4	0.102	95	94.3	0.655	70 - 130	20	85 - 115	20
%SS:	97	750	102	101	0.947	93	92	0.878	70 - 130	20	70 - 130	20

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

BATCH 51438 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001H	06/28/10 1:00 PM	06/28/10	06/29/10 4:41 PM	1006763-002H	06/28/10 2:30 PM	06/28/10	06/29/10 4:50 PM
1006763-003H	06/28/10 1:40 PM	06/28/10	06/29/10 4:59 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.

NR = matrix interference and/or 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

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QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51479 WorkOrder 1006763

EPA Method E218.6 **Extraction E218.6** **Spiked Sample ID: 1006763-001G**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Hexachrome	ND	25	99	101	1.88	96.6	98.8	2.29	90 - 110	10	90 - 110	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 51479 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001G	06/28/10 1:00 PM	06/28/10	06/28/10 10:12 PM	1006763-002G	06/28/10 2:30 PM	06/28/10	06/28/10 10:33 PM
1006763-003G	06/28/10 1:40 PM	06/28/10	06/28/10 10:55 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 enough sample to perform matrix spike and matrix spike duplicate.

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

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QC SUMMARY REPORT FOR RSK174/175

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51485 WorkOrder 1006763

EPA Method RSK174/175 **Extraction RSK 174/175** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Methane	N/A	1.17	N/A	N/A	N/A	92.8	95.2	2.50	N/A	N/A	80 - 120	20

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

BATCH 51485 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001C	06/28/10 1:00 PM	06/29/10	06/29/10 4:36 PM	1006763-002C	06/28/10 2:30 PM	06/29/10	06/29/10 4:12 PM
1006763-003C	06/28/10 1:40 PM	06/29/10	06/29/10 4:24 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 enough sample to perform matrix spike and matrix spike duplicate.

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

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51437 WorkOrder 1006763

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
Bromide	N/A	1	N/A	N/A	N/A	94.1	86.6	8.28	N/A	N/A	85 - 115	15
%SS:	N/A	0.10	N/A	N/A	N/A	115	114	1.45	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 51437 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001B	06/28/10 1:00 PM	06/30/10	06/30/10 9:24 AM	1006763-002B	06/28/10 2:30 PM	06/30/10	06/30/10 10:00 AM
1006763-003B	06/28/10 1:40 PM	06/30/10	06/30/10 10:37 AM				

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

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QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 51472 WorkOrder 1006763

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
Bromate	N/A	0.040	N/A	N/A	N/A	94.2	92.4	1.93	N/A	N/A	85 - 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 51472 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001A	06/28/10 1:00 PM	06/29/10	06/29/10 1:19 AM	1006763-002A	06/28/10 2:30 PM	06/29/10	06/29/10 1:55 AM
1006763-003A	06/28/10 1:40 PM	06/29/10	06/29/10 2:32 AM				

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.

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

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"When Quality Counts"

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QC SUMMARY REPORT FOR E415.3

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 51486 | WorkOrder 1006763

EPA Method E415.3 | **Extraction E415.3** | **Spiked Sample ID: 1006763-001E**

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
IC as CO2	660	36.7	NR	NR	NR	110	110	0	-		80 - 120	20

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

BATCH 51486 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001E	06/28/10 1:00 PM	07/01/10	07/01/10 5:26 PM	1006763-002E	06/28/10 2:30 PM	07/01/10	07/01/10 5:49 PM
1006763-003E	06/28/10 1:40 PM	07/01/10	07/01/10 5:55 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.

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

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 SM9223B

Test Method: Total Coliform / E. Coli, Enumeration by SM9223B Matrix W WorkOrder 1006763

EPA Method SM9223B		BatchID: 51372		Duplicated SampID: 1006634-001A
Analyte	Sample	Dup	%RPD	Blank
	MPN/100ml	MPN/100ml		MPN/100ml
Total Coliform	2000	1700	16	ND
E Coli	75	70	6.9	ND

BATCH 51372 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1006763-001F	06/28/10 1:00 PM	06/28/10	06/29/10 8:03 PM	1006763-002F	06/28/10 2:30 PM	06/28/10	06/29/10 8:06 PM
1006763-003F	06/28/10 1:40 PM	06/28/10	06/29/10 8:09 PM				

% RPD = abs(Sample - Dup) / ((Sample + Dup) / 2) * 100

N/A = Not Applicable

NR = %RPD may fall outside of laboratory acceptance criteria due to sample inconsistency between two containers.

DHS ELAP Certification 1644

QA/QC Officer

20100630 255325 WG_S_201006 BO

254087

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 ____

PACE ANALYTICAL- SEATTLE (Subcontract Samples)

21769 / L1 / L2 / L3 — 3Q10 GW Event

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201006	Send invoice to:	David Sowle
Address:		Delta project #		Address:	11050 White Rock Road, Suite 110
940 S. Harney Street Seattle WA 98108		Site Address	3200 LAKESHORE AVE	City/State	Rancho Cordova CA 95670 Phone #: 1-800-477-7411
Lab PM:	Regina Ste. Marie	City OAKLAND	State CA 94610	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: 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; MATRIX — WATER W, SURFACE WATER WS, WATER OO WO, 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
1	U-1_20100630	WG	G	6/28/10	1300	10	N	2	1	1	6				
2	U-2_20100630	WG			1430	10	N	2	1	1	6				
3	U-3_20100630	WG			1130	6	N				6				
4	U-4_20100630	WG			1340	10	N	2	1	1	6				
5	U-5_20100630	WG			1415	6	N				6				
6	U-6_20100630	WG			1000	10	N				6				
7	TB1_20100630	W			800	4	N				4				
8															
9															
10															
11															
12															

Requested Analyses

ITEM #	353.2NitrateN	300.0 Sulfate	6010IronTotal	8260 GC/MS GRO	8260BtexMTBE7OxyCA	Acetone (8260)	Chloride 300	Ferrous Fe & Ferric Fe 3500	TKN 351.2	Nitrite 353.2	*6010 Metals list*	BOD 5210B	COD 410.4	Hg 7470	Comments/Lab Sample I.D.
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	X	X	X	X	X										
4	X	X	X	X	X	X	X	X	X	X	X	X	X	x	7 OXYs = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB and ethanol
5	X	X	X	X	X										
6	X	X	X	X	X										
7															
8															*6010 Metals list: Mn, Ag, As, Ba, Be, Cd, Co, Mo, Ni, Pb, Sb, Se, [illegible] and Zn*
9															
10															
11															
12															TL, V cut off RSM 6/29/10

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?
[signature] / BS	6/28	1600	[signature] / Pace	6/29/10	0920	4.2	(Y)/N	(Y)/N	(Y)/N
							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: J. PARKER

SIGNATURE of SAMPLER: [signature] DATE Signed: 6/28/10 Time: 1600

Inogen Environmental Alliance

1006763

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 ____

DELTA

McCampbell Analytical (bill PACE)

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201006	Send Invoice to:	David Sowle
Address:		Delta project #		Address:	11050 White Rock Road, Suite 110
940 S. Harney Street Seattle WA 98108		Site Address	3206 LAKESHORE AVE	City/State	Rancho Cordova CA 95670; Phone #: 1-800-477-7411
Lab PM:	Regina Ste. Marie	City: OAKLAND	State: CA 94610	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	copalidata@intelligentsinc.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	

2Q10 GW Event

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)				

Requested Analyses: Bromide 300.1 / Bromate 300.1 / Methane RSK174 / Ammonia 350.1 / Carbon Dioxide 4500 / Bacteria Enumeration SM9221 / Hexavalent Cr 218.6 / Dissolved Cr (CAS) / Total Cr 6010

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

Valid Matrix Codes: MATRIX — DRINKING WATER, GROUND WATER, WASTE WATER, PRODUCT, AIR, SOIL/SOLID, OIL, WIPE, OTHER, TISSUE

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	Bromide 300.1	Bromate 300.1	Methane RSK174	Ammonia 350.1	Carbon Dioxide	Bacteria Enumeration	Hexavalent Cr 218.6	Dissolved Cr	Total Cr 6010	Comments/Lab Sample I.D.
1	U-1_20100630	WG	G	6/28	1300	10	N	1	1	1	2	2			2	x	x	x	x	x	x	x	x	x	
2	U-2_20100630	WG	↓	↓	1430	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	
3	U-4_20100630	WG	↓	↓	1340	10	N	1	1	1	2	2			3	x	x	x	x	x	x	x	x	x	***Hex Cr has short hold 24 hours***
5																									
6																									
8																									
9																									
10																									
11																									
12																									

ICE / t° YES 3.2°C
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓ PRESERVED IN LAB N/A
VOAS O&G METALS OTHER
PRESERVATION

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	6/28	1605	[signature]	6/28/10	1605
[signature]	6/28	1830	[signature]	6/28/10	

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:
SIGNATURE of SAMPLER: DATE Signed: Time:

Inogen

Regina SteMarie - 255325 Oakland - 6/28/10 event - Fe2+ field results

From: Mike Ninokata <mNinokata@blainetech.com>
To: Regina SteMarie <Regina.SteMarie@pacelabs.com>
Date: 6/29/2010 10:02 AM
Subject: 255325 Oakland - 6/28/10 event - Fe2+ field results

Hi Gina,

Here's the Fe2+ field reading for the wells with the special engineering suite:

U-1 = 4.0 mg/l
U-2 = 3.2 mg/l
U-4 = 0.0 mg/l

Thx,

Michael Ninokata
Senior Project Manager
Blaine Tech Services, Inc
1860 Rogers Ave.
San Jose, Ca 95112
(408) 573-0555 x 202 office
(408) 639-3057 cell
(408) 573-7771 fax
www.blainetech.com

Sample Container Count

CLIENT: Delta

COC PAGE 1 of 1

COC ID#

Sample Line Item	VG9H	AG1H	AG1U	BG1H	BP1U	BP2U	BP3U	BP2N	BP2S	WGFU	WGKU				Comments
1	6				1	1		1/2	1/2						
2	↓				1	1		↓	↓						
3															
4					1	1		1/2	1/2						
5	↓														
6	10														
7	4														Trip Blank
8															
9															
10															
11															
12															Trip Blank? YES

AG1H	1 liter HCL amber glass		BP2S	500mL H2SO4 plastic		JGFU	4oz unpreserved amber wide
AG1U	1liter unpreserved amber glass		BP2U	500mL unpreserved plastic		R	terra core kit
AG2S	500mL H2SO4 amber glass		BP2Z	500mL NaOH, Zn Ac		U	Summa Can
AG2U	500mL unpreserved amber glass		BP3C	250mL NaOH plastic		VG9H	40mL HCL clear vial
AG3S	250mL H2SO4 amber glass		BP3N	250mL HNO3 plastic		VG9T	40mL Na Thio. clear vial
BG1H	1 liter HCL clear glass		BP3S	250mL H2SO4 plastic		VG9U	40mL unpreserved **clear** vial
BG1U	1 liter unpreserved glass		BP3U	250mL unpreserved plastic		VG9W	40mL glass vial preweighted (EPA 5035)
BP1N	1 liter HNO3 plastic		DG9B	40mL Na Bisulfate amber vial		VSG	Headspace septa vial & HCL
BP1S	1 liter H2SO4 plastic		DG9H	40mL HCL amber voa vial		WGFU	4oz clear soil jar
BP1U	1 liter unpreserved plastic		DG9M	40mL MeOH clear vial		WGFX	4oz wide jar w/hexane wipe
BP1Z	1 liter NaOH, Zn, Ac		DG9T	40mL Na Thio amber vial		ZPLC	Ziploc Bag
BP2N	500mL HNO3 plastic		DG9U	40mL unpreserved **amber** vial			
BP2O	500mL NaOH plastic			Wipe/Swab			

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta

Project # 254081

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

Optional: Proj. Due Date: Proj. Name:

Tracking #: 8715 4leave 5688

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: 4.2 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 6/29/10 AB

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. Ferrous Iron, BOD, 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. No bottles received for NO_3, SO_4, or Fe on Samples U-3, U-5, or U-6. RSM
-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: WT		
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):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Dennis/Tara/David Date/Time: 6/29/10

Comments/ Resolution:

Emailed client to determine how to proceed with samples U-3, U-5, and U-6.
Per client - run GRO & Volatiles on U-3, U-5, U-6. Other parameters will be collected 06/30/10. RSM

Project Manager Review: RSM Date: 06/29/10

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)

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

July 15, 2010

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

RE: Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

Dear Dennis Dettloff:
Enclosed are the analytical results for sample(s) received by the laboratory on July 01, 2010. 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 Ste. Marie

Regina SteMarie

regina.stemarie@pacelabs.com
Project Manager

Enclosures

cc: Tara Bosch, ELT_Delta Consultants Sacramento
Jonathon Fillingame, ELT_Delta Consultants Sacramento
Lia Holden, ELT-Delta Consultants
Josh Mahoney, ELT_Delta Consultants San Jose
Tony Perini, ELT_Delta Consultants San Jose
Nicole Persaud, ELT-Delta Consultants
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

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CERTIFICATIONS

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

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

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SAMPLE ANALYTE COUNT

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
254105001	U-3_20100630	EPA 6010	BGA	1	PASI-S
		EPA 300.0	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S
254105002	U-5_20100630	EPA 6010	BGA	1	PASI-S
		EPA 300.0	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S
254105003	U-6_20100630	EPA 6010	BGA	1	PASI-S
		EPA 300.0	BPR	1	PASI-S
		EPA 353.2	BPR	2	PASI-S
		SM 4500-NO2 B	BPR	1	PASI-S

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

Sample: U-3_20100630 **Lab ID: 254105001** Collected: 06/30/10 09:20 Received: 07/01/10 09:00 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	**952**	ug/L	100	1	07/06/10 09:16	07/06/10 16:24	7439-89-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**65800**	ug/L	20000	20		07/03/10 21:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4680**	ug/L	250	5		07/07/10 16:37		
Nitrogen, NO2 plus NO3	**4690**	ug/L	250	5		07/07/10 16:37		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	ug/L	10.0	1		07/01/10 21:06	14797-65-0	

Sample: U-5_20100630 **Lab ID: 254105002** Collected: 06/30/10 09:45 Received: 07/01/10 09:00 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	**6650**	ug/L	100	1	07/06/10 09:16	07/06/10 16:32	7439-89-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**5560**	ug/L	1000	1		07/07/10 14:57	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**51.6**	ug/L	50.0	1		07/07/10 16:17		
Nitrogen, NO2 plus NO3	**91.5**	ug/L	50.0	1		07/07/10 16:17		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**39.9**	ug/L	10.0	1		07/01/10 21:06	14797-65-0	

Sample: U-6_20100630 **Lab ID: 254105003** Collected: 06/30/10 08:00 Received: 07/01/10 09:00 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	**566000**	ug/L	500	5	07/06/10 09:16	07/06/10 16:35	7439-89-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**10100**	ug/L	5000	5		07/03/10 23:01	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**263**	ug/L	50.0	1		07/07/10 16:19		
Nitrogen, NO2 plus NO3	**308**	ug/L	50.0	1		07/07/10 16:19		

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

Sample: U-6_20100630 **Lab ID: 254105003** Collected: 06/30/10 08:00 Received: 07/01/10 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**44.3**	ug/L	10.0	1		07/01/10 21:06	14797-65-0	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

QC Batch: MPRP/1630 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 254105001, 254105002, 254105003

METHOD BLANK: 32379 Matrix: Water
Associated Lab Samples: 254105001, 254105002, 254105003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	ND	100	07/06/10 16:01	

LABORATORY CONTROL SAMPLE: 32380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	10000	9380	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32381 32382

Parameter	Units	254093001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Iron	ug/L	13800	10000	10000	22400	21900	86	81	75-125	2	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

QC Batch: WETA/1602 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 254105001, 254105002, 254105003

METHOD BLANK: 32286 Matrix: Water
Associated Lab Samples: 254105001, 254105002, 254105003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	1000	07/03/10 16:24	

LABORATORY CONTROL SAMPLE: 32287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	15000	15500	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32288 32289

Parameter	Units	254052001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Sulfate	ug/L	69400	300000	300000	426000	436000	119	122	90-110	2	M1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

QC Batch: WETA/1604 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 254105001, 254105002, 254105003

METHOD BLANK: 32592 Matrix: Water
Associated Lab Samples: 254105001, 254105002, 254105003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	ND	50.0	07/07/10 15:52	

LABORATORY CONTROL SAMPLE: 32593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	1000	992	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32595 32594

Parameter	Units	254081001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	ug/L	112	1000	1000	1210	1150	109	104	90-110	5	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

QC Batch: WETA/1600 Analysis Method: SM 4500-NO2 B
QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 254105001, 254105002, 254105003

METHOD BLANK: 32125 Matrix: Water
Associated Lab Samples: 254105001, 254105002, 254105003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	ug/L	ND	10.0	07/01/10 21:06	

LABORATORY CONTROL SAMPLE: 32126

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	ug/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 32127 32128

Parameter	Units	254105001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrite as N	ug/L	ND	50	50	48.5	48.3	81	80	71-109	.4	

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QUALIFIERS

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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

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

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(206)767-5060

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 255325 3200 Lakeshore Ave
Pace Project No.: 254105

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
254105001	U-3_20100630	EPA 3010	MPRP/1630	EPA 6010	ICP/1553
254105002	U-5_20100630	EPA 3010	MPRP/1630	EPA 6010	ICP/1553
254105003	U-6_20100630	EPA 3010	MPRP/1630	EPA 6010	ICP/1553
254105001	U-3_20100630	EPA 300.0	WETA/1602		
254105002	U-5_20100630	EPA 300.0	WETA/1602		
254105003	U-6_20100630	EPA 300.0	WETA/1602		
254105001	U-3_20100630	EPA 353.2	WETA/1604		
254105002	U-5_20100630	EPA 353.2	WETA/1604		
254105003	U-6_20100630	EPA 353.2	WETA/1604		
254105001	U-3_20100630	SM 4500-NO2 B	WETA/1600		
254105002	U-5_20100630	SM 4500-NO2 B	WETA/1600		
254105003	U-6_20100630	SM 4500-NO2 B	WETA/1600		

20100630 255325 WG_S_201006 BO (2)

254105

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 # 1 of 4

PACE ANALYTICAL- SEATTLE (Subcontract Samples)

21769/21 — 3Q10 GW Event

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201006	Send Invoice to:	David Sowle
Address:		Delta project #		Address:	11050 White Rock Road, Suite 110
940 S. Harney Street Seattle WA 98108		Site Address	3200 LAKESHORE AVE	City/State	Rancho Cordova CA 95670 Phone #: 1-800-477-7411
Lab PM:	Regina Ste. Marie	City OAKLAND	State CA 94610	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: MATRIX — DRINKING WATER WP, GROUND WATER WG, WASTEWATER WW, FREE PRODUCT LF, SOIL SO, OIL OL, WIPE SW, AMBIENT AIR AA, SVE AIR AE, SOIL GAS OS; MATRIX — WATER W, SURFACE WATER WS, WATER QC WQ, SLUDGE SL, RINSEATE WH, OTHER OT, ANIMAL TISSUE TA

Requested Analyses

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)	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	353.2NitrateN	300.0 Sulfate	6010IronTotal	8260 GC/MS GRO	8260BtexMTBE7OxyCA	Acetone (8260)	Chloride 300	Ferrous Fe & Ferric Fe 3500	TKN 351.2	Nitrite ~~353.2~~ 4500	*6010 Metals list*	BOD 5210B	COD 410.4	Hg 7470	Comments/Lab Sample I.D.
1	~~U-1_20100630~~	WG														~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	wed 6/29/10
2	~~U-2_20100630~~	WG														~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
3	U-3_20100630	WG	~~6/30~~ G	6/30	0920	3	N	1	1	1						X	X	X	~~X~~	~~X~~					X					
4	~~U-4_20100630~~	WG														~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	7 OXYs = DIPE, TBA, TAME, ETBE, 1,2-DCA, EDB and ethanol
5	U-5_20100630	WG	~~6/30~~ G	6/30	0945	3	N	1	1	1						X	X	X	~~X~~	~~X~~					X					
6	U-6_20100630	WG	~~6/30~~ G	6/30	0800	3	N	1	1	1						X	X	X	~~X~~	~~X~~					X					
7	~~TB1_20100630~~	W																												
8																														*6010 Metals list: Mn, Ag, As, Ba, Be, Cd, Co, Mo, Ni, Pb, Sb, Se, Tl, V and Zn*
9																														
10																														
11																														
12																														

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Sample Receipt Conditions			
Fed Ex			Regina SteMarie	07/01/10	09:00	see below	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: J.PARKER

SIGNATURE of SAMPLER: [signature] DATE Signed: 6/30/10 Time: 1645

Inogen Environmental Alliance

4.2, 2.4, 2.7, 5.2, 2.2, 6.0

Final 11/13/06. AMTait

Sample Container Count

CLIENT: Delta

COC PAGE 1 of 1

COC ID# _____

Sample Line Item	VG9H	AG1H	AG1U	BG1H	BP1U	BP2U	BP3U	BP2N	BP2S	WGFU	WGKU				Comments
1						1		1	1						
2						1		1	1						
3						1		1	1						
4															
5															
6															
7															
8															
9															
10															
11															
12															Trip Blank?

AG1H	1 liter HCL amber glass		BP2S	500mL H2SO4 plastic		JGFU	4oz unpreserved amber wide
AG1U	1liter unpreserved amber glass		BP2U	500mL unpreserved plastic		R	terra core kit
AG2S	500mL H2SO4 amber glass		BP2Z	500mL NaOH, Zn Ac		U	Summa Can
AG2U	500mL unpreserved amber glass		BP3C	250mL NaOH plastic		VG9H	40mL HCL clear vial
AG3S	250mL H2SO4 amber glass		BP3N	250mL HNO3 plastic		VG9T	40mL Na Thio. clear vial
BG1H	1 liter HCL clear glass		BP3S	250mL H2SO4 plastic		VG9U	40mL unpreserved clear vial
BG1U	1 liter unpreserved glass		BP3U	250mL unpreserved plastic		VG9W	40mL glass vial preweighted (EPA 5035)
BP1N	1 liter HNO3 plastic		DG9B	40mL Na Bisulfate amber vial		VSG	Headspace septa vial & HCL
BP1S	1 liter H2SO4 plastic		DG9H	40mL HCL amber voa vial		WGFU	4oz clear soil jar
BP1U	1 liter unpreserved plastic		DG9M	40mL MeOH clear vial		WGFX	4oz wide jar w/hexane wipe
BP1Z	1 liter NaOH, Zn, Ac		DG9T	40mL Na Thio amber vial		ZPLC	Ziploc Bag
BP2N	500mL HNO3 plastic		DG9U	40mL unpreserved amber vial			
BP2O	500mL NaOH plastic		I	Wipe/Swab			

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta BT

Project # 254105

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

Optional: Proj. Due Date: Proj. Name:

Tracking #: 8 715 0606 5482/5588/5519

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: 4.2, 2.4, 2.7, 5.2, 2.2, 6.0 Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: RSM 07/01/10

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☑Yes	☐No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A
-Pace Containers Used:	☑Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A
Sample Labels match COC:	☑Yes	☐No	☐N/A
-Includes date/time/ID/Analysis Matrix:			
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A
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	
Samples checked for dechlorination:	☐Yes	☐No	☑N/A
Headspace in VOA Vials (>6mm):	☑Yes	☐No	☑N/A
Trip Blank Present:	☐Yes	☐No	☑N/A
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A
Pace Trip Blank Lot # (if purchased):			

1.
2.
3.
4.
5.
6. NO2
7.
8.
9.
10.
11.
12.
13. U-3 and U-5 received with pH >2. pH adjusted to <2 with HNO3

Initial when completed: PPR Lot # of added preservative: 110905C

14.
15. No bubble VOA vials RSM
16.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RSM Date: RSM 07/01/10

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.: n/a

Manifest Document No.: 255325-0610

2. Page 1 of 1

3. Generator's Name and Mailing Address: COP Attn: Mat Baare, 1222 Phillips Bldg., Bartlesville, OK 74004

4. Generator's Phone: (602) 452-2562

Site # 255325
3200 Lakeshore Ave
Oakland, CA 94610

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: Seaport Environmental, 200 Seaport Blvd., Redwood City, CA 94063

10. US EPA ID Number: 000013572

E. State Facility's ID

F. Facility's Phone: (650-364-1024)

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non Hazardous Groundwater	1	TT	73	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

GENERATOR

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	Signature	Date: Month	Day	Year
Tara L Bosch on behalf of COP	Tara L Bosch	5	25	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
Jeff Parker		6	28	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

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

NON-HAZARDOUS WASTE

Rev. 3/95