January 31, 2011

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

Subject: **Semi-Annual Summary Report – July through December 2010**

Site: **76 Station No. 5325**
3220 Lakeshore Avenue
Oakland, California
Fuel Leak Case No. RO0000229

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:

Brian Whalen
Platinum Energy
30343 Canwood Street, Suite 200
Agoura Hills, California 91301
Tel: (818) 206-5704
Fax: (818) 206-5721
bwhalen@platinum-energy.com

Sincerely,

PLATINUM ENERGY

BRIAN WHALEN

Attachment

Semi-Annual Summary Report - July through December 2010

76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, California

Alameda County LOP Case No. RO0000229
Regional Water Quality Control Board -
San Francisco Bay, Case No.01-1588

GeoTracker Global ID No.T0600101463

Antea Group Project No. I40255325

January 31, 2011

Prepared for:
Ms. Barbara Jakub
Hazardous Materials Specialist
Alameda County Health Care
Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502

Prepared by:
Antea™Group
11050 White Rock Road
Suite 110
Rancho Cordova, CA 95670
+1 800 477 7411

Inogen Environmental Alliance

SITE INFORMATION

Station Number:	**76 Service Station No. 5325**
Site Address:	3220 Lakeshore Avenue, Oakland, California, 94610
Contact:	Mr. Dennis Dettloff Project Manager Antea Group 11050 White Rock Road, Suite 110 Rancho Cordova, California 95670
Consulting Company:	Antea Group
Antea Group Project No.:	I40255325
Contact/ Primary Agency:	Ms. Barbara Jakub Alameda County Health Care Services Agency

WORK PERFORMED [July through December 2010]:

1. Delta prepared and submitted the *Semi-Annual Summary Report – January through June 2010*, dated July 26, 2010.
2. Blaine Tech Services, Inc. (Blaine Tech) performed the semi-annual groundwater monitoring and sampling activities on December 20, 2010.

WORK PROPOSED [January through June 2011]:

1. Antea Group will prepare and submit the *Semi-Annual Summary Report - July through December 2011*, contained herein.
2. Antea Group will prepare and submit a sensitive receptor survey.
3. Blaine Tech will perform the semi-annual groundwater monitoring and sampling activities during the second quarter 2011.

BACKGROUND

The site is located on the east corner of the intersection of Lakeshore Avenue and Lake Park Avenue in Oakland California. The site is bounded to the north by Lakeshore Avenue; to the west and southwest by Lake Park Avenue; to the southeast by a supermarket parking lot; and to the east by a pharmacy. Station facilities include service station building with one service bay, three fuel dispenser islands, and two 12,000-gallon double-wall fiberglass gasoline underground storage tanks (USTs) [**Figures 1 and 2]**.

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

Site summary data has been tabled in the following:

- **Table 1** summarizes the current groundwater gauging and analytical data.
- **Table 2** summarizes the historical groundwater gauging and analytical data.
- **Table 3** summarizes the historical groundwater gradient and flow directions.

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:	December 20, 2010
LNAPL Measured This Quarter:	None
Cumulative LNAPL Recovered to Date:	n/a
DTW Range (ft BTOC):	10.37 ft (U-3) to 4.21 ft (U-2)
Average Change in Groundwater Elevation Since Last Event (ft above mean sea level):	0.26 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	164 (U-5)	6,280 (U-1)
Benzene	1	0.66 (U-2)	0.66 (U-2)
MTBE	4	0.91 (U-3)	50.7 (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 December 20, 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 the CA LUFT Method, 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 (TKN) 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 December 20, 2010 sampling event. The following data qualifiers were noted on individual well and laboratory control samples:

- Laboratory Data Qualifier "1n": Sample was diluted due to the presence of high levels of non-target analyte. This data qualifier was noted on sulfate from the groundwater sampled collected from monitoring well U-5.
- Laboratory Data Qualifier "D6": The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. This data qualifier was noted on acetone for the sample collected 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. This data qualifier was noted on manganese, EDB, 1,2-DCA, benzene, ethylbenzene, toluene, total xylenes, acetone, TAME, chloride, sulfate, TKN, , nitrogen, NO_2 and NO_3 for the sample collected for the matrix spike & matrix spike duplicate.
- Laboratory Data Qualifier "M2": Matrix spike recovery was below QC limits due to sample dilution. Data acceptance based on LCS recovery. This data qualifier was noted on chloride for the sample collected for the matrix spike and matrix spike duplicate.

Purge and Rinse Water Disposal

Approximately 72 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 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**.

DISCUSSION AND CONCLUSION

The December 2010 semi-annual monitoring and sampling event was performed by Blaine Tech on December 20, 2010. Reported depth to groundwater in the site monitoring wells ranged from 4.21 feet (U-2) to 10.37 feet (U-3) below top of casing (TOC). The average groundwater elevation during the December 2010 monitoring event was 2.16 feet, an increase of 0.26 feet

from the previous event (June 2010). The groundwater flow direction was interpreted to be to the outward (southwest and east) 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 (6,280 (µg/L), U-2 (5,510 µg/L), and U-5 (164 µg/L) during the December 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 limit in the groundwater sample collected and submitted for analysis from monitoring well U-2 (0.66 µg/L) during the December 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 (7.0 (µg/L), U-2 (50.7 µg/L), U-3 (0.91 µg/L), and U-5 (3.9 µg/L) during the December 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 remediation being conducted at the site.

During the June 2010 and December 2010 groundwater sampling event, Blaine Tech, at the request of Antea Group (formally Delta Consultants), 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, July through December 2010.

REMARKS

The descriptions, conclusions, and recommendations contained in this report represent Antea Group'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 Antea Group, the data from those reports is used "as is" and is assumed to be accurate. Antea Group 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 Antea Group 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 Antea Groups's Client and anyone else specifically listed on this report. Antea Group will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea Group 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,

ANTEA GROUP

Edward T. Weyrens, G.I.T.
Staff Geologist

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

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Figures

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Groundwater Elevation Contour Map – December 20, 2010
Figure 4 – Dissolved Phase TPHg Isoconcentration Map – December 20, 2010
Figure 5 – Dissolved Phase Benzene Isoconcentration Map – December 20, 2010
Figure 6 – Dissolved Phase MTBE Isoconcentration Map – December 20, 2010
Figure 7 – Historical Groundwater Flow Directions

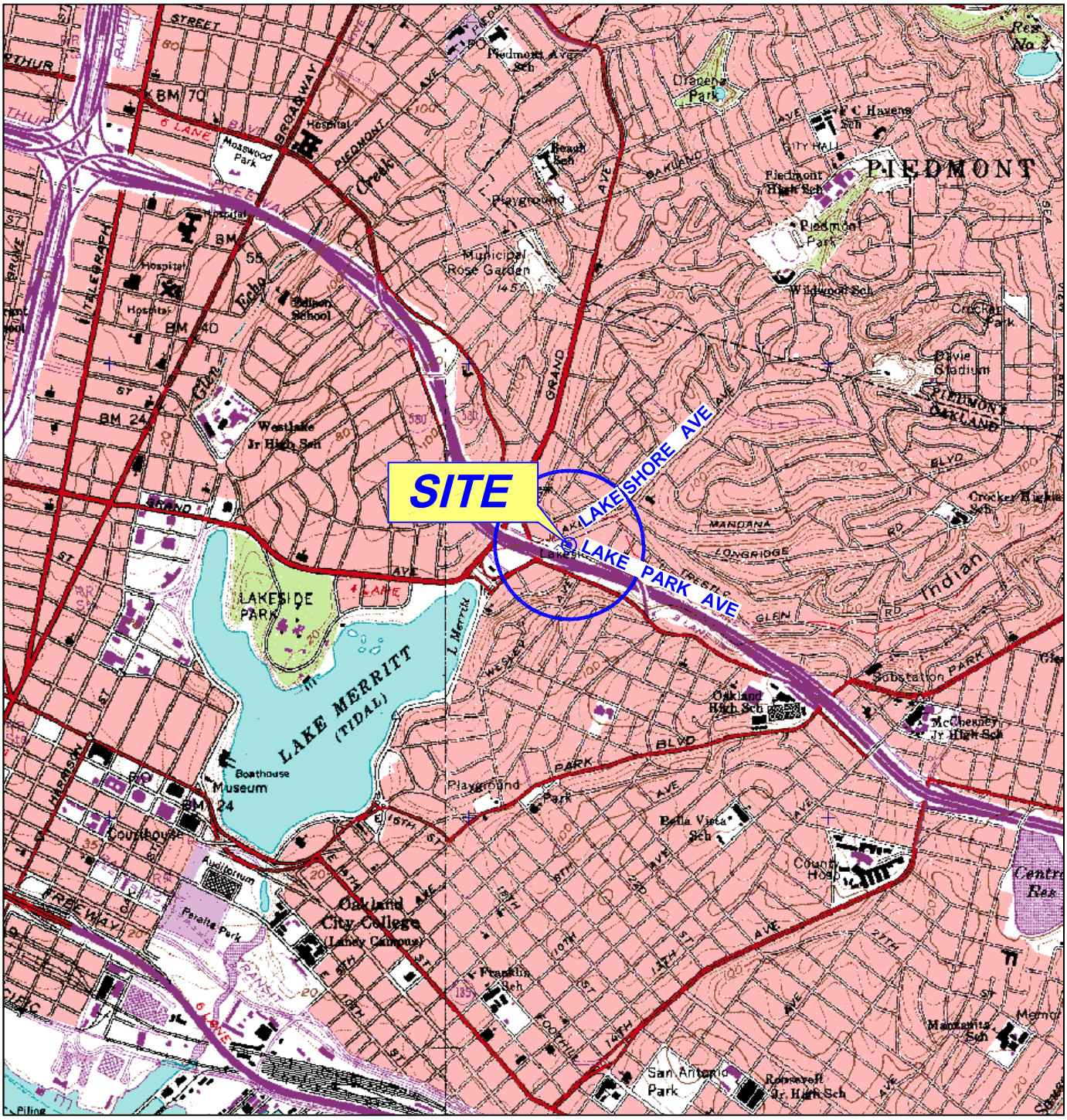
Tables

Table 1 – Current Groundwater Gauging and Analytical Data
Table 1a – Additional Current Groundwater Analytical Data
Table 1b – Additional Current Groundwater Analytical Data
Table 2 – Historical Groundwater Gauging and Analytical Data
Table 2a – Additional Historical Groundwater Analytical Data
Table 2b – Additional Historical Groundwater Analytical Data
Table 3 – Historical Groundwater Gradient and Flow Directions

Attachments

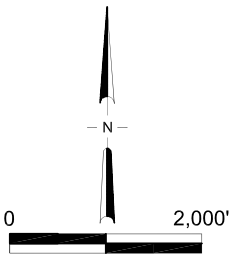
Attachment A – Previous Investigations and Site History Summary
Attachment B – Blaine Tech's Procedures for Groundwater Monitoring and Sampling, and Equipment Decontamination
Attachment C – Groundwater Monitoring and Sampling Field Data Sheets
Attachment D – Groundwater Sampling Certified Laboratory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

Figures



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

SITE LOCATION



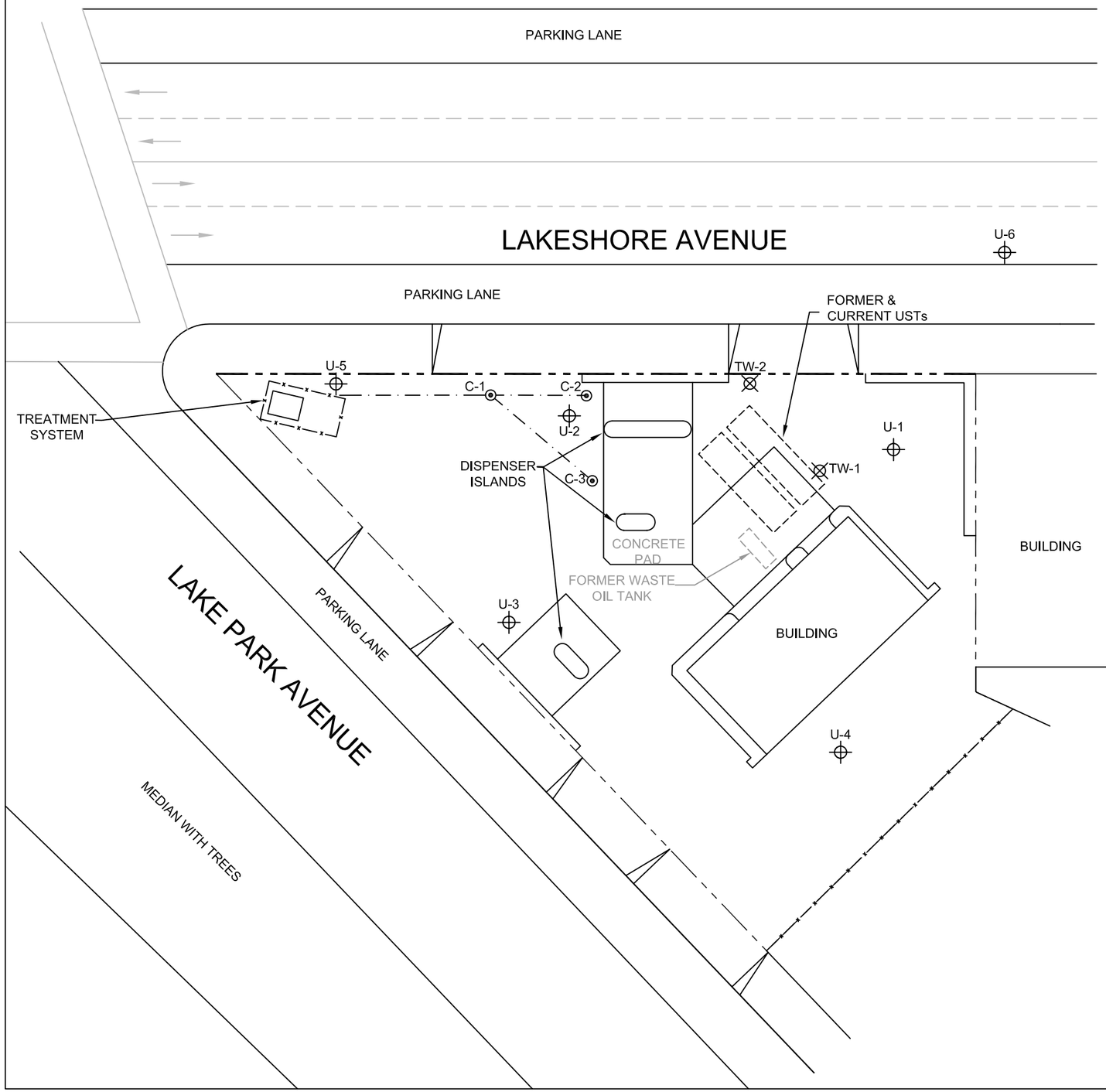
SCALE

FIGURE 1
SITE LOCATION MAP

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

PROJECT NO. 140255325		DRAWN BY JH	
FILE NO. 5325-SLM		PREPARED BY EW	
DATE 28 JAN 11	REV. 2	REVIEWED BY	

anteagroup



LEGEND

- U-6 — MONITORING WELL
- TW-1 — TANK CAVITY WELL
- C-1 — SPARGE POINT
- PROPERTY BOUNDARY
- TRENCHING
- FENCE

N

0 30 FT

SCALE

FIGURE 2
SITE PLAN

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

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	DD	JH
DATE	REVIEWED BY	FILE NAME
01/28/11	DD	76-5325

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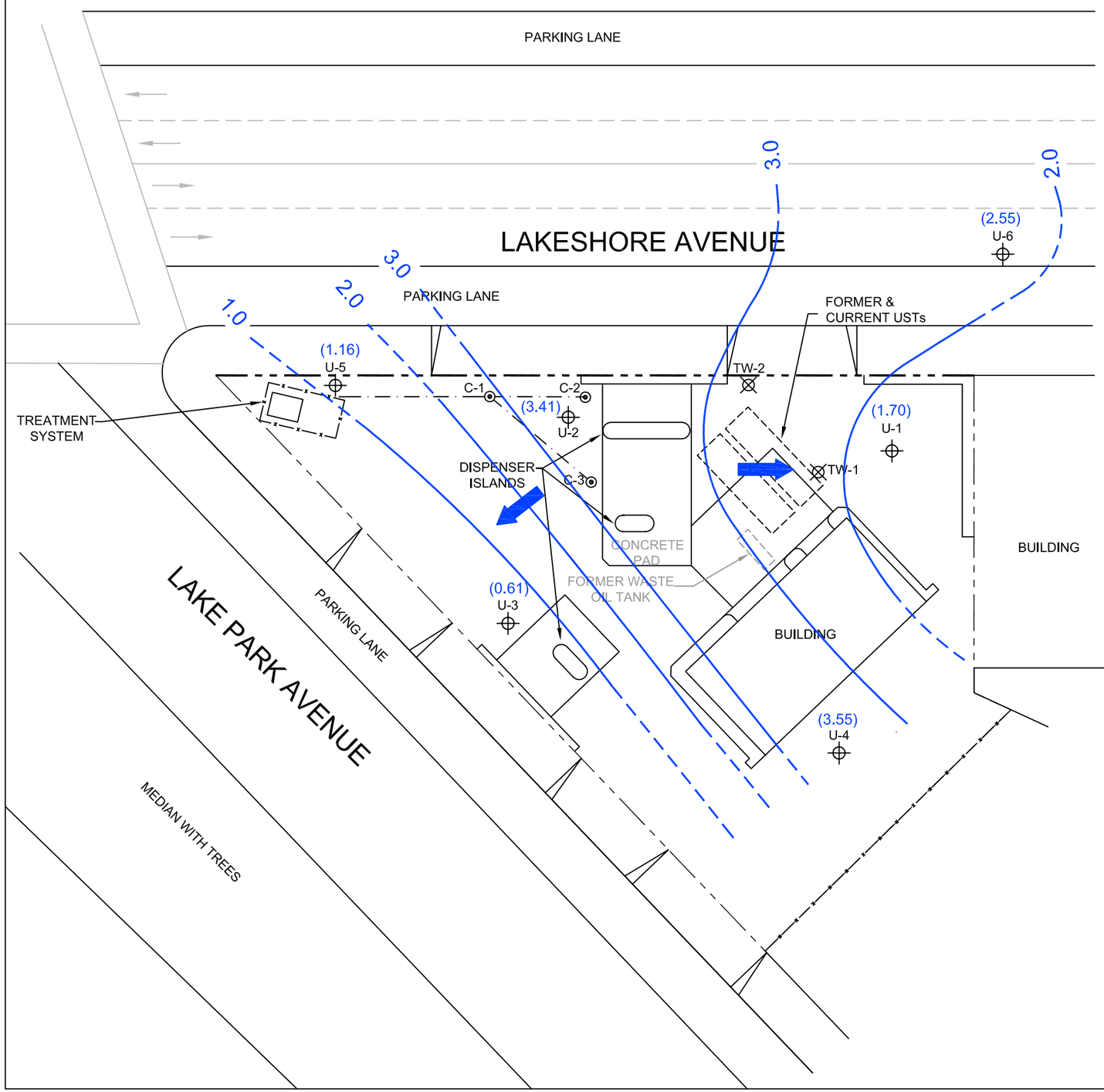

LEGEND

- U-6 — MONITORING WELL
- TW-1 — TANK CAVITY WELL
- C-1 — SPARGE POINT
- PROPERTY BOUNDARY
- TRENCHING
- FENCE
- (1.16) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (ft/msl)
- 1.0 — GROUNDWATER CONTOUR (ft/msl) -DASHED WHERE INFERRED
- GENERAL GROUNDWATER FLOW DIRECTION

N

0 30 FT

SCALE

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
DECEMBER 20, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	DD	JH
DATE	REVIEWED BY	FILE NAME
01/28/11	DD	76-5325

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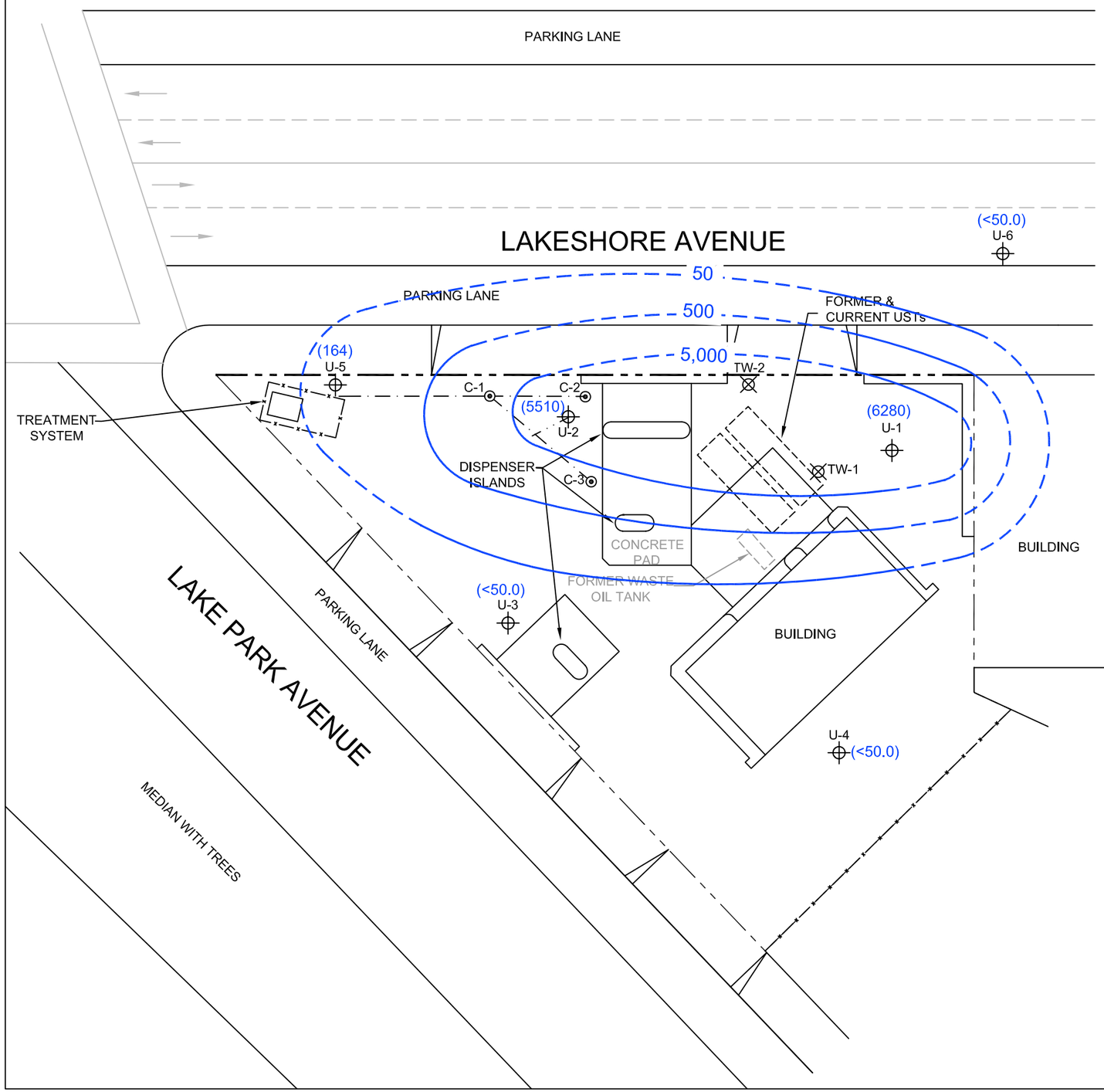

LEGEND

U-6 ⊕	MONITORING WELL
TW-1 ⊠	TANK CAVITY WELL
C-1 ⊙	SPARGE POINT
— — —	PROPERTY BOUNDARY
— · — · —	TRENCHING
—x—x—x—	FENCE
(6,280)	DISSOLVED PHASE TPH-G CONCENTRATION (µg/L)
— 5,000 —	DISSOLVED PHASE TPH-G ISOCONCENTRATION CONTOUR (µg/L) -DASHED WHERE INFERRED

NOTES:

TPH-G = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
µg/L = MICROGRAMS PER LITER
<50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS

N

0 30 FT

SCALE

FIGURE 4
DISSOLVED PHASE TPH–G ISOCONCENTRATION MAP
DECEMBER 20, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	DD	JH
DATE	REVIEWED BY	FILE NAME
01/28/11	DD	76-5325

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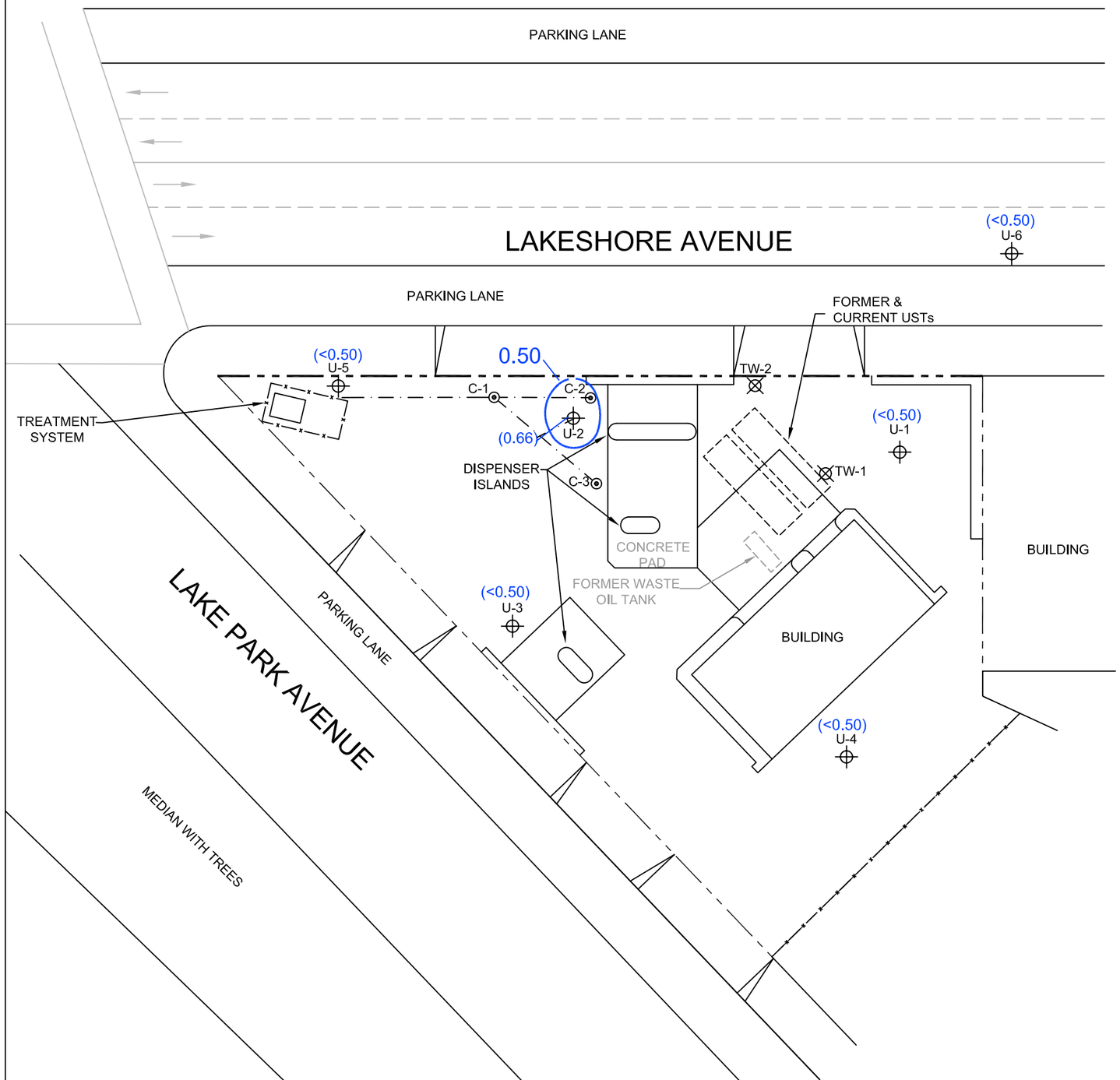

LEGEND

- U-6 — MONITORING WELL
- TW-1 — TANK CAVITY WELL
- C-1 — SPARGE POINT
- PROPERTY BOUNDARY
- TRENCHING
- FENCE
- (0.66) — DISSOLVED PHASE BENZENE CONCENTRATION (µg/L)
- 0.5 — DISSOLVED PHASE BENZENE ISOCONCENTRATION CONTOUR (µg/L) -DASHED WHERE INFERRED

NOTES:

µg/L = MICROGRAMS PER LITER
<0.50 = LESS THAN LABORATORY INDICATED REPORTING LIMITS

N

0 30 FT

SCALE

FIGURE 5
DISSOLVED PHASE BENZENE ISOCONCENTRATION MAP
DECEMBER 20, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	DD	JH
DATE	REVIEWED BY	FILE NAME
01/28/11	DD	76-5325

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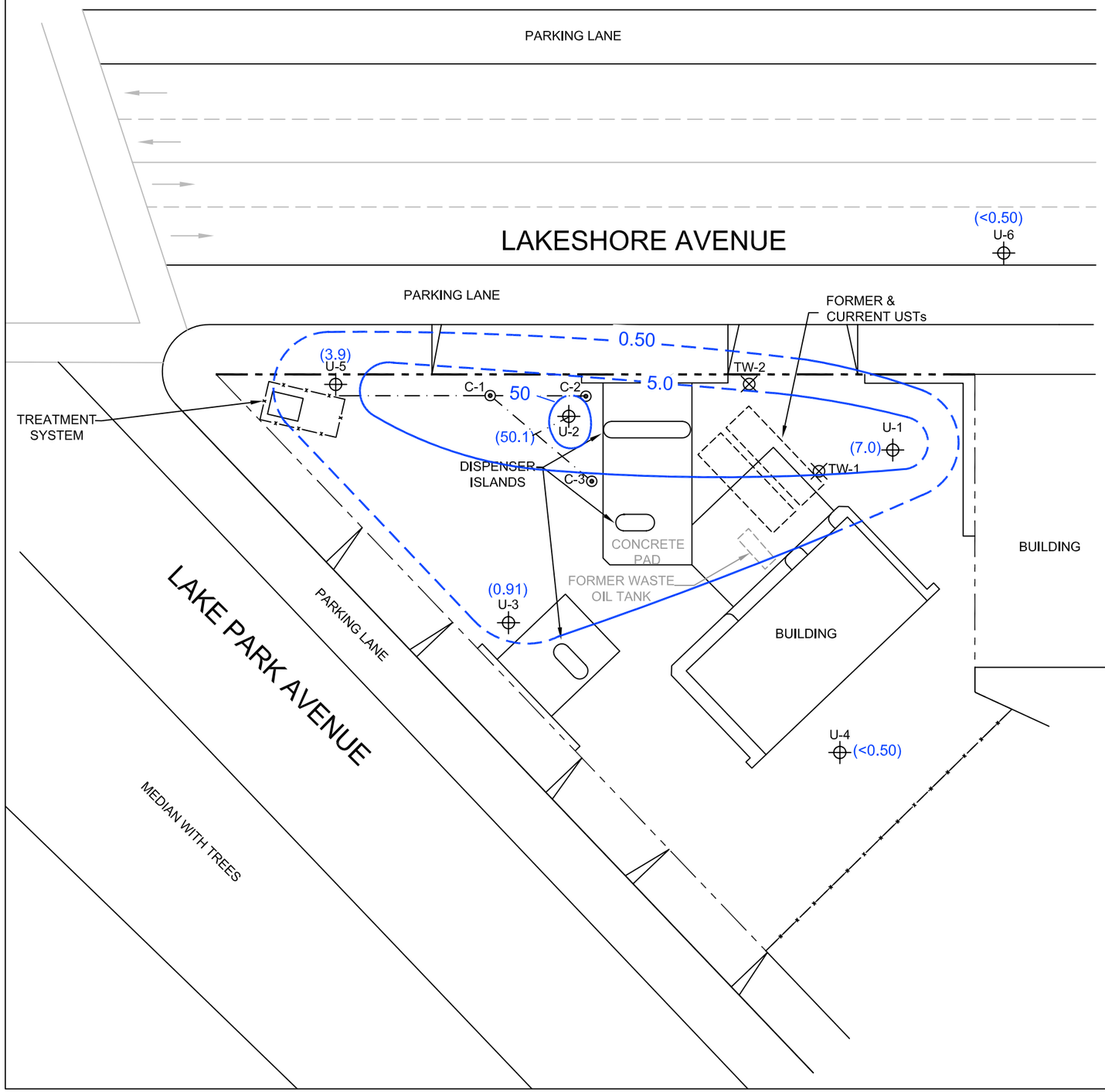


LEGEND

- U-6 — MONITORING WELL
- TW-1 — TANK CAVITY WELL
- C-1 — SPARGE POINT
- PROPERTY BOUNDARY
- TRENCHING
- FENCE
- (83.4) — DISSOLVED PHASE MTBE CONCENTRATION (µg/L)
- 50 — DISSOLVED PHASE MTBE ISOCONCENTRATION CONTOUR (µg/L) -DASHED WHERE INFERRED

NOTES:

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

N

0 30 FT

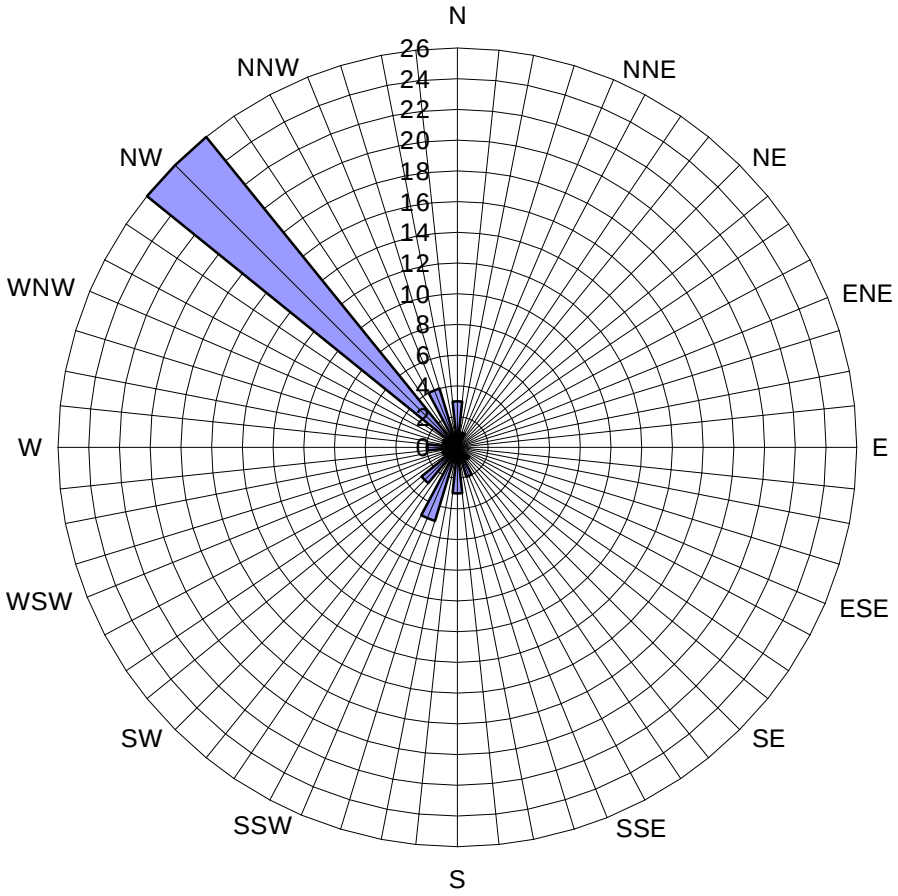
SCALE

FIGURE 6
DISSOLVED PHASE MTBE ISOCONCENTRATION MAP
DECEMBER 20, 2010
76 SERVICE STATION NO. 5325
3220 LAKESHORE DRIVE
OAKLAND, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
140255325	DD	JH
DATE	REVIEWED BY	FILE NAME
01/28/11	DD	76-5325

antea group

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



Legend
Groundwater flow directions are bas
data from the Third Quarter 1990 to
Fourth Quarter 2010. 52 data point
shown.

Tables

TABLE 1
CURRENT GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA												
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	12/20/2010	8.46	6.76	NP	1.70	**6280**	<0.50	<0.50	**29.9**	**1.8**	**7.0**	**391**	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-2	12/20/2010	7.62	4.21	NP	3.41	**5510**	**0.66**	<0.50	**28.3**	<1.5	**50.7**	**1090**	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-3	12/20/2010	10.98	10.37	NP	0.61	<50.0	<0.50	<0.50	<0.50	<1.5	**0.91**	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-4	12/20/2010	11.15	7.60	NP	3.55	<50.0	<0.50	<0.50	<0.50	<1.5	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-5	12/20/2010	6.98	5.82	NP	1.16	**164**	<0.50	<0.50	<0.50	<1.5	**3.9**	**67.7**	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-6	12/20/2010	7.14	4.59	NP	2.55	<50.0	<0.50	<0.50	<0.50	<1.5	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0

Gauging Notes:

TOC - Top of Casing
ft - Feet
NP - LNAPL not present
LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
-- - No information available
NGV - No guidance value

Analytical Notes:

Bold- Above indicated laboratory reporting limit
< - Not detected at or above indicated laboratory reporting limit
ug/L - micrograms/liter
TPHg- Total petroleum hydrocarbons as gasoline
MTBE- Methyl tertiary-butyl ether
TBA- Tertiary-butyl alcohol
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether

TABLE 1a
ADDITIONAL CURRENT GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA																	
		Acetone (ug/L)	Alkalinity (ug/L)	Antimony SW6010 (ug/L)	Arsenic SW6010 (ug/L)	Barium SW6010 (ug/L)	Beryllium SW6010 (ug/L)	Biochemical Oxygen Demand (ug/L)	Cadmium SW6010 (ug/L)	Chemical Oxygen Demand (ug/L)	Chloride (ug/L)	Cobalt SW6010 (ug/L)	Iron SW6010 (ug/L)	Iron, Ferric (ug/L)	Iron, Ferrous A3500D (ug/L)	Lead SW6010 (ug/L)	Manganese SW6010 (ug/L)	Mercury (ug/L)	Molybdenum SW6010 (ug/L)
U-1	12/20/2010	<5.0	**371,000**	<60.0	**32.5**	**237**	<5.0	**16700**	<5.0	**41000**	**46000**	<50.0	**10600**	**7000**	**3600**	<10.0	**3020**	<0.20	<20.0
U-2	12/20/2010	**13.5**	**754,000**	<60.0	**46.4**	**209**	<5.0	**17300**	<5.0	**65500**	**61400**	<50.0	**3710**	<100	**4400**	<10.0	**5740**	<0.20	**49.5**
U-3	12/20/2010	--	**312,000**	--	--	--	--	--	--	--	--	--	**812**	--	--	--	--	--	--
U-4	12/20/2010	<5.0	**352,000**	<60.0	<20.0	<100	<5.0	<2000	<5.0	**9090**	**43500**	<50.0	**118**	**118**	<100	<10.0	<15.0	<0.20	<20.0
U-5	12/20/2010	--	**319,000**	--	--	--	--	--	--	--	--	--	**7160**	--	--	--	--	--	--
U-6	12/20/2010	--	**87,800**	--	--	--	--	--	--	--	--	--	**28500**	--	--	--	--	--	--

Analytical Notes:

Bold- Above indicated laboratory reporting limit

< - Not detected at or above indicated laboratory reporting limit

ug/L - micrograms/liter

TABLE 1b
ADDITIONAL CURRENT GROUNDWATER ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER ANALYTICAL DATA											
		Nickel SW6010 (ug/L)	Nitrate as N (ug/L)	Nitrite as N (ug/L)	Nitrogen (ug/L)	Nitrogen, NO2 plus NO3 (ug/L)	Selenium SW6010 (ug/L)	Silver SW6010 (ug/L)	Sulfate (ug/L)	Thallium SW6010 (ug/L)	TKE (ug/L)	Vanadium SW6010 (ug/L)	Zinc SW6010 (ug/L)
U-1	12/20/2010	<40.0	<50.0	**111**	**4280**	**82.1**	<10.0	<10.0	<1000	<20.0	**4,280**	<50.0	<40.0
U-2	12/20/2010	<40.0	<50.0	**29.6**	**4360**	<50.0	<10.0	<10.0	**46500**	<20.0	**4,360**	<50.0	<40.0
U-3	12/20/2010	--	**4770**	**13.3**	--	**4780**	--	--	**62100**	--	--	--	--
U-4	12/20/2010	<40.0	**4090**	<10.0	<1000	**4100**	<10.0	<10.0	**77400**	<20.0	<1000	<50.0	<40.0
U-5	12/20/2010	--	<50.0	**34.3**	--	<50.0	--	--	<5000	--	--	--	--
U-6	12/20/2010	--	**486**	**33.4**	--	**520**	--	--	**12400**	--	--	--	--

Analytical Notes:

Bold- Above indicated laboratory reporting limit

< - Not detected at or above indicated laboratory reporting limit

TKE- Total Kjeldahl Nitrogen

mg/L - milligrams per liter

ug/L - micrograms/liter

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	8/10/1990	NSVD	NG	NG	NG	690	38	75	8.6	130	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	250	22	16	4.2	17	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	160	13	8.6	1.0	15	--	--	--	--	--	--	--	--	--
	7/3/1991	NSVD	NG	NG	NG	140	21	4.3	0.36	17	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/12/1992	NSVD	NG	NG	NG	250	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	230	1.2	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	1000	80	1.4	6.7	41	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	400	1.0	ND	ND	0.6	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	34000	1400	5500	910	7300	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	8700	600	240	650	3300	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	4900	79	ND	832	270	--	--	--	--	--	--	--	--	--
	11/16/1993	5.32	8.60	NP	-3.28	690	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	5.32	8.53	NP	-3.21	6800	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/22/1994	8.46	8.39	NP	0.07	200	ND	ND	5.9	21	--	--	--	--	--	--	--	--	--
	9/22/1994	8.46	8.65	NP	-0.19	6100	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	8.46	8.03	NP	0.43	50000	2500	9700	2400	17000	--	--	--	--	--	--	--	--	--
	3/25/1995	8.46	7.71	0.36	1.02	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/21/1995	8.46	9.30	0.20	-0.69	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1995	8.46	9.28	0.39	-0.53	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/19/1995	8.46	8.97	0.02	-0.50	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/18/1996	8.46	8.25	NP	0.21	27000	ND	2300	1400	11000	4900	--	--	--	--	--	--	--	--
	6/27/1996	8.46	7.92	NP	0.54	120000	540	4300	2600	26000	ND	--	--	--	--	--	--	--	--
	9/26/1996	8.46	9.10	0.02	-0.63	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/9/1996	8.46	6.88	0.03	1.60	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/14/1997	8.46	9.02	0.55	-0.15	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/30/1997	8.46	8.40	0.01	0.07	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1997	8.46	8.56	0.02	-0.09	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/12/1997	8.46	8.57	0.00	-0.11	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/3/1998	8.46	8.22	0.03	0.26	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/15/1998	8.46	8.36	NP	0.10	52000	ND	900	1800	13000	ND	--	--	--	--	--	--	--	--
	9/30/1998	8.46	8.93	NP	-0.47	1000000	ND	2600	13000	83000	4800	--	--	--	--	--	--	--	--
	12/28/1998	8.46	8.56	NP	-0.10	1100000	ND	1600	8600	71000	5700	--	--	--	--	--	--	--	--
	3/22/1999	8.46	8.18	NP	0.28	130000	470	1100	2000	28000	5700	--	--	--	--	--	--	--	--
	6/9/1999	8.46	9.36	NP	-0.90	40000	230	640	590	13000	3500	2100	--	--	--	--	--	--	--
	9/8/1999	8.46	9.52	NP	-1.06	55000	217	202	745	14300	6890	6690	--	--	--	--	--	--	--
	12/7/1999	8.46	9.67	NP	-1.21	41200	89.3	ND	385	6930	15800	14700	--	--	--	--	--	--	--
	3/13/2000	8.46	8.43	NP	0.03	48000	490	610	2400	10000	22000	23000	--	--	--	--	--	--	--
	6/21/2000	8.46	9.44	NP	-0.98	37000	200	ND	1200	7200	15000	20000	--	--	--	--	--	--	--
	9/27/2000	8.46	9.28	NP	-0.82	15000	92	ND	540	2800	74000	83000	ND	--	ND	ND	ND	ND	--
	12/12/2000	8.46	9.36	NP	-0.90	50000	ND	ND	250	1900	12000	15000	--	--	--	--	--	--	--
	3/7/2001	8.46	8.44	NP	0.02	6220	29.8	10.4	96.3	638	11200	11800	ND	--	ND	ND	ND	ND	--
	6/6/2001	8.46	9.28	NP	-0.82	5200	17	ND	69	420	6500	8700	ND	--	ND	ND	ND	ND	--
	9/24/2001	8.46	9.39	NP	-0.93	4300	36	<25	65	590	4400	4400	<20000	<400000	<1000	<1000	<1000	<1000	<1000
	12/10/2001	8.46	9.17	NP	-0.71	11000	220	<100	380	1500	5100	5100	<4000	<8000	<100	<100	<100	<100	<100
	3/11/2002	8.46	9.43	NP	-0.97	5500	28	<20	360	690	6400	6300	<5000	<25000	<100	<100	<100	<100	<100
	6/4/2002	8.46	8.31	NP	0.15	4600	31	<10	240	180	6500	--	--	--	--	--	--	--	--
	9/3/2002	8.46	9.35	NP	-0.89	2300	<12	<12	<12	68	3500	4700	<10000	<50000	<200	<200	<200	<200	<200
	12/3/2002	8.46	8.18	NP	0.28	<5000	<50	<50	<50	<100	--	4700	<10000	<50000	<200	<200	<200	<200	<200
	3/4/2003	8.46	8.28	NP	0.18	8900	26	<25	400	130	--	5500	<5000	<25000	<100	<100	<100	<100	<100
	6/18/2003	8.46	7.57	NP	0.89	8300	<25	<25	<25	<50	--	10000	<5000	<25000	<100	<100	<100	<100	<100
	9/24/2003	8.46	8.18	NP	0.28	<10000	<100	<100	<100	<200	--	11000	<20000	<100000	<400	<400	<400	<400	<400
	12/2/2003	8.46	8.89	NP	-0.43	<10000	<100	<100	<100	<200	--	11000	--	<100000	--	--	--	--	--
	3/30/2004	8.46	8.38	NP	0.08	12000	<100	<100	190	<200	--	13000	3100	<10000	<200	<100	<100	<100	<100
	6/7/2004	8.46	10.35	NP	-1.89	13000	<100	<100	<100	<200	--	12000	3300	<10000	<200	<100	<100	<100	<100

TABLE 2
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76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-1	9/9/2004	8.46	dry	dry	dry	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	12/20/2004	8.46	9.00	NP	-0.54	<50	<0.50	<0.50	<0.50	<1.0	--	8.2	11	<50	<1.0	<0.50	<0.50	<0.50	<0.50
	3/28/2005	8.46	8.10	NP	0.36	37000	<10	<10	1500	5300	--	460	--	<1000	--	--	--	--	--
	6/14/2005	8.46	8.90	NP	-0.44	3900	<0.50	<0.50	48	68	--	60	4400	<1000	<10	<10	<10	<10	<10
	9/28/2005	8.46	11.35	NP	-2.89	560	<0.50	0.60	3.0	26	--	18	5500	<250	<10	<10	<10	<10	<10
	12/29/2005	8.46	8.57	NP	-0.11	510	0.77	<0.50	27	63	--	62	3900	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	3/27/2006	8.46	7.19	NP	1.27	29000	<25	<25	1500	4900	--	300	--	<12000	--	--	--	--	--
	6/12/2006	8.46	7.80	NP	0.66	3200	<0.50	<0.50	42	15	--	56	--	<250	--	--	--	--	--
	9/21/2006	8.46	8.03	NP	0.43	2600	<12	<12	<12	<12	--	30	--	<6200	--	--	--	--	--
	12/21/2006	8.46	8.31	NP	0.15	2000	<0.50	<0.50	13	2.2	--	53	--	<250	--	--	--	--	--
	3/28/2007	8.46	6.17	NP	2.29	12000	<2.5	<2.5	690	1900	--	110	1600	<1200	<2.5	<2.5	<2.5	<2.5	<2.5
	6/27/2007	8.46	5.38	NP	3.08	13000	2.8	<2.5	960	1300	--	79	1500	<1200	<2.5	<2.5	<2.5	<2.5	<2.5
	9/26/2007	8.46	5.32	NP	3.14	6900	2.6	<2.5	310	680	--	44	--	<1200	--	--	--	--	--
	12/27/2007	8.46	8.11	NP	0.35	5900	<2.5	<2.5	290	130	--	42	--	<1200	--	--	--	--	--
	3/26/2008	8.46	7.84	NP	0.62	3500	<2.5	<2.5	100	18	--	30	--	<1200	--	--	--	--	--
	6/18/2008	8.46	7.03	NP	1.43	8400	<5.0	<5.0	230	86	--	26	--	<2500	--	--	--	--	--
	9/24/2008	8.46	6.90	NP	1.56	6000	3.3	<2.5	170	86	--	78	--	<1200	--	--	--	--	--
	12/22/2008	8.46	7.69	NP	0.77	6400	0.64	<0.50	95	7.0	--	12	--	<250	--	--	--	--	--
	3/26/2009	8.46	7.55	NP	0.91	5700	<2.5	<2.5	72	6.5	--	10	--	<1200	--	--	--	--	--
	6/23/2009	8.46	6.80	NP	1.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	8.46	7.30	NP	1.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	8.46	6.71	NP	1.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	7090	<0.50	<0.50	2.1	2.2	--	5.1	1110	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	12/20/2010	8.46	6.76	NP	1.70	6280	<0.50	<0.50	29.9	1.8	--	7.0	391	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-2	8/10/1990	NSVD	NG	NG	NG	780	27	46	15	130	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	1900	67	5.8	58	69	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	1700	250	89	34	190	--	--	--	--	--	--	--	--	--
	7/3/1991	NSVD	NG	NG	NG	2100	150	25	3.1	290	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	230	7.1	ND	ND	11	--	--	--	--	--	--	--	--	--
	2/12/1992	NSVD	NG	NG	NG	410	1.9	ND	0.36	0.4	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	1600	120	52	6.2	290	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	620	17	2.1	ND	37	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	700	28	6.5	1.3	4.6	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	3400	2400	2100	1200	5800	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	17000	1800	660	1700	4000	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	5600	420	ND	410	670	--	--	--	--	--	--	--	--	--
	11/16/1993	4.53	8.17	NP	-3.64	510	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	4.53	7.73	NP	-3.20	980	49	13	2.7	40	--	--	--	--	--	--	--	--	--
	6/22/1994	7.62	7.59	NP	0.03	31000	2200	62	1500	3500	--	--	--	--	--	--	--	--	--
	9/22/1994	7.62	7.92	NP	-0.30	8500	29	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	7.62	7.26	NP	0.36	32000	1500	890	1300	5000	--	--	--	--	--	--	--	--	--
	3/25/1995	7.62	7.01	NP	0.61	170000	1900	21000	4800	33000	--	--	--	--	--	--	--	--	--
	6/21/1995	7.62	6.98	NP	0.64	16000	2100	ND	1800	1700	--	--	--	--	--	--	--	--	--
	9/19/1995	7.62	7.69	NP	-0.07	3000	610	ND	78	240	--	--	--	--	--	--	--	--	--
	12/19/1995	7.62	7.30	NP	0.32	1600	140	55	52	270	--	--	--	--	--	--	--	--	--
	3/18/1996	7.62	6.44	NP	1.18	12000	2200	ND	1200	2200	22000	--	--	--	--	--	--	--	--
	6/27/1996	7.62	7.40	NP	0.22	28000	3400	ND	2800	3100	3000	--	--	--	--	--	--	--	--
	9/26/1996	7.62	7.90	NP	-0.28	5900	750	ND	ND	ND	18000	--	--	--	--	--	--	--	--
	12/9/1996	7.62	6.76	NP	0.86	13000	5100	290	980	370	2700	--	--	--	--	--	--	--	--
	3/14/1997	7.62	7.11	0.02	0.53	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	6/30/1997	7.62	6.19	NP	1.43	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	9/19/1997	7.62	7.30	NP	0.32	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	12/12/1997	7.62	6.75	NP	0.87	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH	LPH
	3/3/1998	7.62	6.36	NP	1.26	80000	3000	1100	820	16000	16000	--	--	--	--	--	--	--	--

TABLE 2
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76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-2	6/15/1998	7.62	6.51	NP	1.11	48000	1800	330	470	7900	20000	--	--	--	--	--	--	--	--
	9/30/1998	7.62	7.17	NP	0.45	60000	1300	ND	500	9700	19000	--	--	--	--	--	--	--	--
	12/28/1998	7.62	7.05	NP	0.57	63000	590	160	320	5600	16000	--	--	--	--	--	--	--	--
	3/22/1999	7.62	6.82	NP	0.80	28000	1100	ND	360	2900	25000	--	--	--	--	--	--	--	--
	6/9/1999	7.62	7.51	NP	0.11	21000	110	190	310	2600	7900	7800	--	--	--	--	--	--	--
	9/8/1999	7.62	8.15	NP	-0.53	23300	477	138	286	4110	16400	15300	--	--	--	--	--	--	--
	12/7/1999	7.62	8.31	NP	-0.69	4840	17.2	ND	ND	157	14900	15600	--	--	--	--	--	--	--
	3/13/2000	7.62	6.69	NP	0.93	11000	380	160	ND	2100	22000	26000	--	--	--	--	--	--	--
	6/21/2000	7.62	7.67	NP	-0.05	9100	22	ND	ND	800	16000	22000	--	--	--	--	--	--	--
	9/27/2000	7.62	7.44	NP	0.18	2900	43	ND	ND	39	20000	26000	--	--	--	--	--	--	--
	12/12/2000	7.62	7.51	NP	0.11	3600	17	ND	ND	87	8000	7800	--	--	--	--	--	--	--
	3/7/2001	7.62	7.15	NP	0.47	1670	51.0	ND	7.20	19.5	5930	7900	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	7.62	7.57	NP	0.05	1100	14	ND	9.3	35	9200	10000	ND	ND	ND	ND	ND	ND	ND
	9/24/2001	7.62	7.63	NP	-0.01	1000	25	<2.5	12	100	9800	11000	<20000	<400000	<1000	<1000	<1000	<1000	<1000
	12/10/2001	7.62	6.78	NP	0.84	83	14	0.55	3.4	6.8	2500	2500	<2000	<4000	<50	<50	<50	<50	<50
	3/11/2002	7.62	7.11	NP	0.51	<1000	28	<10	40	31	11000	11000	<10000	<50000	<200	<200	<200	<200	<200
	6/4/2002	7.62	7.17	NP	0.45	7700	32	<25	33	48	14000	--	--	--	--	--	--	--	--
	9/3/2002	7.62	7.57	NP	0.05	5200	<25	<25	<25	<25	11000	15000	<50000	<250000	<1000	<1000	<1000	<1000	<1000
	12/3/2002	7.62	7.67	NP	-0.05	<5000	<50	<50	<50	<100	--	3200	<10000	<50000	<200	<200	<200	<200	<200
	3/4/2003	7.62	7.76	NP	-0.14	8100	<50	<50	<50	<100	--	7800	<10000	<50000	<200	<200	<200	<200	<200
	6/18/2003	7.62	6.86	NP	0.76	11000	<50	<50	<50	<100	--	16000	<10000	<50000	<200	<200	<200	<200	<200
	9/24/2003	7.62	7.48	NP	0.14	<10000	<100	<100	<100	<200	--	10000	<20000	<100000	<400	<400	<400	<400	<400
	12/2/2003	7.62	7.94	NP	-0.32	<10000	<100	<100	<100	<200	--	10000	--	<100000	--	--	--	--	--
	3/30/2004	7.62	7.07	NP	0.55	12000	<100	<100	<100	<200	--	11000	2400	<10000	<200	<100	<100	<100	<100
	6/7/2004	7.62	7.75	NP	-0.13	14000	<100	<100	<100	<200	--	13000	2600	<10000	<200	<100	<100	<100	<100
	9/9/2004	7.62	8.64	NP	-1.02	<10000	<100	<100	<100	<200	--	9500	2700	<10000	<200	<100	<100	<100	<100
	12/20/2004	7.62	7.73	NP	-0.11	<5000	<50	<50	<50	<100	--	11000	3500	<5000	<100	<50	<50	<50	<50
	3/28/2005	7.62	6.23	NP	1.39	12000	<50	<50	160	120	--	7000	830	<5000	<50	<50	<0.50	<50	<50
	6/14/2005	7.62	7.05	NP	0.57	2000	0.75	<0.50	3.7	1.1	--	2400	10000	<2000	<20	<20	<20	<20	<20
	9/28/2005	7.62	8.00	NP	-0.38	320	<0.50	<0.50	<0.50	<1.0	--	80	13000	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	12/29/2005	7.62	7.23	NP	0.39	<50	<0.50	<0.50	<0.50	<1.0	--	35	11000	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	3/27/2006	7.62	5.30	NP	2.32	2400	31	0.73	120	15	--	1400	--	<250	--	--	--	--	--
	6/12/2006	7.62	6.25	NP	1.37	<1200	<12	<12	17	<25	--	490	--	<6200	--	--	--	--	--
	9/21/2006	7.62	6.00	NP	1.62	440	6.1	<0.50	1.7	<0.50	--	1100	--	<250	--	--	--	--	--
	12/21/2006	7.62	6.07	NP	1.55	670	10	<0.50	52	1.2	--	730	--	<250	--	--	--	--	--
	3/28/2007	7.62	5.05	NP	2.57	3300	36	<5.0	200	6.8	--	1200	4000	<2500	<5.0	<5.0	<5.0	<5.0	<5.0
	6/27/2007	7.62	4.80	NP	2.82	5100	94	<5.0	640	7.1	--	1100	3000	<2500	<5.0	<5.0	<5.0	<5.0	<5.0
	9/26/2007	7.62	4.73	NP	2.89	3900	54	<5.0	240	240	--	670	--	<2500	--	--	--	--	--
	12/27/2007	7.62	5.80	NP	1.82	2200	21	<5.0	77	16	--	470	--	<2500	--	--	--	--	--
	3/26/2008	7.62	5.61	NP	2.01	4300	45	<2.5	210	77	--	580	--	<1200	--	--	--	--	--
	6/18/2008	7.62	5.30	NP	2.32	5400	31	<5.0	270	38	--	250	--	<2500	--	--	--	--	--
	9/24/2008	7.62	5.09	NP	2.53	4400	24	<0.50	190	24	--	300	--	<250	--	--	--	--	--
	12/22/2008	7.62	4.98	NP	2.64	6200	24	<0.50	160	31	--	160	--	<250	--	--	--	--	--
	3/26/2009	7.62	5.17	NP	2.45	5200	8.9	<2.5	47	22	--	150	--	<1200	--	--	--	--	--
	6/23/2009	7.62	4.90	NP	2.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	7.62	5.18	NP	2.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	7.62	4.97	NP	2.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	4900	0.64	<0.50	18.5	<1.5	--	55.9	3750	<250	<0.50	<0.50	0.53	<1.0	<1.0
U-2	12/20/2010	7.62	4.21	NP	3.41	5510	0.66	<0.50	28.3	<1.5	--	50.7	1090	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	8/10/1990	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	1/7/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	1.8	--	--	--	--	--	--	--	--	--
	4/1/1991	NSVD	NG	NG	NG	ND	1.0	2.9	0.53	5.4	--	--	--	--	--	--	--	--	--
	7/3/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	10/9/1991	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-3	2/12/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/5/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/11/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	8/20/1992	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/22/1993	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	5/7/1993	NSVD	NG	NG	NG	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	8/8/1993	NSVD	NG	NG	NG	210	5.0	9.7	0.7	4.1	--	--	--	--	--	--	--	--	--
	11/16/1993	7.86	11.81	NP	-3.95	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	2/16/1994	7.86	11.61	NP	-3.75	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/22/1994	10.98	11.64	NP	-0.66	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	10.98	11.76	NP	-0.78	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/24/1994	10.98	11.27	NP	-0.29	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/25/1995	10.98	10.96	NP	0.02	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/21/1995	10.98	11.36	NP	-0.38	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	10.98	11.55	NP	-0.57	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	10.98	11.44	NP	-0.46	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	10.98	11.10	NP	-0.12	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/27/1996	10.98	11.15	NP	-0.17	440	49	50	51	140	50	--	--	--	--	--	--	--	--
	9/26/1996	10.98	11.55	NP	-0.57	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/9/1996	10.98	10.11	NP	0.87	ND	ND	ND	ND	ND	29	--	--	--	--	--	--	--	--
	3/14/1997	10.98	10.86	NP	0.12	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/30/1997	10.98	11.07	NP	-0.09	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/19/1997	10.98	11.05	NP	-0.07	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/1997	10.98	10.57	NP	0.41	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/3/1998	10.98	9.84	NP	1.14	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/15/1998	10.98	10.56	NP	0.42	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/30/1998	10.98	11.11	NP	-0.13	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/28/1998	10.98	10.96	NP	0.02	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/22/1999	10.98	9.46	NP	1.52	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/9/1999	10.98	11.01	NP	-0.03	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/8/1999	10.98	11.31	NP	-0.33	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/7/1999	10.98	11.26	NP	-0.28	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/13/2000	10.98	8.27	NP	2.71	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/21/2000	10.98	11.11	NP	-0.13	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/27/2000	10.98	11.06	NP	-0.08	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/2000	10.98	10.93	NP	0.05	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/7/2001	10.98	8.31	NP	2.67	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/6/2001	10.98	10.93	NP	0.05	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	10.98	11.02	NP	-0.04	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/10/2001	10.98	8.15	NP	2.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	10.98	7.82	NP	3.16	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--	--
	6/4/2002	10.98	10.57	NP	0.41	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	9/3/2002	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/3/2002	10.98	10.65	NP	0.33	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	3/4/2003	10.98	10.76	NP	0.22	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	6/18/2003	10.98	10.26	NP	0.72	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	9/24/2003	10.98	10.88	NP	0.10	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	<500	--	--	--	--	--
	12/2/2003	10.98	11.00	NP	-0.02	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	<500	--	--	--	--	--
	3/30/2004	10.98	10.64	NP	0.34	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	6/7/2004	10.98	11.00	NP	-0.02	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	9/9/2004	10.98	11.31	NP	-0.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	12/20/2004	10.98	10.78	NP	0.20	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	3/28/2005	10.98	9.80	NP	1.18	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	6/14/2005	10.98	10.75	NP	0.23	<50	<0.50	<0.50	<0.50	1.2	--	<0.50	--	<50	--	--	--	--	--
	9/28/2005	10.98	11.15	NP	-0.17	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--

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76 SERVICE STATION No. 5325
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Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-3	12/29/2005	10.98	10.40	NP	0.58	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/27/2006	10.98	10.15	NP	0.83	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/12/2006	10.98	9.93	NP	1.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	9/21/2006	10.98	11.01	NP	-0.03	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	12/21/2006	10.98	10.92	NP	0.06	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	3/28/2007	10.98	10.84	NP	0.14	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	6/27/2007	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	9/26/2007	10.98	11.01	NP	-0.03	770	<0.50	<0.50	<0.50	<0.50	--	18	--	<250	--	--	--	--	--
	12/27/2007	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<1.0	--	0.63	--	<250	--	--	--	--	--
	3/26/2008	10.98	10.84	NP	0.14	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/18/2008	10.98	10.89	NP	0.09	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	9/24/2008	10.98	10.89	NP	0.09	<50	<0.50	<0.50	<0.50	<1.0	--	0.87	--	<250	--	--	--	--	--
	12/22/2008	10.98	10.93	NP	0.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/26/2009	10.98	10.69	NP	0.29	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/23/2009	10.98	10.40	NP	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	10.98	11.10	NP	-0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	10.98	10.67	NP	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	10.98	10.74	NP	0.24	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	12/20/2010	10.98	10.37	NP	0.61	<50.0	<0.50	<0.50	<0.50	<1.5	--	0.91	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-4	6/22/1994	11.15	10.15	NP	1.00	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	11.15	10.78	NP	0.37	ND	0.78	1.3	ND	1.4	--	--	--	--	--	--	--	--	--
	12/24/1994	11.15	9.81	NP	1.34	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/25/1995	11.15	9.51	NP	1.64	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/21/1995	11.15	9.53	NP	1.62	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	11.15	10.17	NP	0.98	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	11.15	9.97	NP	1.18	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	11.15	9.65	NP	1.50	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/27/1996	11.15	9.73	NP	1.42	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/26/1996	11.15	10.14	NP	1.01	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/9/1996	11.15	8.67	NP	2.48	ND	ND	ND	ND	ND	33	--	--	--	--	--	--	--	--
	3/14/1997	11.15	9.35	NP	1.80	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/30/1997	11.15	9.89	NP	1.26	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/19/1997	11.15	9.96	NP	1.19	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/1997	11.15	8.56	NP	2.59	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/3/1998	11.15	7.84	NP	3.31	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/15/1998	11.15	9.07	NP	2.08	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/30/1998	11.15	9.75	NP	1.40	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/28/1998	11.15	9.59	NP	1.56	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/22/1999	11.15	8.34	NP	2.81	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/9/1999	11.15	9.39	NP	1.76	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/8/1999	11.15	9.89	NP	1.26	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/7/1999	11.15	10.05	NP	1.10	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/13/2000	11.15	7.23	NP	3.92	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/21/2000	11.15	9.47	NP	1.68	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/27/2000	11.15	9.42	NP	1.73	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/12/2000	11.15	9.50	NP	1.65	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	3/7/2001	11.15	6.88	NP	4.27	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	6/6/2001	11.15	9.18	NP	1.97	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	11.15	9.21	NP	1.94	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/10/2001	11.15	7.32	NP	3.83	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	11.15	6.92	NP	4.23	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--	--	--
	6/4/2002	11.15	7.57	NP	3.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	9/3/2002	11.15	9.17	NP	1.98	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--	--	--
	12/3/2002	11.15	9.19	NP	1.96	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	3/4/2003	11.15	9.31	NP	1.84	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-4	6/18/2003	11.15	7.65	NP	3.50	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	--	--	--	--	--	--
	9/24/2003	11.15	8.26	NP	2.89	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	<500	--	--	--	--	--
	12/2/2003	11.15	9.15	NP	2.00	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	<500	--	--	--	--	--
	3/30/2004	11.15	7.46	NP	3.69	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	6/7/2004	11.15	8.93	NP	2.22	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	9/9/2004	11.15	9.82	NP	1.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	12/20/2004	11.15	8.27	NP	2.88	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	3/28/2005	11.15	6.34	NP	4.81	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	6/14/2005	11.15	8.10	NP	3.05	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<50	--	--	--	--	--
	9/28/2005	11.15	9.59	NP	1.56	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	12/29/2005	11.15	7.13	NP	4.02	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/27/2006	11.15	6.26	NP	4.89	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/12/2006	11.15	8.44	NP	2.71	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	9/21/2006	11.15	9.63	NP	1.52	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	12/21/2006	11.15	8.50	NP	2.65	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	3/28/2007	11.15	8.00	NP	3.15	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	6/27/2007	11.15	8.77	NP	2.38	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	9/26/2007	11.15	9.07	NP	2.08	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	12/27/2007	11.15	8.63	NP	2.52	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/26/2008	11.15	7.86	NP	3.29	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/18/2008	11.15	8.82	NP	2.33	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	9/24/2008	11.15	9.50	NP	1.65	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	12/22/2008	11.15	8.55	NP	2.60	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/26/2009	11.15	7.21	NP	3.94	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	6/23/2009	11.15	8.40	NP	2.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	11.15	9.10	NP	2.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	11.15	8.30	NP	2.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	--	--	--	--	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	12/20/2010	11.15	7.60	NP	3.55	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0
U-5	6/22/1994	6.98	6.82	NP	0.16	210	7.1	13	4.5	26	--	--	--	--	--	--	--	--	--
	9/22/1994	6.98	6.90	NP	0.08	170	8.4	10	8.5	18	--	--	--	--	--	--	--	--	--
	12/24/1994	6.98	6.42	NP	0.56	8700	560	70	670	430	--	--	--	--	--	--	--	--	--
	3/25/1995	6.98	6.34	NP	0.64	44000	390	960	1500	7600	--	--	--	--	--	--	--	--	--
	6/21/1995	6.98	7.11	NP	-0.13	400	2.3	ND	9.1	3.5	--	--	--	--	--	--	--	--	--
	9/19/1995	6.98	6.98	NP	0.00	850	14	7.1	13	66	--	--	--	--	--	--	--	--	--
	12/19/1995	6.98	7.17	NP	-0.19	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	3/18/1996	6.98	6.65	NP	0.33	100	0.67	0.5	0.51	5.4	--	--	--	--	--	--	--	--	--
	6/27/1996	6.98	6.48	NP	0.50	16000	280	150	1400	4600	530	--	--	--	--	--	--	--	--
	9/26/1996	6.98	7.13	NP	-0.15	ND	ND	0.57	ND	0.96	ND	--	--	--	--	--	--	--	--
	12/9/1996	6.98	5.90	NP	1.08	1300	29	46	ND	140	97	--	--	--	--	--	--	--	--
	3/14/1997	6.98	6.98	NP	0.00	ND	ND	ND	ND	ND	14	--	--	--	--	--	--	--	--
	6/30/1997	6.98	7.07	NP	-0.09	4200	74	51	180	980	270	--	--	--	--	--	--	--	--
	9/19/1997	6.98	6.78	NP	0.20	6300	160	13	370	1000	480	--	--	--	--	--	--	--	--
	12/12/1997	6.98	6.94	NP	0.04	60	1.3	ND	1.6	2.1	47	--	--	--	--	--	--	--	--
	3/3/1998	6.98	6.50	NP	0.48	1700	29	ND	150	190	330	--	--	--	--	--	--	--	--
	6/15/1998	6.98	6.84	NP	0.14	1500	32	ND	91	83	330	--	--	--	--	--	--	--	--
	9/30/1998	6.98	7.30	NP	-0.32	1700	44	ND	39	150	60	--	--	--	--	--	--	--	--
	12/28/1998	6.98	7.25	NP	-0.27	1400	59	ND	13	27	150	--	--	--	--	--	--	--	--
	3/22/1999	6.98	6.86	NP	0.12	780	8.9	ND	0.76	4.5	350	--	--	--	--	--	--	--	--
	6/9/1999	6.98	7.28	NP	-0.30	1000	ND	ND	10	35	280	350	--	--	--	--	--	--	--
	9/8/1999	6.98	7.51	NP	-0.53	2620	26.2	ND	32.2	157	280	239	--	--	--	--	--	--	--
	12/7/1999	6.98	7.67	NP	-0.69	949	9.26	ND	11.2	22.7	235	301	--	--	--	--	--	--	--
	3/13/2000	6.98	6.73	NP	0.25	880	12	1.0	5.6	8.7	46	37	--	--	--	--	--	--	--
	6/21/2000	6.98	7.38	NP	-0.40	700	4.0	ND	0.99	4.0	120	140	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-5	9/27/2000	6.98	7.44	NP	-0.46	400	1.9	ND	ND	1.5	160	250	--	--	--	--	--	--	--
	12/12/2000	6.98	7.67	NP	-0.69	770	3.2	ND	ND	ND	27	13	--	--	--	--	--	--	--
	3/7/2001	6.98	6.82	NP	0.16	623	5.15	ND	ND	0.669	35.7	43.4	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	6.98	7.42	NP	-0.44	110	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	9/24/2001	6.98	7.50	NP	-0.52	270	<0.50	<0.50	<0.50	<0.50	40	42	<200	<4000	<10	<10	<10	<10	<10
	12/10/2001	6.98	6.65	NP	0.33	420	13	0.60	0.66	<0.50	<2.5	--	--	--	--	--	--	--	--
	3/11/2002	6.98	7.00	NP	-0.02	260	<0.50	<0.50	<0.50	<0.50	42	47	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0
	6/4/2002	6.98	6.71	NP	0.27	170	<0.50	0.77	0.87	0.69	29	--	--	--	--	--	--	--	--
	9/3/2002	6.98	7.46	NP	-0.48	<50	<0.50	<0.50	<0.50	<0.50	37	53	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0
	12/3/2002	6.98	6.63	NP	0.35	320	<0.50	<0.50	5.7	<1.0	--	11	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0
	3/4/2003	6.98	6.75	NP	0.23	100	<0.50	<0.50	<0.50	<1.0	--	44	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0
	6/18/2003	6.98	6.25	NP	0.73	51	<0.50	<0.50	<0.50	<1.0	--	36	<100	<500	<2.0	<2.0	<2.0	<2.0	<2.0
	9/24/2003	6.98	6.86	NP	0.12	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	--	<500	--	--	--	--	--
	12/2/2003	6.98	7.11	NP	-0.13	<50	<0.50	<0.50	<0.50	<1.0	--	24	--	<500	--	--	--	--	--
	3/30/2004	6.98	6.88	NP	0.10	100	<0.50	<0.50	<0.50	<1.0	--	130	52	<50	<1.0	<0.50	<0.50	<0.50	<0.50
	6/7/2004	6.98	8.52	NP	-1.54	250	<0.50	<0.50	<0.50	<1.0	--	160	69	<50	<1.0	<0.5	<0.5	<0.5	<0.5
	9/9/2004	6.98	12.27	NP	-5.29	340	<0.50	<0.50	<0.50	<1.0	--	260	130	<50	<1.0	<0.50	<0.50	<0.50	<0.50
	12/20/2004	6.98	7.51	NP	-0.53	130	<0.50	<0.50	1.9	2.0	--	120	--	<50	--	--	--	--	--
	3/28/2005	6.98	7.21	NP	-0.23	670	<2.0	<2.0	<2.0	<4.0	--	230	150	<50	<0.50	<0.50	<0.50	<0.50	<0.50
	6/14/2005	6.98	7.46	NP	-0.48	160	<0.50	<0.50	<0.50	<1.0	--	400	160	<100	<0.50	<0.50	<0.50	<0.50	<0.50
	9/28/2005	6.98	9.59	NP	-2.61	460	<0.50	<0.50	<0.50	<1.0	--	370	220	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	12/29/2005	6.98	7.53	NP	-0.55	150	<0.50	<0.50	<0.50	<1.0	--	190	280	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	3/27/2006	6.98	6.28	NP	0.70	450	<0.50	<0.50	8.3	<1.0	--	70	--	<250	--	--	--	--	--
	6/12/2006	6.98	6.44	NP	0.54	370	<0.50	<0.50	<0.50	<1.0	--	61	--	<250	--	--	--	--	--
	9/21/2006	6.98	6.59	NP	0.39	130	<0.50	<0.50	<0.50	<0.50	--	35	--	<250	--	--	--	--	--
	12/21/2006	6.98	6.92	NP	0.06	230	<0.50	<0.50	0.58	<0.50	--	11	--	<250	--	--	--	--	--
	3/28/2007	6.98	5.11	NP	1.87	400	<0.50	<0.50	5.4	<0.50	--	13	870	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	6/27/2007	6.98	4.40	NP	2.58	210	<0.50	<0.50	2.4	<0.50	--	18	220	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	9/26/2007	6.98	4.71	NP	2.27	740	<0.50	<0.50	<0.50	<0.50	--	18	--	<250	--	--	--	--	--
	12/27/2007	6.98	6.76	NP	0.22	180	<0.50	<0.50	<0.50	<1.0	--	18	--	<250	--	--	--	--	--
	3/26/2008	6.98	6.40	NP	0.58	310	<0.50	0.64	1.3	1.0	--	27	--	<250	--	--	--	--	--
	6/18/2008	6.98	5.71	NP	1.27	790	<0.50	<0.50	2.4	<1.0	--	22	--	<250	--	--	--	--	--
	9/24/2008	6.98	5.44	NP	1.54	860	1.2	<0.50	3.2	3.7	--	16	--	<250	--	--	--	--	--
	12/22/2008	6.98	6.82	NP	0.16	620	<0.50	<0.50	0.54	1.3	--	13	--	<250	--	--	--	--	--
	3/26/2009	6.98	6.19	NP	0.79	310	<0.50	<0.50	<0.50	<1.0	--	9.4	--	<250	--	--	--	--	--
	6/23/2009	6.98	5.50	NP	1.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	6.98	6.02	NP	0.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/4/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	6.98	5.51	NP	1.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	6.98	5.71	NP	1.27	144	<0.50	<0.50	<0.50	<1.5	--	3.8	66.6	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	12/20/2010	6.98	5.82	NP	1.16	164	<0.50	<0.50	<0.50	<1.5	--	3.9	67.7	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	6/22/1994	7.14	7.13	NP	0.01	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/22/1994	7.14	7.34	NP	-0.20	130	1.3	0.8	ND	0.73	--	--	--	--	--	--	--	--	--
	12/24/1994	7.14	6.67	NP	0.47	6900	500	59	600	380	--	--	--	--	--	--	--	--	--
	3/25/1995	7.14	6.28	NP	0.86	47000	450	1300	1700	8200	--	--	--	--	--	--	--	--	--
	6/21/1995	7.14	7.59	NP	-0.45	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	9/19/1995	7.14	7.69	NP	-0.55	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	12/19/1995	7.14	7.75	NP	-0.61	210	2.5	1.0	2.9	17	--	--	--	--	--	--	--	--	--
	3/18/1996	7.14	6.86	NP	0.28	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--
	6/27/1996	7.14	6.51	NP	0.63	ND	ND	ND	ND	ND	510	--	--	--	--	--	--	--	--
	9/26/1996	7.14	7.61	NP	-0.47	ND	ND	ND	ND	ND	1400	--	--	--	--	--	--	--	--
	12/9/1996	7.14	5.88	NP	1.26	1200	29	48	6.4	140	58	--	--	--	--	--	--	--	--
	3/14/1997	7.14	7.30	NP	-0.16	ND	ND	ND	ND	ND	1500	--	--	--	--	--	--	--	--
	6/30/1997	7.14	7.34	NP	-0.20	ND	ND	ND	ND	ND	990	--	--	--	--	--	--	--	--
	9/19/1997	7.14	7.25	NP	-0.11	ND	ND	ND	ND	ND	1400	--	--	--	--	--	--	--	--

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)
U-6	12/12/1997	7.14	7.28	NP	-0.14	ND	ND	ND	ND	ND	680	--	--	--	--	--	--	--	--
	3/3/1998	7.14	7.00	NP	0.14	ND	ND	ND	ND	ND	1600	--	--	--	--	--	--	--	--
	6/15/1998	7.14	7.17	NP	-0.03	ND	ND	ND	ND	ND	1000	--	--	--	--	--	--	--	--
	9/30/1998	7.14	7.90	NP	-0.76	ND	ND	ND	ND	ND	1200	--	--	--	--	--	--	--	--
	12/28/1998	7.14	7.78	NP	-0.64	ND	ND	ND	ND	ND	730	--	--	--	--	--	--	--	--
	3/22/1999	7.14	7.46	NP	-0.32	ND	ND	ND	ND	ND	1800	--	--	--	--	--	--	--	--
	6/9/1999	7.14	7.73	NP	-0.59	ND	ND	ND	ND	ND	1000	850	--	--	--	--	--	--	--
	9/8/1999	7.14	7.94	NP	-0.80	ND	ND	ND	ND	ND	851	1040	--	--	--	--	--	--	--
	12/7/1999	7.14	8.10	NP	-0.96	ND	ND	ND	ND	ND	1140	1150	--	--	--	--	--	--	--
	3/13/2000	7.14	6.94	NP	0.20	ND	ND	ND	ND	ND	560	670	--	--	--	--	--	--	--
	6/21/2000	7.14	7.84	NP	-0.70	ND	ND	ND	ND	ND	400	590	--	--	--	--	--	--	--
	9/27/2000	7.14	7.67	NP	-0.53	ND	ND	ND	ND	ND	2500	2800	--	--	--	--	--	--	--
	12/12/2000	7.14	7.73	NP	-0.59	ND	ND	ND	ND	ND	590	580	--	--	--	--	--	--	--
	3/7/2001	7.14	7.26	NP	-0.12	ND	ND	ND	ND	ND	310	321	ND	ND	ND	ND	ND	ND	ND
	6/6/2001	7.14	7.80	NP	-0.66	ND	ND	ND	ND	ND	250	330	ND	ND	ND	ND	ND	ND	ND
	9/24/2001	7.14	7.82	NP	-0.68	<50	<0.50	<0.50	<0.50	<0.50	530	660	<2000	<40000	<100	<100	<100	<100	<100
	12/10/2001	7.14	7.15	NP	-0.01	<50	<0.50	<0.50	<0.50	<0.50	220	220	<200	<400	<5.0	<5.0	<5.0	<5.0	<5.0
	3/11/2002	7.14	7.32	NP	-0.18	<50	<0.50	<0.50	<0.50	<0.50	720	760	<400	<2000	<8.0	<8.0	<8.0	<8.0	<8.0
	6/4/2002	7.14	7.17	NP	-0.03	250	<1.0	<1.0	<1.0	<1.0	470	--	--	--	--	--	--	--	--
	9/3/2002	7.14	7.71	NP	-0.57	420	<2.5	<2.5	<2.5	4.7	860	1200	<2000	<10000	<40	<40	<40	<40	<40
	12/3/2002	7.14	6.92	NP	0.22	<500	<5.0	<5.0	<5.0	<10	--	870	<1000	<5000	<20	<20	<20	<20	<20
	3/4/2003	7.14	7.01	NP	0.13	2300	<10	<10	<10	<20	--	2700	<2000	<10000	<40	<40	<40	<40	<40
	6/18/2003	7.14	6.59	NP	0.55	1300	<10	<10	<10	<20	--	1700	<2000	<10000	<40	<40	<40	<40	<40
	9/24/2003	7.14	7.23	NP	-0.09	<10000	<100	<100	<100	<200	--	1500	<20000	<100000	<400	<400	<400	<400	<400
	12/2/2003	7.14	7.80	NP	-0.66	1300	<10	<10	<10	<20	--	1800	--	<10000	--	--	--	--	--
	3/30/2004	7.14	7.32	NP	-0.18	1200	<10	<10	<10	<20	--	1700	770	<1000	<20	<10	<10	<10	<10
	6/7/2004	7.14	9.35	NP	-2.21	1700	<10	<10	<10	<20	--	1800	110	<1000	<20	<10	<10	<10	<10
	9/9/2004	7.14	12.81	NP	-5.67	<1000	<10	<10	<10	<20	--	1400	1900	<1000	<20	<10	<10	<10	<10
	12/20/2004	7.14	7.96	NP	-0.82	320	<2.5	<2.5	<2.5	<5.0	--	65	5000	<250	<5.0	<2.5	<2.5	<2.5	<2.5
	3/28/2005	7.14	7.07	NP	0.07	<50	<0.50	<0.50	<0.50	<1.0	--	150	990	--	<0.50	<0.50	<0.50	<2.5	<0.50
	6/14/2005	7.14	7.88	NP	-0.74	<100	<1.0	<1.0	<1.0	<2.0	--	20	<5.0	<100	<0.50	<0.50	<0.50	<0.5	<0.5
	9/28/2005	7.14	10.43	NP	-3.29	150	<0.50	<0.50	<0.50	<1.0	--	4.6	3800	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	12/29/2005	7.14	7.63	NP	-0.49	<50	<0.50	<0.50	<0.50	<1.0	--	13	1100	<250	<0.50	<0.50	<0.50	<0.50	<0.50
	3/27/2006	7.14	6.15	NP	0.99	<50	<0.50	<0.50	<0.50	<1.0	--	8.1	--	<250	--	--	--	--	--
	6/12/2006	7.14	6.59	NP	0.55	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	--	<250	--	--	--	--	--
	9/21/2006	7.14	6.90	NP	0.24	<50	<0.50	<0.50	<0.50	<0.50	--	3.1	--	<250	--	--	--	--	--
	12/21/2006	7.14	7.36	NP	-0.22	<50	<0.50	<0.50	<0.50	<0.50	--	1.2	--	<250	--	--	--	--	--
	3/28/2007	7.14	3.48	NP	3.66	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	6/27/2007	7.14	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI	WI
U-6	9/26/2007	7.14	2.71	NP	4.43	54	<0.50	<0.50	<0.50	<0.50	--	<0.50	--	<250	--	--	--	--	--
	12/27/2007	7.14	6.96	NP	0.18	<50	<0.50	<0.50	<0.50	<1.0	--	2.4	--	<250	--	--	--	--	--
	3/26/2008	7.14	6.55	NP	0.59	<50	<0.50	<0.50	<0.50	<1.0	--	2.3	--	<250	--	--	--	--	--
	6/18/2008	7.14	6.71	NP	0.43	<50	<0.50	<0.50	<0.50	<1.0	--	0.59	--	<250	--	--	--	--	--
	9/24/2008	7.14	5.50	NP	1.64	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	12/22/2008	7.14	6.48	NP	0.66	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	--	<250	--	--	--	--	--
	3/26/2009	7.14	6.09	NP	1.05	<250	<2.5	<2.5	<2.5	<5.0	--	<2.5	--	<1200	--	--	--	--	--
	6/23/2009	7.14	4.80	NP	2.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/3/2009	7.14	5.31	NP	1.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/28/2010	7.14	4.77	NP	2.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/30/2010	7.14	4.97	NP	2.17	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	11.4	<250	<0.50	<0.50	<0.50	<1.0	<1.0
	12/20/2010	7.14	4.59	NP	2.55	<50.0	<0.50	<0.50	<0.50	<1.5	--	<0.50	<5.0	<250	<0.50	<0.50	<0.50	<1.0	<1.0

Gauging Notes:
TOC - Top of Casing
ft - Feet
NP - LNAPL not present

Analytical Notes:
< - Not detected at or above indicated laboratory reporting limit
DRY - Well was Dry; sample could not be taken
LPH - Liquid Phase Hydrocarbons

TABLE 2
HISTORICAL GROUNDWATER GAUGING AND ANALYTICAL DATA
76 SERVICE STATION No. 5325
3200 LAKESHORE AVE
OAKLAND, CALIFORNIA

Well I.D.	Date	GROUNDWATER GAUGING DATA				GROUNDWATER ANALYTICAL DATA													
		TOC Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation* (ft)	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (SW8021B) (ug/L)	MTBE (SW8260B) (ug/L)	TBA (ug/L)	Ethanol (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	1,2-Dibromoethane (EDB) (ug/L)	1,2-Dichloroethane (ug/L)

LNAPL - Light non-aqueous phase liquid
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
NG - Not gauged
WI - Well Inaccessable
NSVD - Not surveyed
DRY - Well is dry
-- - No information available
NGV - No guidance value

ND - Not detected, and detection limit is not known
ug/L - micrograms/liter
WI - Well Inaccessable
TPHg- Total petroleum hydrocarbons as gasoline
MTBE- Methyl tertiary-butyl ether
TBA- Tertiary-butyl alcohol
DIPE- Di-isopropyl ether
ETBE- Ethyl tertiary-butyl ether
TAME- Tertiary-amyl methyl ether

TABLE 3
Historical Groundwater Gradient and Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
5325	10/1/1990	0.0200	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	2/1/1991	0.0100	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	5/1/1991	0.0200	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0
	8/1/1991	0.0100	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0
	11/1/1991	0.0100	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	5/1/1992	0.0100	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0
	7/1/1992	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	10/1/1992	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	12/1/1992	0.0150	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0
	4/1/1993	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	10/1/1993	0.0200	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	11/16/1993	0.0100	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0
	2/16/1994	0.0100	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0
	6/22/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/22/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/24/1994	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/25/1995	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/21/1995	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/19/1995	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/19/1995	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/18/1996	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/27/1996	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/26/1996	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/9/1996	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/14/1997	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/30/1997	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/19/1997	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/3/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5325	6/15/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 3
Historical Groundwater Gradient and Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
	9/30/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/28/1998	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/22/1999	0.0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/9/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/8/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/7/1999	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/13/2000	0.0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/21/2000	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/27/2000	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/12/2000	0.0200	0	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/7/2001	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	6/6/2001	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/24/2001	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/10/2001	0.0450	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/11/2002	0.0450	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/4/2002	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/3/2002	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/3/2002	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/4/2003	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/18/2003	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0
	9/24/2003	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/2/2003	0.0250	**1**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/30/2004	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	6/7/2004	0.0447	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
	9/9/2004	0.0500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/20/2004	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/28/2005	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
5325	6/14/2005	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/28/2005	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0

TABLE 3
Historical Groundwater Gradient and Flow Directions
76 Service Station No. 5325
3220 Lakeshore Avenue
Oakland, CA

Site	Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction															
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
	12/29/2005	0.0400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	3/27/2006	0.0250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/12/2006	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	9/21/2006	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/21/2006	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/28/2007	0.0100	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0
	6/27/2007	0.0300	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	9/26/2007	0.0200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	12/27/2007	0.0200	0	0	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0
	3/6/2008	0.0300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**	0
	6/18/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9/24/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/22/2008	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3/26/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/23/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/3/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/28/2009	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6/28/2010	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12/20/2010	Varies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.024 Average	**3**	**1**	**0**	**0**	**0**	**0**	**1**	**2**	**3**	**5**	**3**	**1**	**2**	**1**	**26**	**4**

Explanation
NA = Not available
Number of Events = 52

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.

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.

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

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: **Antea Group**

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: 255325 **Site Address:** 3200 LAKESHORE AVE.

Field Technician: J. PARKER **Date:** 12/20/10 **Weather:** RAINING

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	0900	6.76	13.18	-	-	
	U-2	P	P	P	G	G	N	3	0855	4.21	19.90	-	-	3/3 BOLTS MISSING
	U-3	P	P	P	G	G	N	3	0840	10.37	19.28	-	-	" " "
	U-4	G	G	G	G	G	N	4	0845	7.60	19.38	-	-	
	U-5	G	G	G	G	G	N	4	0850	5.82	19.94	-	-	
	U-6	G	G	G	G	G	N	2	0835	4.59	22.71	-	-	

Notes:

DELTA

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

CO. ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-1	Date:	12/20/10
Depth to Water (DTW) (ft bgs):	6.76	Well Diameter (in):	2 4 6 8 (3")
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	13.18	Water Column Height (ft):	6.42

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): 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 = radius^2 * 0.163

Purge: **Start Time:** 1102 **Stop Time:** 1106

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				—		—		
1103	18.87	6.49	1540	-117.5	210	3.12	1.2	
1104	18.78	6.50	955	-117.4	161	1.40	2.4	
1105	19.04	6.37	940	-122.9	17	1.17	3.6	
1106	19.31	6.37	962	-123.1	14	1.07	4.8	
1405	17.61	6.80	990	-75.6	232	2.16	—	DTW: 6.36
Post-Purge				—		—		

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

Other Comments: 80% @ 8.04 ; DTW: 6.84

Sample Info:

Sample ID: U-1_20101231 Sample Date and Time: 12/20/10 @ 1405

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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

CO. ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-2	Date:	12/20/10
Depth to Water (DTW) (ft bgs):	4.21	Well Diameter (in):	2 4 6 8 (3")
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.90	Water Column Height (ft):	15.69

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): 15.69 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 5.8

Casing Volume (gal): 5.8 X Specified Volumes: 3 = Calculated Purge (gal): 17.4

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

Purge: **Start Time:** 1046 **Stop Time:** 1050

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				—		—		
1048	19.88	6.35	1263	-138.1	816	1.02	2.9	
1050	19.72	6.19	1173	-137.9	55	1.37	5.8	
1325	17.87	6.85	1578	-59.1	163	3.17	—	Fe^{2+}: 4.4
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 8.0

Other Comments: 80% @ 7.35 ; DTW: 12.15

Sample Info:

Sample ID: U-2_20101231 Sample Date and Time: 12/20/10 @ 1325

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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:	12/20/10
Depth to Water (DTW) (ft bgs):	10.37	Well Diameter (in):	2 4 6 8 (3")
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.28	Water Column Height (ft):	8.91

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): 8.91 X Conversion Factor (gal/ft): 0.37 = Casing Volume (gal): 3.3

Casing Volume (gal): 3.3 X Specified Volumes: 3 = Calculated Purge (gal): 9.9

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

Purge: **Start Time:** 0950 **Stop Time:** 0953

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				—		—		
0951	14.80	6.95	881	-36.3	>1000	2.03	1.7	
0952	17.61	7.00	924	-44.0	>1000	1.67	3.4	
0953	18.39	7.03	919	-41.0	610	1.87	5.1	
1120	18.66	7.12	898	-23.2	49	3.18	—	
Post-Purge				—		—		

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

Other Comments: 80% @ 12.15 ; DTW: 10.41

Sample Info:

Sample ID: U-3_20101231 Sample Date and Time: 12/20/10 @ 1120

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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

CO. ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-4	Date:	12/20/10
Depth to Water (DTW) (ft bgs):	7.60	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.38	Water Column Height (ft):	11.78

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): 11.78 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 7.8

Casing Volume (gal): 7.8 X Specified Volumes: 3 = Calculated Purge (gal): 23.4

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

Purge: **Start Time:** 1006 **Stop Time:** 1013

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				—		—		
1008	20.69	7.29	1006	-12.7	22	3.80	3.9	
1010	20.82	7.05	1004	-7.9	11	4.10	7.8	
1011	20.92	6.90	1030	-3.4	10	4.08	11.7	
1012	21.17	6.98	1024	-3.1	9	3.48	15.6	
1230	16.74	6.54	981	30.1	12	4.53	—	Fe^{2+}: 0.04 mg/L
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 17.0

Other Comments: 80% @ 9.96 ; DTW: 13.67

Sample Info:

Sample ID: U-4_20101231 Sample Date and Time: 12/20/10 @ 1230

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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

CO. -ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J.PARKER
Field Point:	U-5	Date:	12/20/10
Depth to Water (DTW) (ft bgs):	5.82	Well Diameter (in):	2 (4) 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	19.94	Water Column Height (ft):	14.12

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): 14.12 X Conversion Factor (gal/ft): 0.66 = Casing Volume (gal): 9.3

Casing Volume (gal): 9.3 X Specified Volumes: 3 = Calculated Purge (gal): 27.9

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

Purge: **Start Time:** 1027 **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				—		—		
1029	19.75	6.89	450	-139.8	45	0.99	4.7	
1030	19.67	6.79	437	-145.7	15	0.99	9.4	
1031	19.77	6.67	611	-140.5	13	0.76	14.1	
1032	20.07	6.64	773	-138.8	35	0.75	18.8	
1034	20.12	6.70	766	-139.3	51	0.71	23.5	
1300	18.16	7.19	1216	11.4	27	2.68	—	
Post-Purge				—		—		

Did Well dewater? (Yes) No Total Purge volume (gal): 25.0

Other Comments: 80% @ 8.64 ; DTW: 7.51 MS/MSD TAKEN

Sample Info:

Sample ID: U-5_20101231 Sample Date and Time: 12/20/10 @ 1300

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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

CO. ELT Groundwater Sampling Form

Site Address:	3200 LAKESHORE AVE.		
Project No:	255325	Field Technician:	J. PARKER
Field Point:	U-6	Date:	12/20/10
Depth to Water (DTW) (ft bgs):	4.59	Well Diameter (in):	(2) 4 6 8 ___
Depth to LNAPL (ft bgs):	—	Thickness of LNAPL (ft):	—
Total Depth of Well (ft bgs):	22.71	Water Column Height (ft):	18.12

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): 18.12 X Conversion Factor (gal/ft): 0.17 = 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:** 0903 **Stop Time:** 0912

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				—		—		
0904	12.31	7.52	850	-126.9	>1000	2.50	1.6	
0906	14.93	7.52	286	-87.6	>1000	2.33	3.2	
0908	15.37	7.29	232	-94.2	>1000	1.50	4.9	
0910	15.93	7.27	235	-114.9	>1000	1.33	6.4	
0911	16.00	7.21	243	-115.4	>1000	1.28	8.0	
0912	16.16	7.19	241	-114.9	>1000	1.23	9.6	
Post-Purge				—		—		

Did Well dewater? Yes (No) Total Purge volume (gal): 9.6

Other Comments: 80% @ 8.21 ; DTW: 8.19

Sample Info:

Sample ID: U-6_20101231 Sample Date and Time: 12/20/10 @ 0925

Selected Analysis: SEE COC

Signature: _____ Date: 12/20/10

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

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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
Cooler # ____ of ____

PACE ANALYTICAL- SEATTLE

4Q10 GW Event

Required Lab Information:

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

Required Project Information:

Site ID #:	255325
Task:	WG_S_201012
Delta project #	
Site Address	3200 LAKESHORE AVE
City	OAKLAND
State	CA 94610
Delta PM Name	Dennis Dettloff
Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385
Delta PM Email:	ddettloff@deltaenv.com

Required Invoice Information:

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

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 353.2/NitrateN	300.0 Sulfate	6010/IronTotal	8260 GC/MS GRO	8260BtexMTBETOxyCA	Acetone (8260)	Chloride 300	Ferrous Fe & Ferric Fe 3500	TKN 351.2	Nitrite 353.2	6010 Metals list*	BOD 5210B & COD 410	2320BAlkalinity	Hg 7470	Comments/Lab Sample I.D.
1	U-1_20101231	WG	G	12/20	1405	12	Y	3	1	2	6					x	x	x	x	x	x	x	x	x	x	x	x	x	*Field Filter for dissolv metals, check with lal
2	U-2_20101231	WG			1325	12	Y	3	1	2	6					x	x	x	x	x	x	x	x	x	x	x	x	x	
3	U-3_20101231	WG			1120	8	N	1		1	6					x	x	x	x	x						x			
4	U-4_20101231	WG			1230	12	Y	3	1	2	6					x	x	x	x	x	x	x	x	x	x	x	x	x	7 OXYs = DIPE, TB TAME, ETBE, 1,2-DC EDB and ethanol
5	U-5_20101231	WG			1300	12	N	1		1	10					x	x	x	x	x						x			
6	U-6_20101231	WG			0925	6	N	1		1	6					x	x	x	x	x						x			
7	TB1_20101231	W			0800	4	N				4								x	x									
8																													
9																													*6010 Metals list: M Ag, As, Ba, Be, Cd, Mo, Ni, Pb, Sb, Se, T and Zn*
10																													
11																													
12																													

Additional Comments/Special Instructions:
U-1 Fe²⁺: 3.6 mg/L
U-2: " 4.4 "
U-4 " 0.0 "

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. Dozier
SIGNATURE of SAMPLER:
DATE Signed: 12/20/10 Time: 1630

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

Inogen Environmental Allian

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
Cooler # ____ of

McCampbell Analytical (bill PACE)

Required Lab Information:

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

Required Project Information:

Site ID #:	255325
Task:	WG_S_201012
Delta project #	
Site Address	3200 LAKESHORE AVE
City	OAKLAND
State	CA 94610
Delta PM Name	Dennis Dettloff
Phone/Fax:	P: 1-800-477-7411 F: 916-638-8385
Delta PM Email:	ddettloff@deltaenv.com

Required Invoice Information:

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

4Q10 GW Event

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

Valid Matrix Codes

MATRIX		MATRIX	
DRINKING WATER	WP	WATER	W
GROUND WATER	WG	SURFACE WATER	WS
WASTE WATER	WW	WATER QC	WQ
FREE PRODUCT	LF	SLUDGE	SL
SOIL	SO		WN
OIL	OIL		OT
	SW		TA
	AA		
	AE		
	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	Bromide 300.1	Bromide 300.1	Methane RSK174	Ammonia 350.1	Carbon Dioxide 415.3	Bacteria Enumeration SM9223	Hexavalent Cr 218.6	Trivalent Cr (Calc)	Total Cr 6010	SM2520BSalinity	Comments/Lab Sample I.D.
1	U-1_20101231	WG	G	12/20	1405	11	Y	2	1	1	2	2+1			2	X	X	X	X	X	X	X	X	X	X	
2	U-2_20101231	WG			1325	11	Y	2	1	1	2	2	1		2	X	X	X	X	X	X	X	X	X	X	
4	U-4_20101231	WG			1230	11	Y	2	1	1	2	2	1		2	X	X	X	X	X	X	X	X	X	X	
5	U-3_20101231	WG			1120	1	N	1																X	
6	U-5_20101231	WG			1300	1	N	1																X	
8	U-6_20101231	WG			0925	1	N	1																X	
9																									
10																									
11																									
12																									

*Field Filter for dissolve metals, check with lab

Hex Cr has short hold 24 hours

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	
	12/20	1615	Dark Cat	12/20/10	1615

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: J. PARKER

SIGNATURE of SAMPLER:

DATE Signed: 12/20/10 Time: 1615

Inogen Environmental Alliance

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME COP @ OAKLAND				PROJECT NUMBER 755325			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 550	09B100198	12/20/10	7/10/4 → 7/10/4 3900 → 3900		YES	11.1	
			100% 250 → 250.0	98.7			

Attachment D

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

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

January 07, 2011

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

RE: Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Dear Dennis Dettloff:
Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 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 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
Dan Keltner, 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

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

CERTIFICATIONS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

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

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

SAMPLE ANALYTE COUNT

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
256095001	**U-1_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 6010	BGA	15	PASI-S
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LPM	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	CMS	1	PASI-S
		EPA 300.0	CMS	2	PASI-S
		EPA 351.2	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		EPA 410.4	KMT	1	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095002	**U-2_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 6010	BGA	15	PASI-S
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LPM	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	CMS	1	PASI-S
		EPA 300.0	CMS	2	PASI-S
		EPA 351.2	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		EPA 410.4	KMT	1	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095003	**U-3_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 5030B/8260	ATH	16	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		EPA 300.0	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095004	**U-4_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 6010	BGA	15	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.: 256095

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	BGA	1	PASI-S
		EPA 5030B/8260	LPM	17	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 3500-Fe B#4	KMT	1	PASI-S
		SM 5210B	CMS	1	PASI-S
		EPA 300.0	CMS	2	PASI-S
		EPA 351.2	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		EPA 410.4	KMT	1	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095005	**U-5_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 5030B/8260	ATH	16	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		EPA 300.0	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095006	**U-6_20101231**	EPA 6010	BGA	1	PASI-S
		EPA 5030B/8260	LPM	16	PASI-S
		CA LUFT	LNH	2	PASI-S
		SM 2320B	KMT	1	PASI-S
		EPA 300.0	CMS	1	PASI-S
		EPA 353.2	CMS	2	PASI-S
		SM 4500-NO2 B	CMS	1	PASI-S
256095007	**TB1_20101231**	EPA 5030B/8260	ATH	16	PASI-S
		CA LUFT	LNH	2	PASI-S

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

ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-1_20101231 **Lab ID: 256095001** Collected: 12/20/10 14:05 Received: 12/21/10 10:15 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	**10600**	ug/L	100	1	12/29/10 13:20	01/03/11 12:43	7439-89-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony, Dissolved	ND	ug/L	60.0	1	12/29/10 13:20	01/05/11 11:25	7440-36-0	
Arsenic, Dissolved	**32.5**	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:25	7440-38-2	
Barium, Dissolved	**237**	ug/L	100	1	12/29/10 13:20	01/05/11 11:25	7440-39-3	
Beryllium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:25	7440-41-7	
Cadmium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:25	7440-43-9	
Cobalt, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:25	7440-48-4	
Lead, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:25	7439-92-1	
Manganese, Dissolved	**3020**	ug/L	15.0	1	12/29/10 13:20	01/05/11 11:25	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:25	7439-98-7	
Nickel, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:25	7440-02-0	
Selenium, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:25	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:25	7440-22-4	
Thallium, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:25	7440-28-0	
Vanadium, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:25	7440-62-2	
Zinc, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:25	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	ND	ug/L	0.20	1	12/23/10 09:14	12/23/10 13:17	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	5.0	1		12/30/10 18:00	67-64-1	
tert-Amylmethyl ether	ND	ug/L	0.50	1		12/30/10 18:00	994-05-8	
Benzene	ND	ug/L	0.50	1		12/30/10 18:00	71-43-2	
tert-Butyl Alcohol	**391**	ug/L	5.0	1		12/30/10 18:00	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/30/10 18:00	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/30/10 18:00	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/30/10 18:00	108-20-3	
Ethanol	ND	ug/L	250	1		12/30/10 18:00	64-17-5	
Ethylbenzene	**29.9**	ug/L	0.50	1		12/30/10 18:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/30/10 18:00	637-92-3	
Methyl-tert-butyl ether	**7.0**	ug/L	0.50	1		12/30/10 18:00	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/30/10 18:00	108-88-3	
Xylene (Total)	**1.8**	ug/L	1.5	1		12/30/10 18:00	1330-20-7	
4-Bromofluorobenzene (S)	114	%	80-120	1		12/30/10 18:00	460-00-4	
Dibromofluoromethane (S)	106	%	80-122	1		12/30/10 18:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	80-124	1		12/30/10 18:00	17060-07-0	
Toluene-d8 (S)	111	%	80-123	1		12/30/10 18:00	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**6280**	ug/L	250	5		12/28/10 17:23		
4-Bromofluorobenzene (S)	87	%	82-116	5		12/28/10 17:23	460-00-4	

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

ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-1_20101231 **Lab ID: 256095001** Collected: 12/20/10 14:05 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**371000**	ug/L	2000	1		12/22/10 15:00		
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	**7000**	ug/L	100	1		01/04/11 00:00	7439-89-6	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	**3600**	ug/L	100	1		12/20/10 14:05		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**16700**	ug/L	2000	1	12/22/10 12:00	12/27/10 16:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**46000**	ug/L	10000	10		01/05/11 01:25	16887-00-6	
Sulfate	ND	ug/L	1000	1		01/05/11 01:25	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**4280**	ug/L	1000	1		12/23/10 14:48	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		01/04/11 17:07		
Nitrogen, NO2 plus NO3	**82.1**	ug/L	50.0	1		01/04/11 17:07		
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**41000**	ug/L	5000	1		01/05/11 14:30		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**111**	ug/L	20.0	2		12/21/10 13:45	14797-65-0	

Sample: U-2_20101231 **Lab ID: 256095002** Collected: 12/20/10 13:25 Received: 12/21/10 10:15 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	**3710**	ug/L	100	1	12/29/10 13:20	01/03/11 12:47	7439-89-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony, Dissolved	ND	ug/L	60.0	1	12/29/10 13:20	01/05/11 11:34	7440-36-0	
Arsenic, Dissolved	**46.4**	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:34	7440-38-2	
Barium, Dissolved	**209**	ug/L	100	1	12/29/10 13:20	01/05/11 11:34	7440-39-3	
Beryllium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:34	7440-41-7	
Cadmium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:34	7440-43-9	
Cobalt, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:34	7440-48-4	
Lead, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:34	7439-92-1	
Manganese, Dissolved	**5740**	ug/L	15.0	1	12/29/10 13:20	01/05/11 11:34	7439-96-5	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-2_20101231 **Lab ID: 256095002** Collected: 12/20/10 13:25 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Molybdenum, Dissolved	**49.5**	ug/L	20.0	1	12/29/10 13:20	01/07/11 10:46	7439-98-7	
Nickel, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:34	7440-02-0	
Selenium, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:34	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:34	7440-22-4	
Thallium, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:34	7440-28-0	
Vanadium, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:34	7440-62-2	
Zinc, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:34	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	ND	ug/L	0.20	1	12/23/10 09:14	12/23/10 13:19	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**13.5**	ug/L	5.0	1		12/30/10 18:21	67-64-1	
tert-Amylmethyl ether	ND	ug/L	0.50	1		12/30/10 18:21	994-05-8	
Benzene	**0.66**	ug/L	0.50	1		12/30/10 18:21	71-43-2	
tert-Butyl Alcohol	**1090**	ug/L	5.0	1		12/30/10 18:21	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/30/10 18:21	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/30/10 18:21	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/30/10 18:21	108-20-3	
Ethanol	ND	ug/L	250	1		12/30/10 18:21	64-17-5	
Ethylbenzene	**28.3**	ug/L	0.50	1		12/30/10 18:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/30/10 18:21	637-92-3	
Methyl-tert-butyl ether	**50.7**	ug/L	0.50	1		12/30/10 18:21	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/30/10 18:21	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/30/10 18:21	1330-20-7	
4-Bromofluorobenzene (S)	114	%	80-120	1		12/30/10 18:21	460-00-4	
Dibromofluoromethane (S)	105	%	80-122	1		12/30/10 18:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	80-124	1		12/30/10 18:21	17060-07-0	
Toluene-d8 (S)	112	%	80-123	1		12/30/10 18:21	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**5510**	ug/L	250	5		12/28/10 17:44		
4-Bromofluorobenzene (S)	90	%	82-116	5		12/28/10 17:44	460-00-4	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**754000**	ug/L	2000	1		12/22/10 15:00		
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	ND	ug/L	100	1		01/04/11 00:00	7439-89-6	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	**4400**	ug/L	100	1		12/20/10 13:25		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	**17300**	ug/L	2000	1	12/22/10 12:00	12/27/10 16:35		

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-2_20101231 **Lab ID: 256095002** Collected: 12/20/10 13:25 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**61400**	ug/L	10000	10		01/05/11 02:56	16887-00-6	
Sulfate	**46500**	ug/L	10000	10		01/05/11 02:56	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**4360**	ug/L	1000	1		12/23/10 14:53	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		01/04/11 17:10		
Nitrogen, NO2 plus NO3	ND	ug/L	50.0	1		01/04/11 17:10		
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**65500**	ug/L	5000	1		01/05/11 14:30		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**29.6**	ug/L	10.0	1		12/21/10 13:45	14797-65-0	

Sample: U-3_20101231 **Lab ID: 256095003** Collected: 12/20/10 11:20 Received: 12/21/10 10:15 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	**812**	ug/L	100	1	12/29/10 13:20	01/03/11 12:50	7439-89-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		12/23/10 20:30	994-05-8	
Benzene	ND	ug/L	0.50	1		12/23/10 20:30	71-43-2	
tert-Butyl Alcohol	ND	ug/L	5.0	1		12/23/10 20:30	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/10 20:30	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/10 20:30	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/23/10 20:30	108-20-3	
Ethanol	ND	ug/L	250	1		12/23/10 20:30	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/23/10 20:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/23/10 20:30	637-92-3	
Methyl-tert-butyl ether	**0.91**	ug/L	0.50	1		12/23/10 20:30	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/23/10 20:30	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/23/10 20:30	1330-20-7	
4-Bromofluorobenzene (S)	92	%	80-120	1		12/23/10 20:30	460-00-4	
Dibromofluoromethane (S)	92	%	80-122	1		12/23/10 20:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	85	%	80-124	1		12/23/10 20:30	17060-07-0	
Toluene-d8 (S)	92	%	80-123	1		12/23/10 20:30	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/28/10 18:04		
4-Bromofluorobenzene (S)	91	%	82-116	1		12/28/10 18:04	460-00-4	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-3_20101231 **Lab ID: 256095003** Collected: 12/20/10 11:20 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**312000**	ug/L	2000	1		12/22/10 15:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**62100**	ug/L	10000	10		01/05/11 03:14	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4770**	ug/L	100	2		01/04/11 17:35		
Nitrogen, NO2 plus NO3	**4780**	ug/L	100	2		01/04/11 17:35		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**13.3**	ug/L	10.0	1		12/21/10 13:45	14797-65-0	

Sample: U-4_20101231 **Lab ID: 256095004** Collected: 12/20/10 12:30 Received: 12/21/10 10:15 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	**118**	ug/L	100	1	12/29/10 13:20	01/03/11 12:53	7439-89-6	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony, Dissolved	ND	ug/L	60.0	1	12/29/10 13:20	01/05/11 11:37	7440-36-0	
Arsenic, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:37	7440-38-2	
Barium, Dissolved	ND	ug/L	100	1	12/29/10 13:20	01/05/11 11:37	7440-39-3	
Beryllium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:37	7440-41-7	
Cadmium, Dissolved	ND	ug/L	5.0	1	12/29/10 13:20	01/05/11 11:37	7440-43-9	
Cobalt, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:37	7440-48-4	
Lead, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:37	7439-92-1	
Manganese, Dissolved	ND	ug/L	15.0	1	12/29/10 13:20	01/05/11 11:37	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:37	7439-98-7	
Nickel, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:37	7440-02-0	
Selenium, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:37	7782-49-2	
Silver, Dissolved	ND	ug/L	10.0	1	12/29/10 13:20	01/05/11 11:37	7440-22-4	
Thallium, Dissolved	ND	ug/L	20.0	1	12/29/10 13:20	01/05/11 11:37	7440-28-0	
Vanadium, Dissolved	ND	ug/L	50.0	1	12/29/10 13:20	01/05/11 11:37	7440-62-2	
Zinc, Dissolved	ND	ug/L	40.0	1	12/29/10 13:20	01/05/11 11:37	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	ND	ug/L	0.20	1	12/23/10 09:14	12/23/10 13:21	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	ND	ug/L	5.0	1		12/30/10 17:39	67-64-1	
tert-Amylmethyl ether	ND	ug/L	0.50	1		12/30/10 17:39	994-05-8	
Benzene	ND	ug/L	0.50	1		12/30/10 17:39	71-43-2	
tert-Butyl Alcohol	ND	ug/L	5.0	1		12/30/10 17:39	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/30/10 17:39	106-93-4	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-4_20101231 **Lab ID: 256095004** Collected: 12/20/10 12:30 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,2-Dichloroethane	ND	ug/L	1.0	1		12/30/10 17:39	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/30/10 17:39	108-20-3	
Ethanol	ND	ug/L	250	1		12/30/10 17:39	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/30/10 17:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/30/10 17:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/30/10 17:39	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/30/10 17:39	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/30/10 17:39	1330-20-7	
4-Bromofluorobenzene (S)	110	%	80-120	1		12/30/10 17:39	460-00-4	
Dibromofluoromethane (S)	106	%	80-122	1		12/30/10 17:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	80-124	1		12/30/10 17:39	17060-07-0	
Toluene-d8 (S)	112	%	80-123	1		12/30/10 17:39	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/28/10 18:24		
4-Bromofluorobenzene (S)	92	%	82-116	1		12/28/10 18:24	460-00-4	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**352000**	ug/L	2000	1		12/22/10 15:00		
Iron, Ferric (Calculation)	Analytical Method: SM 3500-Fe B#4							
Iron, Ferric	**118**	ug/L	100	1		01/04/11 00:00	7439-89-6	
Iron, Ferrous	Analytical Method: SM 3500-Fe B#4							
Iron, Ferrous	ND	ug/L	100	1		12/20/10 12:30		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B							
BOD, 5 day	ND	ug/L	2000	1	12/22/10 12:00	12/27/10 16:35		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**43500**	ug/L	10000	10		01/05/11 03:33	16887-00-6	
Sulfate	**77400**	ug/L	10000	10		01/05/11 03:33	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	ND	ug/L	1000	1		12/23/10 14:54	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**4090**	ug/L	100	2		01/04/11 17:37		
Nitrogen, NO2 plus NO3	**4100**	ug/L	100	2		01/04/11 17:37		
410.4 COD	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**9090**	ug/L	5000	1		01/05/11 14:30		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	ND	ug/L	10.0	1		12/21/10 13:45	14797-65-0	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-5_20101231 **Lab ID: 256095005** Collected: 12/20/10 13:00 Received: 12/21/10 10:15 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	**7160**	ug/L	100	1	12/29/10 13:20	01/03/11 12:56	7439-89-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Amylmethyl ether	ND	ug/L	0.50	1		12/23/10 23:52	994-05-8	
Benzene	ND	ug/L	0.50	1		12/23/10 23:52	71-43-2	
tert-Butyl Alcohol	**67.7**	ug/L	5.0	1		12/23/10 23:52	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/10 23:52	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/10 23:52	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/23/10 23:52	108-20-3	
Ethanol	ND	ug/L	250	1		12/23/10 23:52	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/23/10 23:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/23/10 23:52	637-92-3	
Methyl-tert-butyl ether	**3.9**	ug/L	0.50	1		12/23/10 23:52	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/23/10 23:52	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/23/10 23:52	1330-20-7	
4-Bromofluorobenzene (S)	92	%	80-120	1		12/23/10 23:52	460-00-4	
Dibromofluoromethane (S)	93	%	80-122	1		12/23/10 23:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	87	%	80-124	1		12/23/10 23:52	17060-07-0	
Toluene-d8 (S)	94	%	80-123	1		12/23/10 23:52	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	**164**	ug/L	50.0	1		12/28/10 18:44		
4-Bromofluorobenzene (S)	91	%	82-116	1		12/28/10 18:44	460-00-4	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**319000**	ug/L	2000	1		12/22/10 15:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	5		01/05/11 03:51	14808-79-8	1n
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	ug/L	50.0	1		01/04/11 17:19		
Nitrogen, NO2 plus NO3	ND	ug/L	50.0	1		01/04/11 17:19		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**34.3**	ug/L	10.0	1		12/21/10 13:45	14797-65-0	

Sample: U-6_20101231 **Lab ID: 256095006** Collected: 12/20/10 09:25 Received: 12/21/10 10:15 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	**28500**	ug/L	100	1	12/29/10 13:20	01/03/11 12:59	7439-89-6	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: U-6_20101231 **Lab ID: 256095006** Collected: 12/20/10 09:25 Received: 12/21/10 10:15 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		01/03/11 15:44	994-05-8	
Benzene	ND	ug/L	0.50	1		01/03/11 15:44	71-43-2	
tert-Butyl Alcohol	ND	ug/L	5.0	1		01/03/11 15:44	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/03/11 15:44	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/03/11 15:44	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		01/03/11 15:44	108-20-3	
Ethanol	ND	ug/L	250	1		01/03/11 15:44	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		01/03/11 15:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		01/03/11 15:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/03/11 15:44	1634-04-4	
Toluene	ND	ug/L	0.50	1		01/03/11 15:44	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		01/03/11 15:44	1330-20-7	
4-Bromofluorobenzene (S)	98	%	80-120	1		01/03/11 15:44	460-00-4	
Dibromofluoromethane (S)	96	%	80-122	1		01/03/11 15:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	80-124	1		01/03/11 15:44	17060-07-0	
Toluene-d8 (S)	99	%	80-123	1		01/03/11 15:44	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/28/10 19:04		
4-Bromofluorobenzene (S)	92	%	82-116	1		12/28/10 19:04	460-00-4	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**87800**	ug/L	2000	1		12/22/10 15:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**12400**	ug/L	1000	1		01/05/11 04:09	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	**486**	ug/L	50.0	1		01/04/11 17:20		
Nitrogen, NO2 plus NO3	**520**	ug/L	50.0	1		01/04/11 17:20		
SM4500NO2-B, Nitrite, unpres	Analytical Method: SM 4500-NO2 B							
Nitrite as N	**33.4**	ug/L	10.0	1		12/21/10 13:45	14797-65-0	

Sample: TB1_20101231 **Lab ID: 256095007** Collected: 12/20/10 08:00 Received: 12/21/10 10:15 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		12/23/10 19:29	994-05-8	
Benzene	ND	ug/L	0.50	1		12/23/10 19:29	71-43-2	
tert-Butyl Alcohol	ND	ug/L	5.0	1		12/23/10 19:29	75-65-0	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/23/10 19:29	106-93-4	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/23/10 19:29	107-06-2	
Diisopropyl ether	ND	ug/L	0.50	1		12/23/10 19:29	108-20-3	

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ANALYTICAL RESULTS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Sample: TB1_20101231 **Lab ID: 256095007** Collected: 12/20/10 08:00 Received: 12/21/10 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Ethanol	ND	ug/L	250	1		12/23/10 19:29	64-17-5	
Ethylbenzene	ND	ug/L	0.50	1		12/23/10 19:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	0.50	1		12/23/10 19:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		12/23/10 19:29	1634-04-4	
Toluene	ND	ug/L	0.50	1		12/23/10 19:29	108-88-3	
Xylene (Total)	ND	ug/L	1.5	1		12/23/10 19:29	1330-20-7	
4-Bromofluorobenzene (S)	96	%	80-120	1		12/23/10 19:29	460-00-4	
Dibromofluoromethane (S)	93	%	80-122	1		12/23/10 19:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	82	%	80-124	1		12/23/10 19:29	17060-07-0	
Toluene-d8 (S)	94	%	80-123	1		12/23/10 19:29	2037-26-5	
CA LUFT MSV GRO	Analytical Method: CA LUFT							
TPH-Gasoline (C05-C12)	ND	ug/L	50.0	1		12/28/10 16:03		
4-Bromofluorobenzene (S)	94	%	82-116	1		12/28/10 16:03	460-00-4	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MPRP/1943 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

METHOD BLANK: 53523 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	ND	100	01/03/11 12:16	

LABORATORY CONTROL SAMPLE: 53524

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	4190	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53525 53526

Parameter	Units	256061011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Iron	ug/L	4560	5000	5000	8500	8870	79	86	75-125	4	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MPRP/1942 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 53519 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	ND	60.0	01/05/11 11:19	
Arsenic, Dissolved	ug/L	ND	20.0	01/05/11 11:19	
Barium, Dissolved	ug/L	ND	100	01/05/11 11:19	
Beryllium, Dissolved	ug/L	ND	5.0	01/05/11 11:19	
Cadmium, Dissolved	ug/L	ND	5.0	01/05/11 11:19	
Cobalt, Dissolved	ug/L	ND	50.0	01/05/11 11:19	
Lead, Dissolved	ug/L	ND	10.0	01/05/11 11:19	
Manganese, Dissolved	ug/L	ND	15.0	01/05/11 11:19	
Molybdenum, Dissolved	ug/L	ND	20.0	01/05/11 11:19	
Nickel, Dissolved	ug/L	ND	40.0	01/05/11 11:19	
Selenium, Dissolved	ug/L	ND	10.0	01/05/11 11:19	
Silver, Dissolved	ug/L	ND	10.0	01/05/11 11:19	
Thallium, Dissolved	ug/L	ND	20.0	01/05/11 11:19	
Vanadium, Dissolved	ug/L	ND	50.0	01/05/11 11:19	
Zinc, Dissolved	ug/L	ND	40.0	01/05/11 11:19	

LABORATORY CONTROL SAMPLE: 53520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	250	234	94	80-120	
Arsenic, Dissolved	ug/L	250	237	95	80-120	
Barium, Dissolved	ug/L	250	224	90	80-120	
Beryllium, Dissolved	ug/L	250	236	94	80-120	
Cadmium, Dissolved	ug/L	250	236	94	80-120	
Cobalt, Dissolved	ug/L	250	247	99	80-120	
Lead, Dissolved	ug/L	250	250	100	80-120	
Manganese, Dissolved	ug/L	250	234	93	80-120	
Molybdenum, Dissolved	ug/L	250	255	102	80-120	
Nickel, Dissolved	ug/L	250	253	101	80-120	
Selenium, Dissolved	ug/L	250	230	92	80-120	
Silver, Dissolved	ug/L	125	115	92	80-120	
Thallium, Dissolved	ug/L	250	246	98	80-120	
Vanadium, Dissolved	ug/L	250	239	96	80-120	
Zinc, Dissolved	ug/L	250	240	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53521 53522

Parameter	Units	256095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony, Dissolved	ug/L	ND	250	250	233	234	93	93	75-125	.2	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53521 53522

Parameter	Units	256095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic, Dissolved	ug/L	32.5	250	250	267	266	94	93	75-125	.7	
Barium, Dissolved	ug/L	237	250	250	459	471	89	94	75-125	3	
Beryllium, Dissolved	ug/L	ND	250	250	243	258	97	103	75-125	6	
Cadmium, Dissolved	ug/L	ND	250	250	238	239	95	95	75-125	.3	
Cobalt, Dissolved	ug/L	ND	250	250	239	239	96	95	75-125	.3	
Lead, Dissolved	ug/L	ND	250	250	233	234	93	94	75-125	.4	
Manganese, Dissolved	ug/L	3020	250	250	3120	3320	41	119	75-125	6	M1
Molybdenum, Dissolved	ug/L	ND	250	250	255	257	100	101	75-125	.9	
Nickel, Dissolved	ug/L	ND	250	250	238	236	95	94	75-125	1	
Selenium, Dissolved	ug/L	ND	250	250	232	237	92	94	75-125	2	
Silver, Dissolved	ug/L	ND	125	125	117	121	94	96	75-125	3	
Thallium, Dissolved	ug/L	ND	250	250	230	232	91	92	75-125	.8	
Vanadium, Dissolved	ug/L	ND	250	250	239	257	95	102	75-125	7	
Zinc, Dissolved	ug/L	ND	250	250	241	243	96	96	75-125	.8	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MERP/1350 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 53767 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	12/23/10 13:00	

LABORATORY CONTROL SAMPLE: 53768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53769 53770

Parameter	Units	256166001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury, Dissolved	ug/L	ND	5	5	4.8	4.9	97	97	85-115	.03	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MSV/3654 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 256095003, 256095005, 256095007

METHOD BLANK: 53314 Matrix: Water
Associated Lab Samples: 256095003, 256095005, 256095007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/23/10 19:09	
1,2-Dichloroethane	ug/L	ND	1.0	12/23/10 19:09	
Benzene	ug/L	ND	0.50	12/23/10 19:09	
Diisopropyl ether	ug/L	ND	0.50	12/23/10 19:09	
Ethanol	ug/L	ND	250	12/23/10 19:09	
Ethyl-tert-butyl ether	ug/L	ND	0.50	12/23/10 19:09	
Ethylbenzene	ug/L	ND	0.50	12/23/10 19:09	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/23/10 19:09	
tert-Amylmethyl ether	ug/L	ND	0.50	12/23/10 19:09	
tert-Butyl Alcohol	ug/L	ND	5.0	12/23/10 19:09	
Toluene	ug/L	ND	0.50	12/23/10 19:09	
Xylene (Total)	ug/L	ND	1.5	12/23/10 19:09	
1,2-Dichloroethane-d4 (S)	%	87	80-124	12/23/10 19:09	
4-Bromofluorobenzene (S)	%	93	80-120	12/23/10 19:09	
Dibromofluoromethane (S)	%	93	80-122	12/23/10 19:09	
Toluene-d8 (S)	%	92	80-123	12/23/10 19:09	

LABORATORY CONTROL SAMPLE: 53315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	20.9	104	73-124	
1,2-Dichloroethane	ug/L	20	20.4	102	78-125	
Benzene	ug/L	20	21.2	106	76-127	
Diisopropyl ether	ug/L	20	23.3	117	70-137	
Ethanol	ug/L	400	457	114	31-182	
Ethyl-tert-butyl ether	ug/L	20	21.4	107	70-137	
Ethylbenzene	ug/L	20	21.4	107	72-125	
Methyl-tert-butyl ether	ug/L	20	21.5	107	58-145	
tert-Amylmethyl ether	ug/L	20	21.8	109	71-133	
tert-Butyl Alcohol	ug/L	100	106	106	31-166	
Toluene	ug/L	20	20.8	104	69-125	
Xylene (Total)	ug/L	60	63.7	106	74-124	
1,2-Dichloroethane-d4 (S)	%			88	80-124	
4-Bromofluorobenzene (S)	%			91	80-120	
Dibromofluoromethane (S)	%			96	80-122	
Toluene-d8 (S)	%			91	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53316 53317

Parameter	Units	256096005 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	14.3	15.3	72	77	78-117	7	M1
1,2-Dichloroethane	ug/L	ND	20	20	13.8	15.3	69	77	73-127	11	M1
Benzene	ug/L	ND	20	20	14.4	16.2	72	81	75-124	12	M1
Diisopropyl ether	ug/L	ND	20	20	15.5	17.4	78	87	69-130	11	
Ethanol	ug/L	ND	400	400	375	353	94	88	36-177	6	
Ethyl-tert-butyl ether	ug/L	ND	20	20	14.2	16.0	71	80	67-131	12	
Ethylbenzene	ug/L	ND	20	20	14.4	15.6	72	78	76-124	8	M1
Methyl-tert-butyl ether	ug/L	3.4	20	20	17.8	19.6	72	81	72-130	9	
tert-Amylmethyl ether	ug/L	ND	20	20	14.6	16.5	73	82	67-132	12	
tert-Butyl Alcohol	ug/L	ND	100	100	72.4	79.1	72	79	36-164	9	
Toluene	ug/L	ND	20	20	14.3	15.2	71	76	75-124	6	M1
Xylene (Total)	ug/L	ND	60	60	43.2	46.5	72	78	76-123	7	M1
1,2-Dichloroethane-d4 (S)	%						86	87	80-124		
4-Bromofluorobenzene (S)	%						89	93	80-120		
Dibromofluoromethane (S)	%						92	96	80-122		
Toluene-d8 (S)	%						91	91	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MSV/3665 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 53536 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/30/10 12:50	
1,2-Dichloroethane	ug/L	ND	1.0	12/30/10 12:50	
Acetone	ug/L	ND	5.0	12/30/10 12:50	
Benzene	ug/L	ND	0.50	12/30/10 12:50	
Diisopropyl ether	ug/L	ND	0.50	12/30/10 12:50	
Ethanol	ug/L	ND	250	12/30/10 12:50	
Ethyl-tert-butyl ether	ug/L	ND	0.50	12/30/10 12:50	
Ethylbenzene	ug/L	ND	0.50	12/30/10 12:50	
Methyl-tert-butyl ether	ug/L	ND	0.50	12/30/10 12:50	
tert-Amylmethyl ether	ug/L	ND	0.50	12/30/10 12:50	
tert-Butyl Alcohol	ug/L	ND	5.0	12/30/10 12:50	
Toluene	ug/L	ND	0.50	12/30/10 12:50	
Xylene (Total)	ug/L	ND	1.5	12/30/10 12:50	
1,2-Dichloroethane-d4 (S)	%	101	80-124	12/30/10 12:50	
4-Bromofluorobenzene (S)	%	111	80-120	12/30/10 12:50	
Dibromofluoromethane (S)	%	108	80-122	12/30/10 12:50	
Toluene-d8 (S)	%	109	80-123	12/30/10 12:50	

LABORATORY CONTROL SAMPLE: 53537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	73-124	
1,2-Dichloroethane	ug/L	20	19.6	98	78-125	
Acetone	ug/L	40	31.9	80	30-180	
Benzene	ug/L	20	18.1	91	76-127	
Diisopropyl ether	ug/L	20	19.6	98	70-137	
Ethanol	ug/L	400	486	122	31-182	
Ethyl-tert-butyl ether	ug/L	20	17.1	85	70-137	
Ethylbenzene	ug/L	20	18.0	90	72-125	
Methyl-tert-butyl ether	ug/L	20	18.2	91	58-145	
tert-Amylmethyl ether	ug/L	20	16.8	84	71-133	
tert-Butyl Alcohol	ug/L	100	89.9	90	31-166	
Toluene	ug/L	20	17.4	87	69-125	
Xylene (Total)	ug/L	60	52.3	87	74-124	
1,2-Dichloroethane-d4 (S)	%			99	80-124	
4-Bromofluorobenzene (S)	%			115	80-120	
Dibromofluoromethane (S)	%			106	80-122	
Toluene-d8 (S)	%			112	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53605 53606

Parameter	Units	256135001 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	14.4	19.1	72	95	78-117	28	M1
1,2-Dichloroethane	ug/L	ND	20	20	16.6	20.3	83	101	73-127	20	
Acetone	ug/L	ND	40	40	16.6	25.1	42	63	58-146	41	D6,M1
Benzene	ug/L	ND	20	20	16.4	20.2	82	101	75-124	20	
Diisopropyl ether	ug/L	ND	20	20	16.3	20.3	82	102	69-130	22	
Ethanol	ug/L	ND	400	400	323	340	81	85	36-177	5	
Ethyl-tert-butyl ether	ug/L	ND	20	20	13.5	17.9	67	89	67-131	28	
Ethylbenzene	ug/L	ND	20	20	16.2	19.9	81	99	76-124	20	
Methyl-tert-butyl ether	ug/L	ND	20	20	14.5	18.7	72	94	72-130	25	
tert-Amylmethyl ether	ug/L	ND	20	20	12.9	17.4	65	87	67-132	30	M1
tert-Butyl Alcohol	ug/L	ND	100	100	70.6	87.4	71	87	36-164	21	
Toluene	ug/L	ND	20	20	15.9	19.5	80	98	75-124	20	
Xylene (Total)	ug/L	ND	60	60	46.3	57.6	77	96	76-123	22	
1,2-Dichloroethane-d4 (S)	%						104	103	80-124		
4-Bromofluorobenzene (S)	%						111	112	80-120		
Dibromofluoromethane (S)	%						111	109	80-122		
Toluene-d8 (S)	%						113	113	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MSV/3668
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 256095006

METHOD BLANK: 53640 Matrix: Water
Associated Lab Samples: 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/03/11 14:23	
1,2-Dichloroethane	ug/L	ND	1.0	01/03/11 14:23	
Acetone	ug/L	ND	5.0	01/03/11 14:23	
Benzene	ug/L	ND	0.50	01/03/11 14:23	
Diisopropyl ether	ug/L	ND	0.50	01/03/11 14:23	
Ethanol	ug/L	ND	250	01/03/11 14:23	
Ethyl-tert-butyl ether	ug/L	ND	0.50	01/03/11 14:23	
Ethylbenzene	ug/L	ND	0.50	01/03/11 14:23	
Methyl-tert-butyl ether	ug/L	ND	0.50	01/03/11 14:23	
tert-Amylmethyl ether	ug/L	ND	0.50	01/03/11 14:23	
tert-Butyl Alcohol	ug/L	ND	5.0	01/03/11 14:23	
Toluene	ug/L	ND	0.50	01/03/11 14:23	
Xylene (Total)	ug/L	ND	1.5	01/03/11 14:23	
1,2-Dichloroethane-d4 (S)	%	95	80-124	01/03/11 14:23	
4-Bromofluorobenzene (S)	%	98	80-120	01/03/11 14:23	
Dibromofluoromethane (S)	%	98	80-122	01/03/11 14:23	
Toluene-d8 (S)	%	101	80-123	01/03/11 14:23	

LABORATORY CONTROL SAMPLE: 53641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	20	21.9	109	73-124	
1,2-Dichloroethane	ug/L	20	21.6	108	78-125	
Acetone	ug/L	40	37.7	94	30-180	
Benzene	ug/L	20	20.6	103	76-127	
Diisopropyl ether	ug/L	20	22.5	112	70-137	
Ethanol	ug/L	400	430	107	31-182	
Ethyl-tert-butyl ether	ug/L	20	21.9	110	70-137	
Ethylbenzene	ug/L	20	21.9	109	72-125	
Methyl-tert-butyl ether	ug/L	20	22.3	112	58-145	
tert-Amylmethyl ether	ug/L	20	22.9	114	71-133	
tert-Butyl Alcohol	ug/L	100	120	120	31-166	
Toluene	ug/L	20	20.5	103	69-125	
Xylene (Total)	ug/L	60	64.4	107	74-124	
1,2-Dichloroethane-d4 (S)	%			103	80-124	
4-Bromofluorobenzene (S)	%			94	80-120	
Dibromofluoromethane (S)	%			102	80-122	
Toluene-d8 (S)	%			101	80-123	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53656 53657

Parameter	Units	256095006 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	21.1	20.1	106	101	78-117	5	
1,2-Dichloroethane	ug/L	ND	20	20	21.5	20.5	107	102	73-127	5	
Acetone	ug/L	ND	40	40	26.8	25.8	64	62	58-146	4	
Benzene	ug/L	ND	20	20	21.2	20.3	106	101	75-124	4	
Diisopropyl ether	ug/L	ND	20	20	22.2	21.7	111	109	69-130	2	
Ethanol	ug/L	ND	400	400	529	511	132	128	36-177	3	
Ethyl-tert-butyl ether	ug/L	ND	20	20	22.0	21.2	110	106	67-131	4	
Ethylbenzene	ug/L	ND	20	20	21.5	21.6	108	108	76-124	.5	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.3	21.0	111	105	72-130	6	
tert-Amylmethyl ether	ug/L	ND	20	20	22.7	21.9	114	110	67-132	3	
tert-Butyl Alcohol	ug/L	ND	100	100	132	129	131	129	36-164	2	
Toluene	ug/L	ND	20	20	20.6	20.4	103	102	75-124	1	
Xylene (Total)	ug/L	ND	60	60	63.7	63.3	106	105	76-123	.6	
1,2-Dichloroethane-d4 (S)	%						105	102	80-124		
4-Bromofluorobenzene (S)	%						95	95	80-120		
Dibromofluoromethane (S)	%						102	102	80-122		
Toluene-d8 (S)	%						99	99	80-123		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: MSV/3663 Analysis Method: CA LUFT
QC Batch Method: CA LUFT Analysis Description: CA LUFT MSV GRO
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006, 256095007

METHOD BLANK: 53446 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006, 256095007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	ND	50.0	12/28/10 15:43	
4-Bromofluorobenzene (S)	%	92	82-116	12/28/10 15:43	

LABORATORY CONTROL SAMPLE: 53447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-Gasoline (C05-C12)	ug/L	500	446	89	60-140	
4-Bromofluorobenzene (S)	%			93	82-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53568 53569

Parameter	Units	256095005 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	164	500	500	658	648	99	97	60-140	1	
4-Bromofluorobenzene (S)	%						92	91	82-116		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WET/2485 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

METHOD BLANK: 53085 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	2000	12/22/10 15:00	

LABORATORY CONTROL SAMPLE: 53086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	100000	104000	104	90-110	

SAMPLE DUPLICATE: 53087

Parameter	Units	256092002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	246 mg/L	243000	1	

SAMPLE DUPLICATE: 53088

Parameter	Units	256092014 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	273 mg/L	280000	3	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WET/2481 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 52998 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	ug/L	ND	2000	12/27/10 16:35	

LABORATORY CONTROL SAMPLE: 52999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	ug/L	199000	187000	94	85-115	

SAMPLE DUPLICATE: 53000

Parameter	Units	256095004 Result	Dup Result	RPD	Qualifiers
BOD, 5 day	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WETA/1828 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

METHOD BLANK: 53009 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	1000	01/04/11 18:43	
Sulfate	ug/L	ND	1000	01/04/11 18:43	

LABORATORY CONTROL SAMPLE: 53010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	5000	4690	94	90-110	
Sulfate	ug/L	15000	14800	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53011 53012

Parameter	Units	256092002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	ug/L	498 mg/L	250000	250000	786000	714000	115	87	90-110	10	M1,M2
Sulfate	ug/L	653 mg/L	750000	750000	1490000	1390000	112	99	90-110	7	M1

MATRIX SPIKE SAMPLE: 53013

Parameter	Units	256095001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	46000	50000	97000	102	90-110	
Sulfate	ug/L	ND	15000	15800	102	90-110	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WETA/1826 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 52994 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	ug/L	ND	1000	12/23/10 14:45	

LABORATORY CONTROL SAMPLE: 52995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	ug/L	5000	4870	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 52996 52997

Parameter	Units	256095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	ug/L	4280	5000	5000	8130	8340	77	81	90-110	2	M1

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WETA/1831 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

METHOD BLANK: 53401 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	ND	50.0	01/04/11 16:38	

LABORATORY CONTROL SAMPLE: 53402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	1000	922	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53403 53404

Parameter	Units	256092002 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	5.6 mg/L	1000	1000	5940	6210	30	58	90-110	5	M1

MATRIX SPIKE SAMPLE: 53405

Parameter	Units	256095001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	ug/L	82.1	1000	248	17	90-110	M1

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WETA/1837 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 256095001, 256095002, 256095004

METHOD BLANK: 53685 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	ug/L	ND	5000	01/05/11 14:30	

LABORATORY CONTROL SAMPLE: 53686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	ug/L	42500	43400	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53687 53688

Parameter	Units	256095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	ug/L	41000	50000	50000	92500	91800	103	102	90-110	.7	

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QUALITY CONTROL DATA

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

QC Batch: WETA/1827 Analysis Method: SM 4500-NO2 B
QC Batch Method: SM 4500-NO2 B Analysis Description: SM4500NO2-B, Nitrite, unpres
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

METHOD BLANK: 53004 Matrix: Water
Associated Lab Samples: 256095001, 256095002, 256095003, 256095004, 256095005, 256095006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	ug/L	ND	10.0	12/21/10 13:45	

LABORATORY CONTROL SAMPLE: 53005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	ug/L	50	48.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 53006 53007

Parameter	Units	256092002 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	50.0	49.5	94	93	71-109	1	

MATRIX SPIKE SAMPLE: 53008

Parameter	Units	256095003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	ug/L	13.3	50	58.6	91	71-109	

Pace Analytical Services, Inc.
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QUALIFIERS

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

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

NC - Not Calculable.

SG - Silica Gel Clean-Up

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

BATCH QUALIFIERS

Batch: WET/2483

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

ANALYTE QUALIFIERS

1n	Sample was diluted due to the presence of high levels of non-target analyte.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M2	Matrix spike recovery was below QC limits due to sample dilution. Data acceptance based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
256095001	**U-1_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095002	**U-2_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095003	**U-3_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095004	**U-4_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095005	**U-5_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095006	**U-6_20101231**	EPA 3010	MPRP/1943	EPA 6010	ICP/1852
256095001	**U-1_20101231**	EPA 3010	MPRP/1942	EPA 6010	ICP/1851
256095002	**U-2_20101231**	EPA 3010	MPRP/1942	EPA 6010	ICP/1851
256095004	**U-4_20101231**	EPA 3010	MPRP/1942	EPA 6010	ICP/1851
256095001	**U-1_20101231**	EPA 7470	MERP/1350	EPA 7470	MERC/1364
256095002	**U-2_20101231**	EPA 7470	MERP/1350	EPA 7470	MERC/1364
256095004	**U-4_20101231**	EPA 7470	MERP/1350	EPA 7470	MERC/1364
256095001	**U-1_20101231**	EPA 5030B/8260	MSV/3665		
256095002	**U-2_20101231**	EPA 5030B/8260	MSV/3665		
256095003	**U-3_20101231**	EPA 5030B/8260	MSV/3654		
256095004	**U-4_20101231**	EPA 5030B/8260	MSV/3665		
256095005	**U-5_20101231**	EPA 5030B/8260	MSV/3654		
256095006	**U-6_20101231**	EPA 5030B/8260	MSV/3668		
256095007	**TB1_20101231**	EPA 5030B/8260	MSV/3654		
256095001	**U-1_20101231**	CA LUFT	MSV/3663		
256095002	**U-2_20101231**	CA LUFT	MSV/3663		
256095003	**U-3_20101231**	CA LUFT	MSV/3663		
256095004	**U-4_20101231**	CA LUFT	MSV/3663		
256095005	**U-5_20101231**	CA LUFT	MSV/3663		
256095006	**U-6_20101231**	CA LUFT	MSV/3663		
256095007	**TB1_20101231**	CA LUFT	MSV/3663		
256095001	**U-1_20101231**	SM 2320B	WET/2485		
256095002	**U-2_20101231**	SM 2320B	WET/2485		
256095003	**U-3_20101231**	SM 2320B	WET/2485		
256095004	**U-4_20101231**	SM 2320B	WET/2485		
256095005	**U-5_20101231**	SM 2320B	WET/2485		
256095006	**U-6_20101231**	SM 2320B	WET/2485		
256095001	**U-1_20101231**	SM 3500-Fe B#4	WET/2484		
256095002	**U-2_20101231**	SM 3500-Fe B#4	WET/2484		
256095004	**U-4_20101231**	SM 3500-Fe B#4	WET/2484		
256095001	**U-1_20101231**	SM 3500-Fe B#4	WET/2483		
256095002	**U-2_20101231**	SM 3500-Fe B#4	WET/2483		
256095004	**U-4_20101231**	SM 3500-Fe B#4	WET/2483		
256095001	**U-1_20101231**	SM 5210B	WET/2481	SM 5210B	WET/2493
256095002	**U-2_20101231**	SM 5210B	WET/2481	SM 5210B	WET/2493
256095004	**U-4_20101231**	SM 5210B	WET/2481	SM 5210B	WET/2493
256095001	**U-1_20101231**	EPA 300.0	WETA/1828		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 255325 3200 Lakeshore Dr.
Pace Project No.: 256095

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
256095002	**U-2_20101231**	EPA 300.0	WETA/1828		
256095003	**U-3_20101231**	EPA 300.0	WETA/1828		
256095004	**U-4_20101231**	EPA 300.0	WETA/1828		
256095005	**U-5_20101231**	EPA 300.0	WETA/1828		
256095006	**U-6_20101231**	EPA 300.0	WETA/1828		
256095001	**U-1_20101231**	EPA 351.2	WETA/1826		
256095002	**U-2_20101231**	EPA 351.2	WETA/1826		
256095004	**U-4_20101231**	EPA 351.2	WETA/1826		
256095001	**U-1_20101231**	EPA 353.2	WETA/1831		
256095002	**U-2_20101231**	EPA 353.2	WETA/1831		
256095003	**U-3_20101231**	EPA 353.2	WETA/1831		
256095004	**U-4_20101231**	EPA 353.2	WETA/1831		
256095005	**U-5_20101231**	EPA 353.2	WETA/1831		
256095006	**U-6_20101231**	EPA 353.2	WETA/1831		
256095001	**U-1_20101231**	EPA 410.4	WETA/1837		
256095002	**U-2_20101231**	EPA 410.4	WETA/1837		
256095004	**U-4_20101231**	EPA 410.4	WETA/1837		
256095001	**U-1_20101231**	SM 4500-NO2 B	WETA/1827		
256095002	**U-2_20101231**	SM 4500-NO2 B	WETA/1827		
256095003	**U-3_20101231**	SM 4500-NO2 B	WETA/1827		
256095004	**U-4_20101231**	SM 4500-NO2 B	WETA/1827		
256095005	**U-5_20101231**	SM 4500-NO2 B	WETA/1827		
256095006	**U-6_20101231**	SM 4500-NO2 B	WETA/1827		

McCampbell Analytical, Inc.
"When Quality Counts"

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

Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Reported: 12/27/10
Seattle, WA 98108	Client P.O.:	Date Completed: 12/27/10

WorkOrder: 1012695

December 27, 2010

Dear Regina:

Enclosed within are:

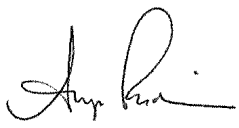
1) The results of the **6** analyzed samples from your project: **#255325; 3200 Lakeshore Ave,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

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.

20101231 255325 WG_S_201012 BO (2)

1012695

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)

4Q10 GW Event

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201012	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; MATRIX — WATER W, SURFACE WATER WS, WATER QC WQ, SLUDGE SL

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	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	SM2520BSalinity		Comments/Lab Sample I.D.
1	U-1_20101231	WG	G	12/20	1405	11	Y	2	1	1	2	2+	1		2	x	x	x	x	x	x	x	x	x	x		*Field Filter for dissolved metals, check with lab*
2	U-2_20101231	WG	↓	↓	1325	11	Y	2	1	1	2	2	1		2	x	x	x	x	x	x	x	x	x	x		
4	U-4_20101231	WG	↓	↓	1230	11	Y	2	1	1	2	2	1		2	x	x	x	x	x	x	x	x	x	x		***Hex Cr has short hold 24 hours***
5	U-3_20101231	WG	↓	↓	1120	1	N	1																	x		
6	U-5_20101231	WG	↓	↓	1300	1	N	1																	x		
8	U-6_20101231	WG	↓	↓	0925	1	N	1																	x		
9																											
10																											
12																											

Additional Comments/Special Instructions:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	12/20	1615	[signature]	12/20/10	1615
[signature]	12/20	1735	[signature]		

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

GLOBAL ID: T0600101463

ICE / t° 3.2
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION VOAS | O & G | METALS | OTHER

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: 12/20/10 Time: 1615

Inogen Environmental Alliance

Final 11/13/06. AMTait

*Sample labeled U-5. Sample confirmed by time. 12/20/10

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1012695 **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; 3200 Lakeshore Ave

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

Requested TAT: 5 days

Date Received: **12/20/2010**
Date Printed: **12/23/2010**

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
1012695-001	U-1_20101231	Water	12/20/2010 14:05	☐	G	A	B	E	D	H	A	C	I	F		
1012695-002	U-2_20101231	Water	12/20/2010 13:25	☐	G	A	B	E	D	H		C	I	F		
1012695-003	U-4_20101231	Water	12/20/2010 12:30	☐	G	A	B	E	D	H		C	I	F		
1012695-004	U-3_20101231	Water	12/20/2010 11:20	☐									A			
1012695-005	U-5_20101231	Water	12/20/2010 13:00	☐									A			
1012695-006	U-6_20101231	Water	12/20/2010 9:25	☐									A			

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	SALINITY_W	10	TCEC-Enum_W
11		12							

Prepared by: Ana Venegas

Comments: Spoke to Regina on 12/23/10 @ 2:15pm re: pos TC - Angela R.

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

Sample Receipt Checklist

Client Name: **Pace Analytical Services, Inc.**
Date and Time Received: **12/20/2010 6:21:02 PM**

Project Name: **#255325; 3200 Lakeshore Ave**
Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **1012695** 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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Telephone: 877-252-9262 Fax: 925-252-9269

Pace Analytical Services, Inc. 940 S. Harney Street Seattle, WA 98108	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
	Client Contact: Regina Ste. Marie	Date Extracted: 12/21/10
	Client P.O.:	Date Analyzed: 12/21/10

Hexachrome by IC*

Analytical Method: E218.6 Work Order: 1012695

Lab ID	Client ID	Matrix	Hexachrome	DF	Comments
1012695-001G	U-1_20101231	W	ND	1	
1012695-002G	U-2_20101231	W	ND	1	
1012695-003G	U-4_20101231	W	3.0	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; # means surrogate diluted out of range or surrogate coelutes with another peak.

%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; 3200 Lakeshore Ave	Date Sampled: 12/20/10
940 S. Harney Street		Date Received: 12/20/10
	Client Contact: Regina Ste. Marie	Date Extracted: 12/21/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 12/21/10

Inorganic Anions by IC*

Extraction method E300.1 Analytical methods E300.1 Work Order: 1012695

Lab ID	Client ID	Matrix	Bromide	DF	% SS	Comments
1012695-001A	U-1_20101231	W	0.52	1	90	
1012695-002A	U-2_20101231	W	1.3	1	---#	
1012695-003A	U-4_20101231	W	0.70	1	90	

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 $NO3^{-}$] = 4.4268 x [Nitrate as N]

means 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; 3200 Lakeshore Ave	Date Sampled: 12/20/10
940 S. Harney Street		Date Received: 12/20/10
	Client Contact: Regina Ste. Marie	Date Extracted: 12/21/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 12/21/10

Disinfection Byproduct*

Extraction method E300.1 Analytical methods E300.1 Work Order: 1012695

Lab ID	Client ID	Matrix	Bromate	DF	% SS	Comments
1012695-001B	U-1_20101231	W	ND	1	N/A	
1012695-002B	U-2_20101231	W	ND	1	N/A	
1012695-003B	U-4_20101231	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.

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

Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 12/21/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 12/21/10

Ammonia as N*

Analytical Method: E350.1 Work Order: 1012695

Lab ID	Client ID	Matrix	Total Ammonia as N	DF	Comments
1012695-001E	U-1_20101231	W	3.7	1	
1012695-002E	U-2_20101231	W	3.1	1	
1012695-003E	U-4_20101231	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

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Angela Rydelius, Lab Manager

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Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 12/22/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 12/22/10

Inorganic Carbon as Carbon Dioxide*

Analytical Method: E415.3 Work Order: 1012695

Lab ID	Client ID	Matrix	IC as CO2	DF	Comments
1012695-001D	U-1_20101231	W	680	5	
1012695-002D	U-2_20101231	W	1100	5	
1012695-003D	U-4_20101231	W	460	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

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Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 12/20/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 12/21/10

Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 1012695

Lab ID	Client ID	Matrix	Extraction Type	Chromium	DF	% SS	Comments
1012695-001H	U-1_20101231	W	TOTAL	0.84	1	103	
1012695-002H	U-2_20101231	W	TOTAL	1.8	1	99	
1012695-003H	U-4_20101231	W	TOTAL	2.1	1	101	

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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Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
940 S. Harney Street		Date Received: 12/20/10
	Client Contact: Regina Ste. Marie	Date Extracted: 12/23/10
Seattle, WA 98108	Client P.O.:	Date Analyzed 12/23/10

Light Gas Hydrocarbons*

Extraction method RSK 174/175 Analytical methods RSK174/175 Work Order: 1012695

Lab ID	Client ID	Matrix	Methane	DF	% SS	Comments
1012695-001C	U-1_20101231	W	4400	50	N/A	
1012695-002C	U-2_20101231	W	1900	20	N/A	
1012695-003C	U-4_20101231	W	1.5	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; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 12/20/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 12/20/10

Salinity*

Analytical Method: SM2520B Work Order: 1012695

Lab ID	Client ID	Matrix	Salinity	DF	Comments
1012695-001I	U-1_20101231	W	469 @ 25.0°C	1	
1012695-002I	U-2_20101231	W	782 @ 25.0°C	1	
1012695-003I	U-4_20101231	W	467 @ 25.0°C	1	
1012695-004A	U-3_20101231	W	454 @ 25.0°C	1	
1012695-005A	U-5_20101231	W	711 @ 25.0°C	1	
1012695-006A	U-6_20101231	W	130 @ 25.0°C	1	

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W	10 mg/L	
	S	NA	

* Salinity (mg/L) = 0.64 * S.C.(µmhos/cm @ 25°C) per SSSA volume 5 part 3.

DF = Dilution Factor

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Pace Analytical Services, Inc.	Client Project ID: #255325; 3200 Lakeshore Ave	Date Sampled: 12/20/10
		Date Received: 12/20/10
940 S. Harney Street	Client Contact: Regina Ste. Marie	Date Extracted: 12/20/10
Seattle, WA 98108	Client P.O.:	Date Analyzed: 12/21/10

Total Coliform / E. Coli, Enumeration

Analytical Method: SM9223B Work Order: 1012695

Lab ID	Client ID	Matrix	Total Coliform	95% Confident Interval	E. Coli	95% Confident Interval	DF	Comments
001F	U-1_20101231	W	>240,000	---	ND	---	1	
002F	U-2_20101231	W	44	30 - 61	ND	---	1	
003F	U-4_20101231	W	56	39 - 78	ND	---	1	

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

DF = Dilution Factor

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QC SUMMARY REPORT FOR E218.6

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55179 WorkOrder 1012695

EPA Method E218.6 **Extraction E218.6** **Spiked Sample ID: 1012674-003f**

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	104	103	0.962	92.2	94.9	2.86	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 55179 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001G	12/20/10 2:05 PM	12/21/10	12/21/10 3:12 PM	1012695-002G	12/20/10 1:25 PM	12/21/10	12/21/10 3:30 AM
1012695-003G	12/20/10 12:30 PM	12/21/10	12/21/10 3:48 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 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.

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QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55187 WorkOrder 1012695

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	92.8	93.7	1.04	N/A	N/A	85 - 115	15
%SS:	N/A	0.10	N/A	N/A	N/A	97	94	3.46	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 55187 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001A	12/20/10 2:05 PM	12/21/10	12/21/10 6:52 AM	1012695-002A	12/20/10 1:25 PM	12/21/10	12/21/10 7:26 AM
1012695-003A	12/20/10 12:30 PM	12/21/10	12/21/10 8:01 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

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55203 WorkOrder 1012695

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	99.7	104	4.00	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 55203 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001B	12/20/10 2:05 PM	12/21/10	12/21/10 5:20 PM	1012695-002B	12/20/10 1:25 PM	12/21/10	12/21/10 6:05 PM
1012695-003B	12/20/10 12:30 PM	12/21/10	12/21/10 6:50 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.

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QC SUMMARY REPORT FOR E350.1

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55205 WorkOrder 1012695

EPA Method E350.1 **Extraction E350.1** **Spiked Sample ID: 1012695-001E**

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
Total Ammonia as N	3.7	4	105	105	0	97.7	99.9	2.16	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 55205 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001E	12/20/10 2:05 PM	12/21/10	12/21/10 1:04 PM	1012695-002E	12/20/10 1:25 PM	12/21/10	12/21/10 1:56 PM
1012695-003E	12/20/10 12:30 PM	12/21/10	12/21/10 2:00 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

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QC SUMMARY REPORT FOR E415.3

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55093 WorkOrder 1012695

EPA Method E415.3 **Extraction E415.3** **Spiked Sample ID: 1012555-001I**

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	210	36.7	113	112	0.174	104	104	0	70 - 130	20	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 55093 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001D	12/20/10 2:05 PM	12/22/10	12/22/10 1:29 PM	1012695-002D	12/20/10 1:25 PM	12/22/10	12/22/10 1:36 PM
1012695-003D	12/20/10 12:30 PM	12/22/10	12/22/10 1:43 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

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55201 WorkOrder 1012695

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 1012657-004A**

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	0.54	10	103	104	0.642	103	104	0.963	70 - 130	20	85 - 115	20
%SS:	103	750	109	108	0.603	102	100	1.36	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 55201 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001H	12/20/10 2:05 PM	12/20/10	12/21/10 7:14 PM	1012695-002H	12/20/10 1:25 PM	12/20/10	12/21/10 7:23 PM
1012695-003H	12/20/10 12:30 PM	12/20/10	12/21/10 7:32 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 RSK174/175

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55204 WorkOrder 1012695

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	96.1	94.9	1.23	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 55204 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001C	12/20/10 2:05 PM	12/23/10	12/23/10 3:56 PM	1012695-002C	12/20/10 1:25 PM	12/23/10	12/23/10 4:08 PM
1012695-003C	12/20/10 12:30 PM	12/23/10	12/23/10 5:21 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

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR WET CHEMISTRY TESTS

Test Method: Salinity **Matrix: W** **WorkOrder: 1012695**

Method Name: SM2520B Units mg/L BatchID: 55194

Lab ID	Sample	DF	Dup / Ser. Dil.	DF	% RPD	Acceptance Criteria (%)
1012695-001I	469 @ 25.0°C	1	470 @ 25.0°C	1	0.382	<2
1012695-002I	782 @ 25.0°C	1	774 @ 25.0°C	1	1.07	<2
1012695-003I	467 @ 25.0°C	1	466 @ 25.0°C	1	0.11	<2
1012695-004A	454 @ 25.0°C	1	453 @ 25.0°C	1	0.311	<2
1012695-005A	711 @ 25.0°C	1	708 @ 25.0°C	1	0.451	<2
1012695-006A	130 @ 25.0°C	1	129 @ 25.0°C	1	0.693	<2

BATCH 55194 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001I	12/20/10 2:05 PM	12/20/10	12/20/10 9:00 PM	1012695-002I	12/20/10 1:25 PM	12/20/10	12/20/10 9:20 PM
1012695-003I	12/20/10 12:30 PM	12/20/10	12/20/10 9:10 PM	1012695-004A	2/20/10 11:20 AM	12/20/10	12/20/10 8:50 PM
1012695-005A	12/20/10 1:00 PM	12/20/10	12/20/10 8:40 PM	1012695-006A	12/20/10 9:25 AM	12/20/10	12/20/10 8:30 PM

Dup = Duplicate; Ser. Dil. = Serial Dilution; MS = Matrix Spike; RD = Relative Difference; RPD = Relative Percent Deviation.

Precision = Absolute Value (Sample - Duplicate)

RPD = 100 * (Sample - Duplicate) / [(Sample + Duplicate) / 2]

%RPD is calculated using results of up to 10 significant figures, however the reported results are rounded to 2 or 3 significant figures. Therefore there may be a slight discrepancy between the %RPD displayed above and %RPD calculated using the reported results. MAI considers %RPD based upon more significant figures to be more accurate.

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 1012695

EPA Method SM9223B	BatchID: 55077
Analyte	Blank
	MPN/100ml
Total Coliform	ND
E Coli	ND

BATCH 55077 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012695-001F	12/20/10 2:05 PM	12/20/10	12/21/10 8:58 PM	1012695-001F	12/20/10 2:05 PM	12/20/10	12/21/10 9:01 PM
1012695-002F	12/20/10 1:25 PM	12/20/10	12/21/10 9:04 PM	1012695-003F	12/20/10 12:30 PM	12/20/10	12/21/10 9:07 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

20101231 255325 WG_S_201012 BO (2)

256095

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

PACE ANALYTICAL- SEATTLE

Required Lab Information:		Required Project Information:		Required Invoice Information:	
Lab Name:	Pace-Seattle	Site ID #: 255325	Task: WG_S_201012	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	

21769 / L3 # 2 (TB), #4 — 4Q10 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: DRINKING WATER WP, GROUND WATER WG, WASTE WATER WW, FREE PRODUCT LF, SOIL SO, OIL OL, WIPE WP, AMBIENT AIR AA, SVE AIR AE, SOIL GAS GS; WATER W, SURFACE WATER WS, WATER QC WQ, SLUDGE SL, RINSEATE WR, OTHER OT, ANIMAL TISSUE TA

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

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

Requested Analyses: (1) 353.2 NitrateN, (2) 300.0 Sulfate, (3) 6010IronTotal, (4) 8260 GC/MS GRO, (5) 8260BtexMTBE7OxyCA, (6) Acetone (8260), (7) Chloride 300, (8) Ferrous Fe & Ferric Fe 3500, (9) TKN 351.2, (10) Nitrite 353.2, (11) *6010 Metals list*, (12) BOD 5210B & COD 410, (13) 2320BAlkalinity, (14) Hg 7470

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	2	3	4	5	6	7	8	9	10	11	12	13	14	Comments/Lab Sample I.D.
1	U-1_20101231	WG	G	12/20	1405	12	Y	3	1	2	6					x	x	x	x	x	x	x	x	x	x	x	x	x	x	*Field Filter for dissolved metals, check with lab*
2	U-2_20101231	WG	↓	↓	1325	12	Y	3	1	2	6					x	x	x	x	x	x	x	x	x	x	x	x	x	x	
3	U-3_20101231	WG			1120	8	N	1		1	6					x	x	x	x	x								x		
4	U-4_20101231	WG			1230	12	Y	3	1	2	6					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_20101231	WG			1300	12	N	1		1	10					x	x	x	x	x								x		
6	U-6_20101231	WG			0925	8	N	1		1	6					x	x	x	x	x								x		
7	TB1_20101231	W	↓	↓	0800	4	N				4								x	x										
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:
U-1 : Fe²⁺ : 3.6 MG/L
U-2 : " 4.4 "
U-4 " 0.0 "

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Carla Weaver PACE	122110	1015

Sample Receipt Conditions			
Temp in °C	Samples on Ice?	Sample intact?	Trip Blank?
1.1°C	(Y)/N	(Y)/N	(Y)/N
3.7°C	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 (circled) US MAIL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: J. PARKER
SIGNATURE of SAMPLER: [signature]
DATE Signed: 12/20/10 Time: 1630

Inogen Environmental Alliance

Final 11/13/06. AMTait

20101231 255325 WG_S_201012 BO (2)

101295

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)

4Q10 GW Event

Required Lab Information		Required Project Information		Required Invoice Information	
Lab Name	Pace Seattle	Site ID #	255325 Task WG_S_201012	Send invoice to	David Cowie
Address		Delta project #		Address	11050 White Rock Road Suite 110
940 S. Harney Street Seattle WA 98108		Site Address	3220 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? Mark one
Phone/Fax	P: 206-957-2433 F: 206-767-5063	Delta PM Name	Dennis Dettloff	Send EDD to	copeedata@intelligentenv.com
Lab PM email	Regina.SteMarie@pacelabs.com	Phone/Fax	P: 1-800-477-7411 F: 916-638-8385	CC Hardcopy report to	
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)	

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	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Comments/Lab Sample I.D.
1	U-1_20101231	WG	G	12/20	1405	11	Y	2	1	1	2	2	1		2	x	x	x	x	x	x	x	x	x	x	*Field Filter for dissolved metals, check with lab*
2	U-2_20101231	WG	↓	↓	1325	11	Y	2	1	1	2	2	1		2	x	x	x	x	x	x	x	x	x	x	
4	U-4_20101231	WG	↓	↓	1230	11	Y	2	1	1	2	2	1		2	x	x	x	x	x	x	x	x	x	x	***Hex Cr has short hold 24 hours***
5	U-3_20101231	WG	↓	↓	1120	1	N	1																	x	
6	U-5_20101231	WG	↓	↓	1300	1	N	1																	x	
8	U-6_20101231	WG	↓	↓	0945	1	N	1																	x	
9																										
10																										
12																										

Additional Comments/Special Instructions:

GLOBAL ID: T0600101463

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	12/20	1635	[signature]	12/20	1635
[signature]	12/20	1735	[signature]		

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: J PARKER; SIGNATURE of SAMPLER: [signature]; Date Signed: 12/20/10; Time: 1635

ICE / t° ___
GOOD CONDITION ___ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O&G | METALS | OTHER

Xinogen

Final 11/13/06 AMTait

Sample labeled U-5 sample confirmed by time 12/20/10

Sample Container Count

256095

CLIENT: Delta

COC PAGE 1 of 1

COC ID# _____

Sample Line Item	VG9H	AG1H	AG1U	BG1H	BP1U	BP2U	BP3U	BP2N	BP2S	WGFU	WGKU	BP3U			Comments
1	6				1	1		2 -2	1 -2			1			
2	↓				1	↓		2 -2	↓			↓			
3	↓					↓		1 -2	↓			↓			
4	↓				1	↓		2 -2	↓			↓			
5	10					↓		1 -2	↓			↓			
6	6					↓		1 -2	↓			↓			
7	4														
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		I	Wipe/Swab		

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta Project # 256095

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

Tracking #: 8697 3354 9960 & 8697 3354 9950

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____ Temp. Blank Yes / No

Thermometer Used: 132013 or 101731962 or 226099 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.1c, 3.7c Biological Tissue is Frozen: Yes No

Temp should be above freezing ≤ 6°C

Date and Initials of person examining contents: 12/09/22/10 CM

Comments:

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: WT			
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			
Samples checked for dechlorination:	☐Yes	☐No	☑N/A
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A
Trip Blanks 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. Nitrate, Nitrite, BOD, Ferrous Iron → ferrous iron initial RSM
7.
8.
9.
10.
11.
12.
13.

Initial when completed	Lot # of added preservative

14.
15.
16.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RSM Date: 12/22/10

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 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. 255325-1210

2. Page 1 of 1

3. Generator's Name and Mailing Address
Platinum Energy
Shane Nolan
30343 Canwood St, Suite 200
Agoura Hills, CA 91301

4. Generator's Phone (818) 206-5795

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
700 Seaport Blvd.
Redwood City, CA 94063

10. US EPA ID Number
CAD009135572

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~~ Waste liquid mw4 1/19/11	1	TT	80	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Wear protective equipment while handling
Weights and volumes are approximate
24 hr emergency phone number (310) 885-4455

Approval number 500-1049
Direct bill to Blaine Tech Services
Blaine Tech PO #: MN01.2011-151

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.

(Delta Consultants)

Printed/Typed Name	Signature	Date (Month / Day / Year)
Tara L Bosch on behalf of Platinum Energy	Tara Bosch	11 / 22 / 10

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
J. PACKER		12 / 20 / 10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

19. Discrepancy Indication Space

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

Printed/Typed Name	Signature	Date (Month / Day / Year)
Joaquin R Amaro		01 / 20 / 11

NON-HAZARDOUS WASTE — GENERATOR — TRANSPORTER — FACILITY