Ms. Barbara Jakub
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject:
Groundwater Monitoring Report
UPS Oakland Hub
8400 Pardee Drive, Oakland, CA 94621
Global ID T0600100939
State ID # 583
EPA ID # CAD 09707509

Dear Ms. Jakub:

Attached please find the Groundwater Monitoring Report for the above-referenced site. The report, which was prepared for United Parcel Service (UPS) by ARCADIS U.S., Inc. (ARCADIS), the first semi-annual groundwater monitoring event that was performed at the subject site on February 29, 2012.

I declare under penalty of perjury, that the information and/or recommendations contained in the attached Groundwater Monitoring and Injection Report are true and correct.

Please feel free to contact me directly at 404.828.8991 should you have any questions or comments.

Sincerely,

United Parcel Service

Paul Harper
Remediation and Assessment Manager

ARCADIS US, INC.
1000 Cobb Place Boulevard
Northwest, Suite 500 A
Kennesaw, Georgia 30144
Tel 770.428.9009
Fax 770.428.4004
www.arcadis-us.com

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8400 Pardee Drive, Oakland, CA 94621
Global ID # T0600100939
State ID # 583
EPA ID # CAD 09707509

ENVIRONMENT

Date:
May 15, 2012

Contact:
Hugh Devery

Phone:
404.952.1604

Email:
Hugh.Devery@arcadis-us.com

Our ref:
B0038398.0005

Dear Ms. Jakub:

On behalf of United Parcel Service (UPS), ARCADIS U.S., Inc. (ARCADIS) is pleased to submit this Groundwater Monitoring Report, which documents the first semi-annual 2012 groundwater monitoring event at the UPS Oakland Hub, located at 8400 Pardee Drive, Oakland, Alameda County, California (**Figures 1**, **2**, and **3**).

BACKGROUND

A review of historical aerial photographs from 1937 to present indicated the property that UPS leases from the Port of Oakland was originally a tidal marsh until 1968. The site was backfilled and graded in 1968; however, no structures were observed on the property until 1975, when the current UPS facility was constructed. The southern fueling area (current release area), was visible in the photographs in 1985.

The site includes an office building and a parking lot. As indicated above, the property is owned by the Port of Oakland and is leased by UPS. The area around the site is characterized by medium to heavy industrial use and includes the nearby Oakland International Airport.

The site was a tidal marsh prior to 1968 when it was raised above sea level with suspect imported fill material. Artificial historic fill has been documented on both the northern and southern fueling areas, at depths ranging from 2 to 10 feet in thickness. Currently it is approximately 10 feet above sea level and is located on a narrow peninsula south of San Leandro Bay.

During an upgrade to the product dispensing systems at the UPS-Oakland Hub in September 1989, hydrocarbon odors were detected at the gasoline (northern fuel area) and diesel (southern fuel area) fuel dispensing systems to the north of the facility and six soil samples and two water samples were collected from that area. The release at the northern fuel dispensing system has since been closed.

In January 1990, Alameda County Health Care Services Agency (ADCEH) requested a work plan for initial soil and groundwater assessment for the southern fuel area which was submitted to the agency in March 1990.

In June 1990, a limited Site Assessment was performed on the southern fuel dispensing facility. Five monitoring wells and three soil borings were installed on the site in August 1990. Phase separated hydrocarbons (PSH) removal continued monthly, along with semi-annual groundwater sampling from the mid-1990's into 2009, until the southern fueling area USTs were removed.

Enhanced fluid recovery, preferential pathway study, well search, and a soil and groundwater sampling event occurred in 2010. The Summary *of Soil and Groundwater Investigation Activities* report dated February 15, 2011 was submitted to ADCEH and is currently under review.

ARCADIS submitted a CAP in January 2012 to reduce residual soil and groundwater impacts from the operation, in this immediate area of the former diesel USTs, to concentrations that would be deemed protective to both humans and the environment, as specified in the draft petroleum low threat-closure policy. As such, a risk assessment report will also be submitted to ACEH once State Regional Water Quality Board's Draft Petroleum Low - Threat Closure Policy concentrations have been met in order to verify protection to humans and the environment. ARCADIS is currently addressing the comments listed in the March 28, 2012 letter from the ACDEH.

GROUNDWATER MONITORING

Groundwater samples were collected from groundwater monitoring wells MW-2, MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, and OW-1 on February 29, 2012. Water levels were measured prior to purging and sampling the wells. Purge water was monitored to document stabilization of pH, temperature, turbidity, and conductivity parameters (**Appendix A**). Purge water was contained in DOT-approved drums for later disposal. Disposal manifests are included in **Appendix B**.

Water Levels

The depth to water (DTW) in each well was gauged on February 29, 2012, prior to purging and the collection of the groundwater samples. The groundwater elevations during the February 2012 monitoring event ranged from 1.36 feet above mean sea level (ft-amsl) in monitoring well MW-10 to 8.65 ft-amsl in monitoring well MW-9.

Historical groundwater gauging and elevation data is presented in **Table 1**. A groundwater elevation map was prepared using the February 29, 2012 groundwater elevation data, and is presented as **Figure 4**. The apparent direction of groundwater flow was generally to the south-southeast on February 29, 2012 which is consistent with historical groundwater flow.

The SOS® Passive Skimmers were installed in observation well OW-1, and monitoring wells MW-2 and MW-3 in April 2011. The monthly skimmer PSH recovery data collected from June 2011 to February 2012 is presented in **Table 2** which also includes the historical records of PSH thickness and volume recovered since 1990. The specifications for the SOS® Passive Skimmers are presented in **Appendix C**. During the February 15, 2012 monthly skimmer PSH recovery event, 20 ounces were removed from OW-1, 20 ounces were removed from monitoring well MW-2, and 20 ounces were removed from monitoring well MW-3. Eighteen to 20 ounces have been removed since December 2011 in monitoring wells MW-2 and MW-3 and 1 to 20 ounces have been removed from monitoring well OW-1. The skimmers are working well and PSH recovery has been conducted on a consistent basis. As of February 29, 2012, approximately 723.67 ounces or 5.5 gallons of PSH have been removed from the site. Approximately 2.3 total gallons were removed prior to installation of the skimmers and 3.2 total gallons have been removed since the skimmers have been installed.

GROUNDWATER QUALITY

Groundwater samples collected from monitoring wells MW-2, MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, and OW-1 on February 29, 2012 were analyzed for total petroleum hydrocarbons-diesel range organics (TPH-DRO) by United States Environmental Protection Agency (EPA) Method 8015B. The samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and TPH-gasoline range organics (TPH-GRO) by EPA Method 8260B/CA LUFT. Analyses were conducted by TestAmerica Laboratories, Inc. (TestAmerica) in Pleasanton, California which is certified by the California Department of Health Services (CADHS) for environmental analyses. Historical groundwater analytical data is presented in **Table 3**. A groundwater quality map is

presented as **Figure 5**. Laboratory analytical results and chain of custody documentation for the February 2012 sampling event are attached in **Appendix D**. ACEH issued a letter dated March 10, 2009, that stated UPS could discontinue analysis for BTEX and MTBE in their next semi-annual monitoring event but perform a one-time sample event for the lead scavengers ethylene dibromide (EDB) and ethylene dichloride (EDC). They also requested that naphthalene analysis be performed in areas of concern that formerly utilized diesel. They also requested the analysis of total dissolved solids on a one-time basis. ARCADIS completed the sampling per the 2009 letter. Results are presented in **Table 3**.

BTEX and MTBE were not detected at or above their respective San Francisco Bay Region environmental screening levels (ESLs) in monitoring wells MW-2, MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, or OW-1 during this groundwater monitoring event.

TPH-GRO was detected above the ESL (100 µg/L) for drinking water in monitoring well MW-2 (510 µg/L), MW-3 (520 µg/L), MW-4 (150 µg/L) and OW-1 (1,200 µg/L) The ESL for non-drinking water (210 µg/L) was exceeded only in monitoring wells MW-2, MW-3 and OW-1.

TPH-DRO was detected above the odor and taste threshold per the California Regional Water Quality Control Board regulations (100 micrograms per liter (µg/L)) and ESLs (100 µg/L for drinking water and 210 µg/L for non-drinking water) in monitoring wells MW-2 (13,000 µg/L) MW-3 (13,000 µg/L), MW-4 (12,000 µg/L), MW-11 (1,200 µg/L), and OW-1 (27,000 µg/L). In MW-8 (120 µg/L), MW-9 (160 µg/L), MW-10 (170 µg/L), only the drinking water ESL (100 µg/L) was exceeded at a concentration; however, they were below the non-drinking water ESL.

PURGE WATER HANDLING

The purge water generated during the February 2012 groundwater sampling activities is currently drummed on site and is awaiting disposal. The manifests are presented in **Appendix D**. The groundwater from this event was passed through the Granulated Activated Carbon (GAC) bucket prior to being placed in a 55-gallon drum.

SUMMARY

- The groundwater elevations during the February 2012 monitoring event ranged from 1.36 feet above mean sea level (ft-amsl) in monitoring well MW-10 to 8.65 ft-amsl in monitoring well MW-9.

- Groundwater elevations indicated that the apparent groundwater flow direction was generally to the south-southeast on February 29, 2012.
- BTEX and MTBE were not detected above their respective ESLs in the sampled monitoring wells during this monitoring event.
- TPH-GRO was detected above the drinking water ESL in monitoring wells MW-2, MW-3, MW-4, and OW-1.
- TPH-DRO was detected above the drinking water ESL in monitoring wells MW-2, MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, and OW-1.

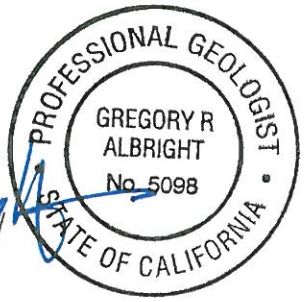
RECOMMENDATIONS

ARCADIS recommends continued recovery of PSH and semi-annual groundwater sampling at this time. However, we recommend continuing to only analyze the following parameters: TPH-DRO and TPH-GRO as these are the only parameters that currently and historically have exceeded past cleanup criteria and existing ESLs. This request is aligned with the State Water Resources Control Board's (State Water Board) cost reduction efforts and the ACEH 2009 correspondence.

If you have any questions regarding this report, please do not hesitate to contact me at 404.952.1604. Please send correspondence regarding this report to Mr. Paul Harper of UPS at the address provided below. Please copy ARCADIS on any such correspondence.

Sincerely,

ARCADIS



Gregory R. Albright, P.G.
Principal Geologist
California P.G. No. 5098

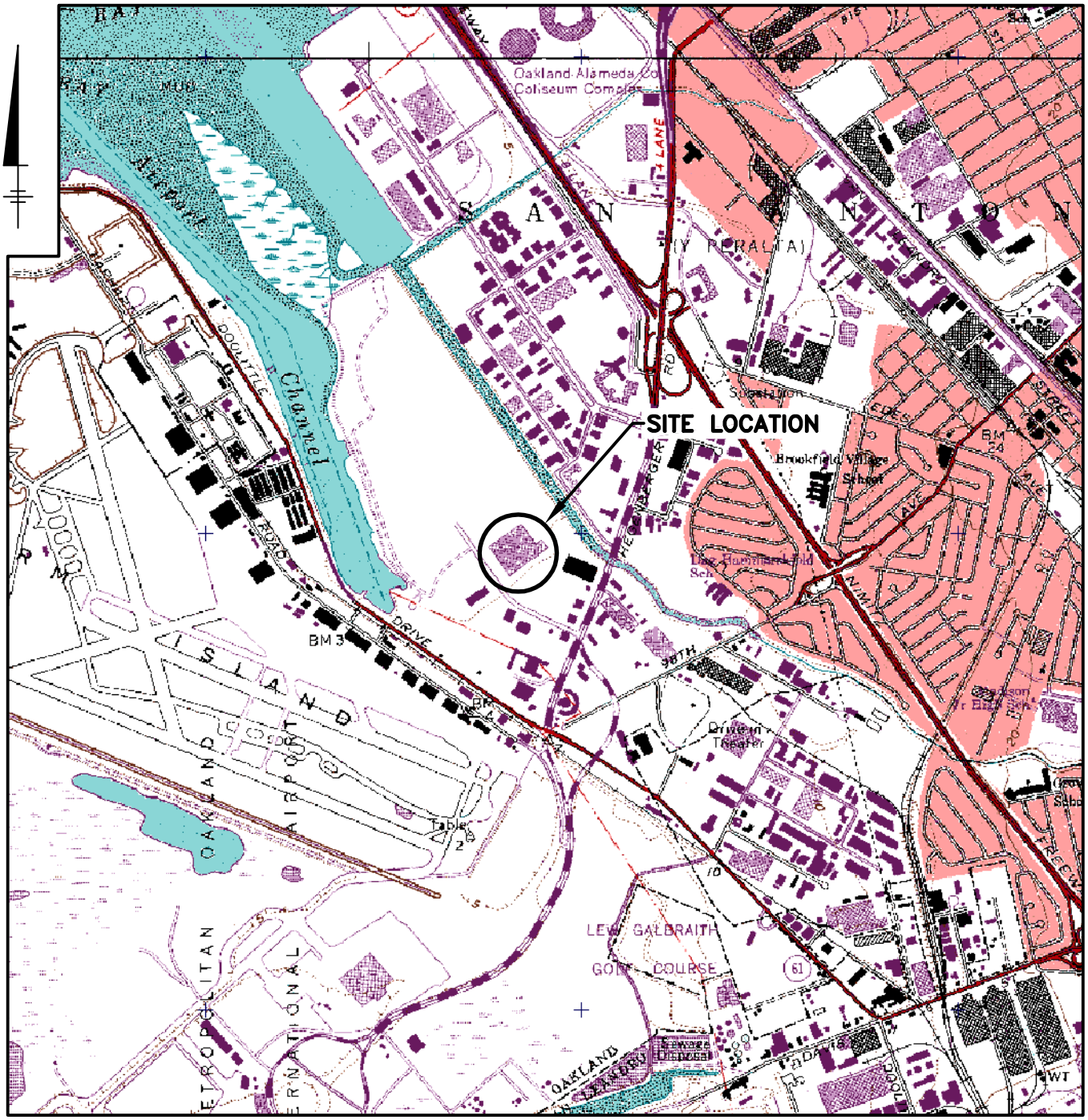
Hugh Devery
Senior Geologist

Copies:
Paul Harper – UPS Corporate Plant Engineering; 55 Glenlake Parkway NE, Atlanta, GA 30328
Douglas Herman, Port of Oakland; 530 Water Street, Oakland, CA 94607
File

ARCADIS

Figures

UPS – Oakland Hub



NOTES:

1. Base Map Source: USGS 7.5 Min. Topo. Quad., San Leandra, Calif.(1993)
2. Property Location is Approximate Only.

0 2000' 4000'

APPROXIMATE SCALE: 1"=2000'

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA

SITE LOCATION MAP

ARCADIS

FIGURE
1

AREA OF CONCERN

0 200' 400'

GRAPHIC SCALE

SOURCE: AERIAL PHOTOGRAPH PROVIDED BY GOOGLE EARTH PRO.

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA

FACILITY LAYOUT MAP

ARCADIS

FIGURE
2

CITY:TAMPA DIV/GROUP:ENV-141 DB:JAR LD:(Opt) PIC:(Opt) PM:(Regd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\TAMPA\ACTIVE\00038398 UPS Oakland\0011.00100\1st Quarter 2012 GMR\B0038398B01.dwg LAYOUT: 2SAVED: 4/23/2012 10:12 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/23/2012 10:13 AM BY: RICHARDS, JIM
XREFS: IMAGES: PROJECTNAME: ---
AREA MAP.jpg
UPSOakland.jpg

LEGEND:

- MONITORING WELL
- TEMPORARY VACUUM TEST WELL
- ABANDONED MONITORING WELL
- SOIL BORING LOCATION (2010)
- PROPERTY BOUNDARY
- E — UNDERGROUND ELECTRICAL LINE
- S — STORM WATER/SEWER LINE
- W — WATER/FIRE SERVICE/IRRIGATION
- UG — ELECTRIC/WATER LINE
- CATCH BASIN/STORM DRAIN
- LIGHT POST/ POWER POLE

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA

SITE MAP

ARCADIS

FIGURE
3

MONITORING WELL LOCATION

ABANDONED MONITORING WELL

PROPERTY BOUNDARY

E — UNDERGROUND ELECTRICAL LINE

S — STORM WATER/SEWER LINE

W — WATER/FIRE SERVICE/IRRIGATION

UG — ELECTRIC/WATER LINE

CATCH BASIN/STORM DRAIN

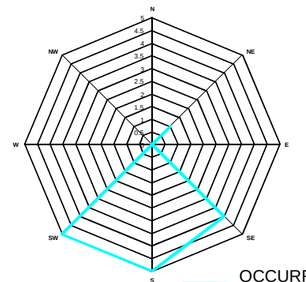
LIGHT POST/ POWER POLE

(5.75) GROUNDWATER ELEVATION (FEET)

5.00 GROUNDWATER ELEVATION CONTOUR
CONTOUR INTERVAL = 1.00 FOOT

APPARENT DIRECTION OF GROUNDWATER FLOW

GROUNDWATER FLOW DIRECTION
ROSE DIAGRAM



0 50' 100'
GRAPHIC SCALE

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA

GROUNDWATER CONTOUR MAP
FEBRUARY 29, 2012

ARCADIS

FIGURE
4

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\TAMPA\ACTIB0\38398 UPS Oakland\0011.00100\1st Quarter 2012 GMR\B0038398W01.dwg LAYOUT: 4SAVED: 5/2/2012 2:39 PM BY: RICHARDS, JIM
XREFS: IMAGES: PROJECTNAME: ---
UPSOakland.jpg
ACADVER: 18.1S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/2/2012 2:39 PM BY: RICHARDS, JIM

MW-4	
DATE	2/29/2012
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	**150**
TPHD	**12,000**

MW-9	
DATE	2/29/2012
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	**160**

MW-2	
DATE	2/29/2012
B	<0.50
T	0.52
E	<0.50
X	1.7
M	<0.50
TPHG	**510**
TPHD	**13,000**

MW-10	
DATE	2/29/2012
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	**170**

MW-11	
DATE	2/29/2012
B	0.53
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	**1,200**

MW-8	
DATE	2/29/2012
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	**120**

MW-3	
DATE	2/29/2012
B	<0.50
T	<0.50
E	<0.50
X	1.3
M	<0.50
TPHG	**520**
TPHD	**13,000**

OW-1	
DATE	2/29/2012
B	<5.0
T	<5.0
E	<5.0
X	<10.0
M	<5.0
TPHG	**1,200**
TPHD	**27,000**

LEGEND:

- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL
- SOIL BORING LOCATION (2010)
- PROPERTY BOUNDARY
- E — UNDERGROUND ELECTRICAL LINE
- S — STORM WATER/SEWER LINE
- W — WATER/FIRE SERVICE/IRRIGATION
- UG — ELECTRIC/WATER LINE
- CATCH BASIN/STORM DRAIN
- LIGHT POST/ POWER POLE

SAMPLE LOCATION	
DATE	SAMPLE DATE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER
TPHG	TPH GASOLINE
TPHD	TPH DIESEL

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

0 50' 100'

GRAPHIC SCALE

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA

GROUNDWATER QUALITY MAP
FEBRUARY 29, 2012

ARCADIS

FIGURE
5

ARCADIS

Tables

UPS – Oakland Hub

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-1	7.43	8/28/1990	3.80	3.63	--	0.00	NR
		9/20/1990	3.99	3.44	-0.19	0.00	NR
		6/19/1991	3.47	3.96	0.52	NM	NR
		7/23/1991	3.70	3.73	-0.23	NM	NR
		8/26/1991	3.92	3.51	-0.22	NM	NR
		11/18/1991	4.21	3.22	-0.29	NM	NR
		2/3/1992	3.99	3.44	0.22	NM	NR
		6/29/1992	3.38	4.05	0.61	NM	NR
		6/23/1993	2.72	4.71	0.66	NM	NR
		10/11/1993	3.87	3.56	-1.15	NM	NR
		1/4/1994	3.34	4.09	0.53	NM	NR
		5/10/1994	2.14	5.29	1.20	NM	NR
		2/1/1995	1.84	5.59	0.30	NM	NR
		8/2/1995	3.10	4.33	-1.26	NM	NR
		10/16/1995	3.75	3.68	-0.65	NM	NR
		12/28/1995	3.56	3.87	0.19	NM	NR
		6/4/1997	3.16	4.27	0.40	0.00	NR
		9/30/1999	3.75	3.68	-0.59	0.00	NR
		10/11/2000	3.88	3.55	-0.13	0.00	NR
		9/3/2002	3.73	3.70	0.15	0.00	NR
		10/22/2002	5.11	2.32	-1.38	0.05	NR
		12/23/2002	3.51	3.92	1.60	0.00	NR
		3/28/2003	3.52	3.91	-0.01	0.00	NR
		5/30/2003	3.37	4.06	0.15	0.00	NR
		6/20/2003	3.50	3.93	-0.13	0.00	NR
		7/14/2003	3.65	3.78	-0.15	0.00	NR
		8/25/2003	3.87	3.56	-0.22	0.00	NR
		9/9/2003	4.02	3.41	-0.15	0.00	NR
		9/25/2003	4.10	3.33	-0.08	0.00	NR
		10/28/2003	4.29	3.14	-0.19	0.00	NR
		11/18/2003	4.32	3.11	-0.03	0.00	NR
		12/2/2003	4.34	3.09	-0.02	0.00	NR
		1/27/2004	3.88	3.55	0.46	0.00	NR
		2/24/2004	2.75	4.68	1.13	0.00	NR
		3/29/2004	3.45	3.98	-0.70	0.00	NR
		4/19/2004	3.55	3.88	-0.10	0.00	NR
		5/20/2004	3.69	3.74	-0.14	0.00	NR
		6/22/2004	3.81	3.62	-0.12	0.00	NR
		7/27/2004	3.99	3.44	-0.18	0.00	NR
		8/24/2004	4.14	3.29	-0.15	0.00	NR
		9/29/2004	4.32	3.11	-0.18	0.00	NR
		10/25/2004	3.89	3.54	0.43	0.00	NR
		12/15/2004	3.18	4.25	0.71	0.00	NR
		1/24/2005	2.69	4.74	0.49	0.00	NR
		2/23/2005	2.48	4.95	0.21	0.00	NR
		3/23/2005	2.21	5.22	0.27	0.00	NR
		4/29/2005	2.57	4.86	-0.36	0.00	NR
		5/27/2005	2.68	4.75	-0.11	0.00	NR
		6/29/2005	2.97	4.46	-0.29	0.00	NR
		7/20/2005	3.13	4.30	-0.16	0.00	NR
		8/24/2005	3.48	3.95	-0.35	0.00	NR
		9/27/2005	3.69	3.74	-0.21	0.00	NR
		10/19/2005	3.87	3.56	-0.18	0.00	NR
		11/29/2005	3.79	3.64	0.08	0.00	NR
		12/29/2005	3.08	4.35	0.71	0.00	NR
		1/31/2006	2.91	4.52	0.17	0.00	NR
		2/28/2006	2.84	4.59	0.07	0.00	NR
		3/27/2006	2.26	5.17	0.58	0.00	NR
		4/28/2006	2.40	5.03	-0.14	0.00	NR
		6/27/2006	3.09	4.34	-0.69	0.00	NR
		7/31/2006	3.35	4.08	-0.26	0.00	NR
		8/29/2006	3.60	3.83	-0.25	0.00	NR
		9/28/2006	3.90	3.53	-0.30	0.00	NR
		10/27/2006	3.97	3.46	-0.07	0.00	NR
		11/22/2006	3.64	3.79	0.33	0.00	NR
		12/26/2006	3.04	4.39	0.60	0.00	NR
		1/25/2007	3.26	4.17	-0.22	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-1	7.43	2/16/2007	3.12	4.31	0.14	0.00	NR
		3/19/2007	2.91	4.52	0.21	0.00	NR
		4/26/2007	2.93	4.50	-0.02	0.00	NR
		5/29/2007	3.15	4.28	-0.22	0.00	NR
		6/28/2007	3.42	4.01	-0.27	0.00	NR
		7/30/2007	3.60	3.83	-0.18	0.00	NR
		8/30/2007	3.85	3.58	-0.25	0.00	NR
		9/25/2007	4.00	3.43	-0.15	0.00	NR
		10/29/2007	4.05	3.38	-0.05	0.00	NR
		11/29/2007	4.10	3.33	-0.05	0.00	NR
		12/28/2007	3.80	3.63	0.30	0.00	NR
		1/24/2008	3.14	4.29	0.66	0.00	NR
		2/21/2008	2.44	4.99	0.70	0.00	NR
		3/28/2008	2.84	4.59	-0.40	0.00	NR
		4/30/2008	3.00	4.43	-0.16	0.00	NR
		5/29/2008	3.24	4.19	-0.24	0.00	NR
		6/25/2008	3.39	4.04	-0.15	0.00	NR
		7/29/2008	3.64	3.79	-0.25	0.00	NR
		8/27/2008	3.85	3.58	-0.21	0.00	NR
		9/30/2008	4.08	3.35	-0.23	0.00	NR
		10/31/2008	4.20	3.23	-0.12	0.00	NR
		11/26/2008	4.14	3.29	0.06	0.00	NR
		12/30/2008	3.94	3.49	0.20	0.00	NR
		1/22/2009	3.93	3.50	0.01	0.00	NR
		4/3/2009	ABANDONED				
MW-2	7.15	8/28/1990	4.98	2.17	--	0.00	NR
		9/20/1990	4.94	2.21	0.04	N/A	NR
		6/19/1991	4.66	2.49	0.28	N/A	NR
		7/23/1991	4.81	2.34	-0.15	N/A	NR
		8/26/1991	4.89	2.26	-0.08	N/A	NR
		11/18/1991	4.93	2.22	-0.04	N/A	NR
		2/3/1992	4.44	2.71	0.49	N/A	NR
		6/29/1992	4.80	2.35	-0.36	N/A	NR
		6/23/1993	4.38	2.77	0.42	N/A	NR
		10/11/1993	5.20	1.95	-0.82	N/A	NR
		1/4/1994	4.56	2.59	0.64	N/A	NR
		5/10/1994	4.20	2.95	0.36	N/A	NR
		2/1/1995	4.00	3.15	0.20	N/A	NR
		8/2/1995	4.71	2.44	-0.71	N/A	NR
		10/16/1995	5.02	2.13	-0.31	N/A	NR
		12/28/1995	4.56	2.59	0.46	N/A	NR
		6/12/1996	NM	--	--	0.25	NR
		6/4/1997	6.02	1.13	-1.46	Small globules	NR
		9/30/1999	4.95	2.20	1.07	0.00	NR
		10/11/2000	4.97	2.18	-0.02	0.08	NR
		2/12/2002	4.26	2.89	0.71	0.01	24.00
		9/3/2002	5.02	2.13	-0.76	0.07	NR
		9/27/2002	4.89	2.26	0.13	0.09	222.30
		10/22/2002	5.11	2.04	-0.22	0.05	125.00
		12/23/2002	4.25	2.90	0.86	0.04	99.00
		1/16/2003	4.28	2.87	-0.03	0.02	49.00
		2/12/2003	4.26	2.89	0.02	0.01	24.00
		3/28/2003	4.35	2.80	-0.09	0.01	25.00
		5/30/2003	3.60	3.55	0.75	0.02	49.00
		6/20/2003	4.55	2.60	-0.95	0.01	NR
		7/14/2003	4.56	2.59	-0.01	0.00	NR
		8/25/2003	4.79	2.36	-0.23	0.01	25.00
		9/9/2003	4.90	2.25	-0.11	0.01	NR
		9/25/2003	4.97	2.18	-0.07	0.01	25.00
		10/28/2003	4.98	2.17	-0.01	0.04	104.00
		11/18/2003	4.83	2.32	0.15	0.00	NR
		12/3/2003	4.87	2.28	-0.04	0.00	NR
		1/27/2004	7.39	-0.24	-2.52	0.00	NR
		2/24/2004	4.56	2.59	2.83	0.01	25.00
		3/29/2004	4.24	2.91	0.32	0.01	NR
		4/19/2004	4.50	2.65	-0.26	0.01	25.00
		5/20/2004	4.53	2.62	-0.03	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-2	7.15	6/22/2004	4.65	2.50	-0.12	0.00	NR
		7/27/2004	4.80	2.35	-0.15	0.00	NR
		8/24/2004	5.93	1.22	-1.13	0.00	NR
		9/29/2004	5.00	2.15	0.93	0.02	50.00
		10/25/2004	4.68	2.47	0.32	0.00	NR
		12/15/2004	4.34	2.81	0.34	0.02	50.00
		1/24/2005	4.15	3.00	0.19	0.00	NR
		2/23/2005	4.95	2.20	-0.80	0.03	74.00
		3/23/2005	4.96	2.19	-0.01	0.02	49.00
		4/29/2005	4.23	2.92	0.73	0.10	246.00
		5/27/2005	4.20	2.95	0.03	0.02	50.00
		6/29/2005	4.29	2.86	-0.09	0.00	NR
		7/20/2005	4.48	2.67	-0.19	0.04	98.00
		8/24/2005	4.71	2.44	-0.23	0.00	NR
		9/27/2005	4.98	2.17	-0.27	0.03	70.00
		10/19/2005	5.08	2.07	-0.10	0.00	NR
		11/29/2005	4.68	2.47	0.40	0.01	25.00
		12/29/2005	4.19	2.96	0.49	0.01	NR
		1/31/2006	4.05	3.10	0.14	0.00	NR
		2/28/2006	4.16	2.99	-0.11	0.00	25.00
		3/27/2006	4.11	3.04	0.05	0.01	NR
		4/28/2006	4.03	3.12	0.08	0.00	NR
		6/27/2006	4.45	2.70	-0.42	0.01	NR
		7/31/2006	4.60	2.55	-0.15	0.02	49.00
		8/29/2006	4.84	2.31	-0.24	0.01	0.25
		9/28/2006	4.96	2.19	-0.12	0.03	NR
		10/27/2006	4.98	2.17	-0.02	0.00	NR
		11/22/2006	4.58	2.57	0.40	0.00	NR
		12/26/2006	4.22	2.93	0.36	0.02	NR
		1/25/2007	4.44	2.71	-0.22	0.00	NR
		2/16/2007	4.13	3.02	0.31	0.00	NR
		3/19/2007	4.30	2.85	-0.17	0.01	NR
		4/26/2007	4.17	2.98	0.13	0.03	NR
		5/29/2007	4.42	2.73	-0.25	0.01	25.00
		6/28/2007	5.16	1.99	-0.74	0.01	25.00
		7/30/2007	4.71	2.44	0.45	0.00	NR
		8/30/2007	4.94	2.21	-0.23	0.03	NR
		9/25/2007	5.06	2.09	-0.12	0.01	25.00
		10/29/2007	4.75	2.40	0.31	0.01	25.00
		11/29/2007	4.69	2.46	0.06	0.00	NR
		12/28/2007	4.35	2.80	0.34	0.00	NR
		1/24/2008	4.08	3.07	0.27	0.00	NR
		2/21/2008	3.97	3.18	0.11	0.01	25.00
		3/28/2008	4.18	2.97	-0.21	0.00	NR
		4/30/2008	4.40	2.75	-0.22	0.00	NR
		5/29/2008	4.58	2.57	-0.18	0.01	20.00
		6/25/2008	4.58	2.57	0.00	0.00	NR
		7/29/2008	4.85	2.30	-0.27	0.00	NR
		8/27/2008	4.89	2.26	-0.04	0.01	25.00
		9/30/2008	5.14	2.01	-0.25	0.04	98.00
		10/31/2008	5.23	1.92	-0.09	0.03	NR
		11/26/2008	4.74	2.41	0.49	0.04	NR
		12/30/2008	4.33	2.82	0.41	0.01	25.00
		1/22/2009	4.45	2.70	-0.12	0.01	25.00
	9.63	5/5/2010	4.03	5.60	2.90	0.13	NR
		10/29/2010	4.98	4.65	-0.95	0.08	NR
		2/25/2011	3.73	5.90	0.30	0.00	NR
		6/14/2011	4.23	5.40	-0.10	0.00	0.00
		7/19/2011	4.72	4.91	0.49	0.01	59.15
		8/18/2011	4.80	4.83	0.08	sheen	0.00
		9/1/2011	4.96	4.67	-0.16	sheen	0.00
		9/20/2011	5.08	4.56	-0.11	0.01	591.47
		10/19/2011	4.77	4.86	0.30	0.01	591.47
		11/22/2011	4.92	4.71	-0.15	0.01	532.32
		12/26/2011	4.92	4.71	0.00	0.01	532.32
		1/23/2012	5.20	4.43	-0.28	0.28	561.83
		2/15/2012	5.16	4.47	0.04	0.03	591.40
		2/29/2012	4.75	4.88	0.17	0.02	NR
MW-2 Product recovered prior to skimmer installation (Pre 6/14/2012):							1925.55
MW-2 Product recovered post skimmer installation (Post 6/14/2012):							3459.96
MW-2 Total product recovered:							5385.51

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-3	7.42	8/28/1990	3.88	3.54	--	0.00	NR
		9/20/1990	3.99	3.43	-0.11	0.00	NR
		6/19/1991	3.49	3.93	0.50	0.00	NR
		7/23/1991	3.71	3.71	-0.22	0.00	NR
		8/26/1991	3.94	3.48	-0.23	0.00	NR
		11/18/1991	4.23	3.19	-0.29	0.00	NR
		2/3/1992	4.01	3.41	0.22	0.00	NR
		6/29/1992	3.40	4.02	0.61	0.00	NR
		6/23/1993	2.75	4.67	0.65	0.00	NR
		10/11/1993	3.84	3.58	-1.09	0.00	NR
		1/4/1994	3.40	4.02	0.44	0.00	NR
		5/10/1994	2.25	5.17	1.15	0.00	NR
		2/1/1995	2.43	4.99	-0.18	0.00	NR
		8/2/1995	3.20	4.22	-0.77	0.00	NR
		10/16/1995	3.72	3.70	-0.52	0.00	NR
		12/28/1995	3.56	3.86	0.16	0.00	NR
		6/4/1997	3.20	4.22	0.36	0.00	NR
		6/3/1998	NM	--	--	0.00	NR
		9/30/1999	3.72	3.70	-0.52	0.00	NR
		10/11/2000	3.88	3.54	-0.16	0.00	NR
		9/3/2002	3.75	3.67	0.13	0.00	NR
		12/23/2002	3.50	3.92	0.25	0.00	NR
		3/28/2003	3.56	3.86	-0.06	0.00	NR
		5/30/2003	3.38	4.04	0.18	0.00	NR
		6/20/2003	3.52	3.90	-0.14	0.00	NR
		7/14/2003	3.65	3.77	-0.13	0.00	NR
		8/25/2003	3.99	3.43	-0.34	0.00	NR
		9/9/2003	3.99	3.43	0.00	0.00	NR
		9/25/2003	4.06	3.36	-0.07	0.00	NR
		10/28/2003	4.15	3.27	-0.09	0.00	NR
		11/18/2003	4.28	3.14	-0.13	0.00	NR
		12/2/2003	4.31	3.11	-0.03	0.00	NR
		1/27/2004	3.85	3.57	0.46	0.00	NR
		2/24/2004	3.70	3.72	0.15	0.00	NR
		3/29/2004	3.47	3.95	0.23	0.00	NR
		4/19/2004	3.55	3.87	-0.08	0.00	NR
		5/20/2004	3.65	3.77	-0.10	0.00	NR
		6/22/2004	3.83	3.59	-0.18	0.00	NR
		7/27/2004	3.98	3.44	-0.15	0.00	NR
		8/24/2004	4.14	3.28	-0.16	0.00	NR
		9/29/2004	4.30	3.12	-0.16	0.00	NR
		10/25/2004	3.85	3.57	0.45	0.00	NR
		12/15/2004	3.16	4.26	0.69	0.00	NR
		1/24/2005	2.65	4.77	0.51	0.00	NR
		2/23/2005	2.50	4.92	0.15	0.00	NR
		3/23/2005	2.48	4.94	0.02	0.00	NR
		4/29/2005	2.59	4.83	-0.11	0.00	NR
		5/27/2005	2.75	4.67	-0.16	0.00	NR
		6/29/2005	3.05	4.37	-0.30	0.00	NR
		7/20/2005	3.10	4.32	-0.05	0.00	NR
		8/24/2005	3.45	3.97	-0.35	0.00	NR
		9/27/2005	3.71	3.71	-0.26	0.00	NR
		10/19/2005	3.73	3.69	-0.02	0.00	NR
		11/29/2005	3.75	3.67	-0.02	0.00	NR
		12/29/2005	3.08	4.34	0.67	0.00	NR
		1/31/2006	2.99	4.43	0.09	0.00	NR
		2/28/2006	2.95	4.47	0.04	0.00	NR
		3/27/2006	2.60	4.82	0.35	0.00	NR
		4/28/2006	2.90	4.52	-0.30	0.00	NR
		6/27/2006	3.01	4.41	-0.11	0.00	NR
		7/31/2006	4.33	3.09	-1.32	0.00	NR
		8/29/2006	3.62	3.80	0.71	0.00	NR
		9/28/2006	3.80	3.62	-0.18	0.00	NR
		10/27/2006	3.90	3.52	-0.10	0.00	NR
		11/22/2006	3.60	3.82	0.30	0.00	NR
		12/26/2006	3.07	4.35	0.53	0.00	NR
		1/25/2007	3.25	4.17	-0.18	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
MW-3	7.42	2/16/2007	3.09	4.33	0.16	0.00	NR
		3/19/2007	2.83	4.59	0.26	0.00	NR
		4/26/2007	2.94	4.48	-0.11	0.00	NR
		5/29/2007	3.18	4.24	-0.24	0.00	NR
		6/28/2007	3.41	4.01	-0.23	0.00	NR
		7/30/2007	3.62	3.80	-0.21	0.00	NR
		8/30/2007	3.84	3.58	-0.22	0.00	NR
		9/25/2007	4.03	3.39	-0.19	0.00	NR
		10/29/2007	4.06	3.36	-0.03	0.00	NR
		11/29/2007	4.10	3.32	-0.04	0.00	NR
		12/28/2007	3.78	3.64	0.32	0.00	NR
		1/24/2008	3.16	4.27	0.63	0.00	NR
		2/21/2008	2.41	5.02	0.75	0.00	NR
		3/28/2008	2.94	4.48	-0.54	0.00	NR
		4/30/2008	3.08	4.34	-0.14	0.00	NR
		5/29/2008	3.24	4.18	-0.16	0.00	NR
		6/25/2008	3.30	4.12	-0.06	0.00	NR
		7/29/2008	3.50	3.92	-0.20	0.00	NR
		8/27/2008	3.84	3.58	-0.34	0.00	NR
		9/30/2008	4.03	3.39	-0.19	0.00	NR
		10/31/2008	4.20	3.22	-0.17	0.00	NR
		11/26/2008	4.23	3.19	-0.03	0.00	NR
		12/30/2008	3.96	3.46	0.27	0.00	NR
		1/22/2009	3.96	3.46	0.00	0.00	NR
	9.89	5/5/2010	3.13	6.76	3.30	0.02	NR
		10/29/2010	4.70	5.19	-1.57	0.00	NR
		2/25/2011	1.54	8.35	3.16	0.02	NR
		6/14/2011	3.25	6.64	-1.71	0.05	0.00
		7/19/2011	3.53	6.36	-0.28	0.02	532.32
		8/18/2011	3.98	5.91	-0.45	sheen	591.47
		9/1/2011	4.12	5.77	-0.14	sheen	591.47
		9/20/2011	4.41	5.48	-0.29	sheen	591.47
		10/19/2011	4.34	5.55	0.07	sheen	561.90
		11/22/2011	4.75	5.14	-0.41	sheen	532.32
		12/20/2011	NR	--	--	--	532.32
		12/26/2011	4.70	5.19	-0.29	sheen	532.32
		1/23/2012	4.11	5.78	0.64	0.01	532.26
		2/15/2012	4.90	4.99	-0.79	0.02	591.40
		2/29/2012	4.14	5.75	0.56	0.03	NR
MW-3 Product recovered prior to skimmer installation (Pre 6/14/2012):							NR
MW-3 Product recovered post skimmer installation (Post 6/14/2012):							5589.25
MW-3 Total product recovered:							5589.25
MW-4	9.77	5/5/2010	2.96	6.81	--	0.00	
		10/29/2010	4.53	5.24	-1.57	0.00	NR
		2/25/2011	1.34	8.43	3.19	0.00	NR
		9/1/2011	3.99	5.78	0.54	0.00	NR
		2/29/2012	3.91	5.86	-2.57	0.00	NR
MW-8	8.22	5/5/2010	2.56	5.66	--	0.00	
		10/29/2010	4.39	3.83	-1.83	0.00	NR
		2/25/2011	2.69	5.53	1.70	0.00	NR
		9/1/2011	3.67	4.55	0.72	0.00	NR
		2/29/2012	3.63	4.59	-0.94	0.00	NR
MW-9	14.63	5/5/2010	6.28	8.35	--	0.00	
		10/29/2010	6.28	8.35	0.00	0.00	NR
		2/25/2011	5.55	9.08	0.73	0.00	NR
		9/1/2011	6.05	8.58	0.23	0.00	NR
		2/29/2012	5.98	8.65	-0.43	0.00	NR
MW-10	9.68	5/5/2010	8.28	1.40	--	0.00	
		10/29/2010	8.27	1.41	0.01	0.00	NR
		2/25/2011	4.45	5.23	3.82	0.00	NR
		9/1/2011	8.35	1.33	-0.08	0.00	NR
		2/29/2012	8.32	1.36	-0.05	0.00	NR
MW-11	9.49	5/5/2010	7.21	2.28	--	0.00	
		10/29/2010	6.83	2.66	0.38	0.00	NR
		2/25/2011	2.83	6.66	4.00	0.00	NR
		9/1/2011	6.05	3.44	0.78	0.00	NR
		2/29/2012	5.89	3.60	0.94	0.00	NR
OW-1	N/A	6/4/1997	7.22	NC	--	0.01	NR
		9/30/1999	8.35	NC	1.13	0.01	NR
		10/11/2000	6.90	NC	-1.45	0.09	NR
		2/12/2002	5.23	NC	-1.67	0.01	38.00
		9/3/2002	NR	NC	NR	0.08	NR
		9/27/2002	7.02	NC	1.79	0.14	345.78
		10/22/2002	7.34	NC	0.32	0.01	40.00
		12/23/2002	5.17	NC	-2.17	0.03	167.00
		1/16/2003	4.97	NC	-0.20	0.01	40.00
		2/12/2003	5.23	NC	0.26	0.01	38.00
		3/28/2003	5.16	NC	-0.07	0.01	25.00
		5/30/2003	4.41	NC	-0.75	0.02	77.00
		6/20/2003	4.93	NC	0.52	0.01	NR

TABLE 1
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UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
OW-1	N/A	7/14/2003	5.33	NC	0.40	0.00	NR
		8/25/2003	5.85	NC	0.52	0.00	NR
		9/9/2003	6.33	NC	0.48	0.00	NR
		9/25/2003	6.52	NC	0.19	0.01	25.00
		10/28/2003	7.26	NC	0.74	0.03	176.00
		11/18/2003	7.29	NC	0.03	0.00	NR
		12/2/2003	7.23	NC	-0.06	0.03	115.00
		1/27/2004	7.96	NC	0.73	0.01	NR
		2/24/2004	6.26	NC	-1.70	0.02	112.00
		3/29/2004	6.08	NC	-0.18	0.02	NR
		4/19/2004	6.29	NC	0.21	0.03	116.00
		5/20/2004	6.16	NC	-0.13	0.00	NR
		6/22/2004	6.37	NC	0.21	0.00	NR
		7/27/2004	5.67	NC	-0.70	0.04	225.00
		8/24/2004	6.81	NC	1.14	0.00	NR
		9/29/2004	7.08	NC	0.27	0.04	153.00
		10/25/2004	6.74	NC	-0.34	0.04	NR
		12/15/2004	5.33	NC	-1.41	0.04	155.00
		1/24/2005	3.98	NC	-1.35	0.00	NR
		2/23/2005	3.44	NC	-0.54	0.01	NR
		3/23/2005	3.34	NC	-0.10	0.02	77.00
		4/29/2005	6.89	NC	3.55	0.13	501.00
		5/27/2005	7.18	NC	0.29	0.11	425.00
		6/29/2005	7.12	NC	-0.06	0.10	450.00
		7/20/2005	7.20	NC	0.08	0.10	556.00
		8/24/2005	7.15	NC	-0.05	0.06	249.00
		9/27/2005	7.43	NC	0.28	0.12	450.00
		10/19/2005	7.48	NC	0.05	0.11	425.00
		11/29/2005	7.00	NC	-0.48	0.04	153.00
		12/29/2005	5.22	NC	-1.78	0.00	NR
		1/31/2006	5.64	NC	0.42	0.00	NR
		2/28/2006	6.53	NC	0.89	0.01	39.00
		3/27/2006	5.80	NC	-0.73	0.01	NR
		4/28/2006	6.39	NC	0.59	0.00	NR
		6/27/2006	7.82	NC	1.43	0.06	NR
		7/31/2006	5.82	NC	-2.00	0.05	278.00
		8/29/2006	7.05	NC	1.23	0.07	268.00
		9/28/2006	7.10	NC	0.05	0.02	NR
		10/27/2006	7.27	NC	0.17	0.02	NR
		11/22/2006	7.05	NC	-0.22	0.02	NR
		12/26/2006	6.73	NC	-0.32	0.03	NR
		1/25/2007	7.15	NC	0.42	0.00	NR
		2/16/2007	7.71	NC	0.56	0.01	NR
		3/19/2007	6.77	NC	-0.94	0.02	NR
		4/26/2007	6.66	NC	-0.11	0.01	NR
		5/29/2007	6.86	NC	0.20	0.02	76.00
		6/28/2007	6.97	NC	0.11	0.20	75.00
		7/30/2007	7.06	NC	0.09	0.01	NR
		8/30/2007	7.25	NC	0.19	0.03	NR
		9/25/2007	7.25	NC	0.00	0.03	115.00
		10/29/2007	7.43	NC	0.18	0.02	78.00
		11/29/2007	7.37	NC	-0.06	0.00	NR
		12/28/2007	7.28	NC	-0.09	0.01	40.00
		1/24/2008	6.61	NC	-0.67	0.01	38.00
		2/21/2008	6.33	NC	-0.28	0.01	37.00
		3/28/2008	6.80	NC	0.47	0.01	NR
		4/30/2008	7.44	NC	0.64	0.03	166.90
		5/29/2008	7.09	NC	-0.35	0.01	38.00
		6/25/2008	7.07	NC	-0.02	0.02	112.00
		7/29/2008	7.34	NC	0.27	0.00	NR
		8/27/2008	7.28	NC	-0.06	0.02	78.00
		9/30/2008	7.82	NC	0.54	0.03	167.00
		10/31/2008	7.31	NC	-0.51	0.01	NR
		11/26/2008	6.93	NC	-0.38	0.01	NR
		12/30/2008	7.25	NC	0.32	0.02	112.00
		1/22/2009	7.05	NC	-0.20	0.01	56.00

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Reference Elevation	Date	Depth to Groundwater	Groundwater Elevation	Change in Measurement	Product Thickness	Volume Product Recovered
			(ft)	(ft)	(ft)	(ft)	(mL)
OW-1	9.55	5/5/2010	7.08	2.47	--	0.06	NR
		10/29/2010	7.37	2.18	-0.29	0.08	NR
		2/25/2011	6.17	3.38	1.20	0.05	NR
		6/14/2011	6.78	2.77	-0.61	0.08	0.00
		7/19/2011	7.30	2.25	-0.52	0.20	118.29
		8/18/2011	7.35	2.20	-0.05	0.03	147.87
		9/1/2011	7.35	2.20	0.00	0.03	147.87
		9/20/2011	7.41	2.14	-0.06	0.04	591.47
		10/19/2011	7.42	2.13	-0.01	0.03	532.32
		11/22/2011	7.09	2.46	0.33	0.03	29.57
		12/20/2011	NR	--	--	0.02	147.90
		12/26/2011	7.32	2.23	0.09	0.02	147.87
		1/23/2012	6.90	2.65	0.19	0.30	532.26
		2/15/2012	7.32	2.23	-0.42	0.02	591.40
		2/29/2012	7.54	2.01	-0.22	0.08	NR
OW-1 Product recovered prior to skimmer installation (Pre 6/14/2012):							6907.68
OW-1 Product recovered post skimmer installation (Post 6/14/2012):							2986.82
OW-1 Total product Recovered:							9894.50
Total product recovered from skimmers (MW-2, MW-3 and OW-1):							
Total product recovered prior to skimmer installation (mL):							8833.2
Total product recovered prior to skimmer installation (oz):							298.0
Total product recovered prior to skimmer installation (gal):							2.3
Total product recovered post skimmer installation (mL):							12036.0
Total product recovered post skimmer installation (oz):							406.0
Total product recovered post skimmer installation (gaL):							3.2
Total product recovered (mL):							20869.3
Total product recovered (oz):							705.0
Total product recovered (gal):							5.5

Notes:
1. Reference elevation surveyed relative to mean sea level by Geraghty and Miller (Geraghty and Miller, Inc., 1990)
2. Depth to groundwater measured from notch/mark on north edge of well casing
3. Sources: Geraghty and Miller, 1996; BBL
4. mL: milliliters
5. oz: ounces
6. gal: gallons
4. NM = Not measured; NC = Not calculated; N/A= Not Available; NR = No Recovery
5. SPH detected but amount insufficient to bail
Volume of product recovered on 9/27/02 and 3/23/05 calculated based on measurements from field data sheets

TABLE 2
Monthly Skimmer PSH Recovery Events

UPS-OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date Collected	Time	Well Size	Depth to Product (foot)	Product Thickness (inches)	Amount of product recovered from the Skimmer (Ounces)	Amount of water from the Skimmer	Notes
OW-1	2/29/2012	9:42	6"	7.46	0.08	20	-	strong odor
	2/15/2012	12:00		7.3	0.02	20	-	Yellow, strong odor, brown/black particles
	1/23/2012	2:00		6.9	0.3	18	-	Yellow translucent, brown skim, strong odor
	12/20/2011	12:20		7.30	0.02	5	-	0.75 yellow and 4.25 black
	11/22/2011	1:00		7.06	0.03	1	-	Black liquid
	10/19/2011	12:20		7.45	0.03	6 OZ Black 12 OZ Yellow	-	Black with strong odor, rainbow bubbles, yellow slightly translucent
	9/20/2011	12:20		7.37	0.04	20	-	Yellow, strong odor, semi-translucent with layer of black liquid
	9/1/2011	9:06		7.32	0.03	0	-	
	8/18/2011	2:20		7.38	0.03	5	0	Black liquid with a strong odor
	7/19/2011	2:45		7.1	0.2	4	16 OZ	16 OZ Yellow brown black substance on top 4 OZ Brownish-black both with strong odor
	6/14/2011	3:25		6.7	0.08	-	20 OZ	No separation, strong odor, yellowish
MW-2	2/29/2012	9:51	4"	4.73	0.02	20	-	strong odor
	2/15/2012	12:15		5.13	0.03	20	-	Yellow, strong odor, rainbow sheen, brown particles
	1/23/2012	2:10		4.92	0.28	19	-	Yellow translucent, strong odor, black/brown sheen
	12/20/2011	12:30		4.91	0.01	18	-	Pretty Clear-Slightly Yellowish
	11/22/2011	1:20		-	-	18	-	Yellowish liquid-odor
	10/19/2011	12:30		4.78	0.01	20	-	Yellow translucent, strong odor. Clack sediments
	9/20/2011	12:30		5.07	-	20	-	Yellow, strong odor with layer of black liquid translucent but more transparent, black sheen on top and black particulates floating
	9/1/2011	9:00		-	-	0	-	
	8/18/2011	2:50		-	-	0	0	Little black liquid strong odor
	7/19/2011	3:15		4.71	0.1	2	0	Black yellowish liquid
	6/14/2011	3:15		4.2	0.03	0	0	Nothing inside well, black sludge

MW-3	2/29/2012	9:39	4"	4.11	0.03	20	-	strong odor
	2/15/2012	12:30		4.88	0.02	20	-	Yellow, strong odor
	1/23/2012	2:20		4.1	0.01	18	-	Slightly yellow, strong odor, rainbow sheen
	12/20/2011	12:45		-	-	18	-	Translucent & yellow with black particles, odor.
	11/22/2011	1:30		-	-	18	-	Yellowish, odor
	10/19/2011	12;45		-	-	19	-	Translucent & strong odor, Clearer than other wells
	9/20/2011	12;45		4.41	0.05	20	-	Yellow, strong odor, with layer of black liquid translucent but more transparent
	9/1/2011	9:11		-	-	0	-	
	8/18/2011	2:35		-	-	20	-	Slightly translucent yellow strong odor
	7/19/2011	3:30		3.51	0.2	18	0	Yellowish with little black liquid
	6/14/2011	3:00		3.2	0.05	sheen	18 OZ	Top of the skimmers have buildups

Note: PSH = Phase Separated Hydrocarbons

TABLE 3

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	MTBE µg/L	TPH as gasoline µg/L	TPH as diesel µg/L	D.O. (mg/L)	EDB µg/L	1,2-DCA µg/L	Naphthalene µg/L	TDS (mg/L)
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	0.05	6	17	NA
ESL - Non-Drinking Water	--	46	100	43	100	1800	210	210	--	150	200	24	NA
MW-1	8/28/1990	3.00	1.40	4.00	2.40	NA	NA	21,000	NA	NA	NA	NA	NA
	6/19/1991	1.70	0.70	0.50	0.90	NA	NA	7,100	NA	NA	NA	NA	NA
	7/23/1991	1.60	1.10	0.50	1.50	NA	220	8,700	NA	NA	NA	NA	NA
	8/26/1991	180.00	120.00	31.00	160.00	NA	NA	2,800	NA	NA	NA	NA	NA
	11/18/1991	1.10	0.40	0.50	< 0.3	NA	NA	6,600	NA	NA	NA	NA	NA
	2/3/1992	0.90	< 0.3	0.80	0.70	NA	NA	2,200	NA	NA	NA	NA	NA
	6/29/1992	0.80	0.40	0.40	0.90	NA	NA	2,100	NA	NA	NA	NA	NA
	6/23/1993	0.66	< 0.5	0.50	< 0.5	NA	NA	3,200	NA	NA	NA	NA	NA
	10/11/1993	1.30	< 0.5	< 0.5	< 0.5	NA	NA	9,600	NA	NA	NA	NA	NA
	1/4/1994	2.10	0.65	1.30	2.10	NA	NA	12,000	NA	NA	NA	NA	NA
	5/10/1994	0.54	0.53	< 0.5	1.10	NA	NA	6,400	NA	NA	NA	NA	NA
	2/1/1995	< 1.0	< 1.0	1.00	< 1.0	NA	510	10,000	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	510	8,700	NA	NA	NA	NA	NA
	10/16/1995	2.80	< 0.5	< 0.5	< 0.5	NA	830	15,000	NA	NA	NA	NA	NA
	12/28/1995	2.10	< 0.5	< 0.5	< 0.5	NA	560	15,000	NA	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	28,000	0.76	NA	NA	NA	NA
	9/30/1999	< 0.5	0.60	< 0.5	1.80	<3.0	1,600	28,000	9.90	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5	260	21,000	0.39	NA	NA	NA	NA
	9/3/2002	<0.5	<0.5	<0.5	0.50	<0.5	1,00	38,000	NA	NA	NA	NA	NA
	3/28/2003	<5	<5	<5	<10	<5.0	250	35,000	NA	NA	NA	NA	NA
	9/9/2003	<0.5	<0.5	<0.5	<1.0	0.60	440	11,000	NA	NA	NA	NA	NA
	4/19/2004	3.20	<2.5	<2.5	<5.0	<2.5	280	24,000ndp	NA	NA	NA	NA	NA
	9/29/2004	<1.0	<1.0	<1.0	<2.0	2.10	1,400 g	150,000 ndp	NA	NA	NA	NA	NA
	3/23/2005	<1.0	<1.0	<1.0	<2.0	<1.0	550 Q1	15,000 Q2	NA	NA	NA	NA	NA
	11/29/2005	< 0.50	< 0.50	< 0.50	<1.0	0.94	310	7800	NA	NA	NA	NA	NA
	3/27/2006	< 0.50	< 0.50	< 0.50	<1.0	0.62	420	11,000	NA	NA	NA	NA	NA
	9/28/2006	< 0.50	< 0.50	< 0.50	<1.0	0.87	220	28,000	NA	NA	NA	NA	NA
	3/19/2007	< 0.50	< 0.50	< 0.50	<1.0	<1.0	940	11,000	NA	NA	NA	NA	NA
	9/25/2007	<0.50	<0.50	<0.50	1.1	<0.50	240	9,700	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	55	13,000	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	280	9,800	NA	NA	NA	NA	NA
	4/3/2009	ABANDONED											
MW-2	8/28/1990	0.60	0.40	0.60	0.70	NA	NA	3,500	NA	NA	NA	NA	NA
	6/19/1991	0.50	< 0.3	< 0.3	< 0.3	NA	NA	<500	NA	NA	NA	NA	NA
	7/23/1991	0.70	< 0.3	< 0.3	< 0.3	NA	<500	660	NA	NA	NA	NA	NA
	8/26/1991	0.70	< 0.3	< 0.3	< 0.3	NA	NA	<500	NA	NA	NA	NA	NA
	11/18/1991	0.80	< 0.3	< 0.3	< 0.3	NA	NA	3,200	NA	NA	NA	NA	NA
	2/3/1992	0.70	< 0.3	< 0.3	0.50	NA	NA	400	NA	NA	NA	NA	NA
	6/29/1992	0.60	< 0.3	< 0.3	< 0.3	NA	NA	250	NA	NA	NA	NA	NA
	6/23/1993	0.55	< 0.5	< 0.5	< 0.5	NA	NA	11,000	NA	NA	NA	NA	NA
	10/11/1993	1.20	< 0.5	< 0.5	1.30	NA	NA	1,400	NA	NA	NA	NA	NA
	1/4/1994	0.72	< 0.5	< 0.5	1.10	NA	NA	3,700	NA	NA	NA	NA	NA
	5/10/1994	0.74	< 0.5	< 0.5	0.70	NA	NA	2,300	NA	NA	NA	NA	NA
	2/1/1995	2.10	< 1.0	< 1.0	< 1.0	NA	<100	2,100	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	210	3,600	NA	NA	NA	NA	NA
	10/16/1995	0.73	< 0.5	< 0.5	< 0.5	NA	130	1,400	NA	NA	NA	NA	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	210	2,800	NA	NA	NA	NA	NA
	6/12/1996	NS	NS	NS	NS	NS	NS	--	NS	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	3,300	0.52	NA	NA	NA	NA
	9/30/1999	< 0.5	< 0.5	< 0.5	< 1.0	< 3.0	220	6,300	9.50	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	170	4,400	0.43	NA	NA	NA	NA
	9/27/2002	0.7J	<2.5	<2.5	<2.5	<2.5	17,000	67,000	NA	NA	NA	NA	NA
	3/28/2003	<25	<25	<25	<50	<25	1,600	10,000	NA	NA	NA	NA	NA
	9/25/2003	0.52	<0.50	<0.50	<1.0	<0.50	150	12,000	NA	NA	NA	NA	NA
	3/29/2004	0.51	<0.50	<0.50	<1.0	<0.50	84 g	7,800 ndp	NA	NA	NA	NA	NA
	9/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	630 g	10,000 ndp	NA	NA	NA	NA	NA
	1/24/2005	<0.50	<0.50	<0.50	<1.0	<0.50	2,300 Q1	15,000 Q2	NA	NA	NA	NA	NA
	11/29/2005	<1.0	<1.0	<1.0	<2.0	<1.0	1,900	22,000	NA	NA	NA	NA	NA
	3/27/2006	<1.0	<1.0	<1.0	<2.0	<1.0	710	8,900	NA	NA	NA	NA	NA
	9/28/2006	<0.50	<0.50	<0.50	<1.0	<0.50	62	7,500	NA	NA	NA	NA	NA
	3/19/2007	<0.50	<0.50	<0.50	<1.0	<0.50	<50	11,000	NA	NA	NA	NA	NA
	9/25/2007	<0.50	<0.50	<0.50	<1.0	<0.50	55	8,700	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	210	6,200	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	220	23,000	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	<50	3,700	NA	<0.5	<0.6	<1.0	2,800
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	360	37,000	NA	NA	NA	NA	NA
	9/1/2011	0.59	4.90	0.98	10.0	<0.50	140	4,600	NA	NA	NA	NA	NA
	2/29/2012	<0.50	0.52	<0.50	1.7	<0.50	**510**	**13,000**	NA	NA	NA	2.0	NA

TABLE 3

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	MTBE µg/L	TPH as gasoline µg/L	TPH as diesel µg/L	D.O. (mg/L)	EDB µg/L	1,2-DCA µg/L	Naphthalene µg/L	TDS (mg/L)
MW-3	8/28/1990	0.50	0.80	4.30	2.30	NA	NA	18,000	NA	NA	NA	NA	NA
	6/19/1991	0.40	0.40	1.70	1.40	NA	NA	1,300	NA	NA	NA	NA	NA
	7/23/1991	0.30	< 0.3	1.50	0.50	NA	330	6,800	NA	NA	NA	NA	NA
	8/26/1991	13.00	13.00	5.80	26.00	NA	NA	<50	NA	NA	NA	NA	NA
	11/18/1991	0.60	< 0.3	< 0.3	< 0.3	NA	NA	2,500	NA	NA	NA	NA	NA
	2/3/1992	0.40	< 0.3	1.30	0.60	NA	NA	1,100	NA	NA	NA	NA	NA
	6/29/1992	< 0.3	< 0.3	1.30	0.30	NA	NA	3,200	NA	NA	NA	NA	NA
	6/23/1993	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	8,100	NA	NA	NA	NA	NA
	10/11/1993	1.00	< 0.5	1.50	2.40	NA	NA	7,100	NA	NA	NA	NA	NA
	1/4/1994	< 0.5	< 0.5	1.60	< 0.5	NA	NA	7,400	NA	NA	NA	NA	NA
	5/10/1994	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	5,700	NA	NA	NA	NA	NA
	2/1/1995	< 1.0	< 1.0	2.70	4.10	NA	810	10,000	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	1,200	6,500	NA	NA	NA	NA	NA
	10/16/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	930	9,800	NA	NA	NA	NA	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	690	11,000	NA	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	34,000	0.84	NA	NA	NA	NA
	9/30/1999	< 0.5	0.60	0.70	1.20	< 3.0	1300	8,700	8.60	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	430	20,000	0.51	NA	NA	NA	NA
	9/3/2002	<0.5	<0.5	<0.5	<0.5	<0.5	2,300	14,000	NA	NA	NA	NA	NA
	3/28/2003	<25	<25	<25	<50	<25	2,500	19,000	NA	NA	NA	NA	NA
	9/9/2003	<0.5	<0.5	<0.5	<1.0	<0.5	700	73,000	NA	NA	NA	NA	NA
	4/19/2004	<0.50	<0.50	<0.50	<1.0	<0.50	99	14,000 ndp	NA	NA	NA	NA	NA
	9/29/2004	<2.5	<2.5	<2.5	<5.0	<2.5	390 g	10,000 ndp	NA	NA	NA	NA	NA
	1/24/2005	<2.5	<2.5	<2.5	<5.0	<2.5	330 Q1	14,000 Q2	NA	NA	NA	NA	NA
	11/29/2005	< 1.0	< 1.0	<1.0	< 2.0	< 1.0	1,200	8,300	NA	NA	NA	NA	NA
	3/27/2006	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	430	13,000	NA	NA	NA	NA	NA
	9/28/2006	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	370	17,000	NA	NA	NA	NA	NA
	3/19/2007	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	510	26,000	NA	NA	NA	NA	NA
	9/25/2007	<1.0	<1.0	<1.0	<2.0	<1.0	390	11,000	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	280	21,000	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	270	9,500	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	<150	24,000	NA	<0.50	<0.50	2.2	910
	2/25/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	1.70	<0.50	2.1	<0.50	450	24,000	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	1.3	<0.50	**520**	**13,000**	NA	NA	NA	2.1	NA
MW-4	5/5/2010	NA	NA	NA	NA	NA	<50	5,200	NA	<5.0	<5.0	<1.0	1,100
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	150	2,000	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	250	24,000	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	430	7,700	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	**150**	**12,000**	NA	NA	NA	<1.0	NA
MW-8	5/5/2010	NA	NA	NA	NA	NA	<50	70	NA	<0.50	<0.50	<1.0	2,900
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	1,100	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	280	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	200	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**120**	NA	NA	NA	<1.0	NA
MW-9	5/5/2010	NA	NA	NA	NA	NA	<50	110	NA	<0.50	<0.50	<1.0	6,200
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	580	NA	NA	NA	NA	NA
	9/1/2011	<0.50	0.55	<0.50	<1.0	<0.50	<50	240	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**160**	NA	NA	NA	<1.0	NA
MW-10	5/5/2010	NA	NA	NA	NA	NA	<50	110	NA	<0.50	<0.50	<1.0	2,100
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	650	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	5,600	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	250	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**170**	NA	NA	NA	<1.0	NA
MW-11	5/5/2010	NA	NA	NA	NA	NA	<50	430	NA	<0.50	<0.50	<1.0	10,000
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	7,200	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	1,900	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	1,100	NA	NA	NA	NA	NA
	2/29/2012	0.53	<0.50	<0.50	<1.0	<0.50	<50	**1,200**	NA	NA	NA	<1.0	NA

TABLE 3

HISTORICAL GROUNDWATER MONITORING RESULTS SUMMARY

UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 583

Monitoring Well	Date	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	MTBE µg/L	TPH as gasoline µg/L	TPH as diesel µg/L	D.O. (mg/L)	EDB µg/L	1,2-DCA µg/L	Naphthalene µg/L	TDS (mg/L)
OW-1	6/23/1993	< 0.5	< 0.5	< 0.5	31.00	NA	NA	34,000,000	NA	NA	NA	NA	NA
	6/4/1997	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA
	9/30/1999	< 2.0	< 2.0	< 2.0	4.20	< 12.0	8,300	28,000,000	9.70	NA	NA	NA	NA
	9/30/1999	< 1.0	< 1.0	1.90	8.90	< 6.0	2,900	340,000	--	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	2,100	58,000	0.74	NA	NA	NA	NA
	9/27/2002	0.6J	<2.5	<2.5	<2.5	<2.5	17,000	23,000	NA	NA	NA	NA	NA
	3/28/2003	<50	<50	<50	<100	<50	820	81,000	NA	NA	NA	NA	NA
	9/25/2003	<50	530.00	500.00	6200.00	<50	220	91,000	NA	NA	NA	NA	NA
	3/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	510	280,000 ndp	NA	NA	NA	NA	NA
	9/29/2004	<2.5	<2.5	<2.5	<5.0	<2.5	2,800 g	440,000 ndp	NA	NA	NA	NA	NA
	1/24/2005	<0.50	<0.50	<0.50	<1.0	<0.50	220 Q1	16,000 Q2	NA	NA	NA	NA	NA
	11/29/2005	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	650	30,000	NA	NA	NA	NA	NA
	3/27/2006	<13	<13	<13	<25	<13	<1,300	58,000	NA	NA	NA	NA	NA
	9/28/2006	<2.5	<2.5	<2.5	<5.0	<2.5	820	130,000	NA	NA	NA	NA	NA
	3/19/2007	<2.5	<2.5	<2.5	<5.0	<2.5	460	76,000	NA	NA	NA	NA	NA
	9/25/2007	<2.0	<2.0	<2.0	<4.0	<2.0	<200	42,000	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	1,700	120,000	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	340	180,000	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	74	7,000	NA	<0.50	<0.50	<1.0	1,800
	2/25/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<5.0	<5.0	<5.0	<10.0	<5.0	**1,200**	**27,000**	NA	NA	NA	<10.0	NA

Notes:
(µg/L) = are micrograms per liter and mg/L are milligrams per liter.
NA = Not Analyzed; NS = Not Sampled; NM = Not Measured
TPH = Total petroleum hydrocarbons; MTBE = Methyl tertiary butyl ether.
Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water.
D.O. = Dissolved Oxygen measured in the field.
Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).
Bold values indicate analytical detections above MCL.
The 9/96, 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C-26.
J - Estimated value between MDL and PQL.
ndp - Hydrocarbon reported does not match the pattern of laboratory Diesel standard.
* = Not an MCL; Odor and taste threshold per the California Regional Water Quality Control Board regulations
Q2 = Quantity of unknown hydrocarbon(s) in sample based on diesel.
Q1 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
RWQCB ESLs = Regional Water Quality Control Board ESLs for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - November 2007 (Revised May 2008) San Francisco Bay Region, CA

ARCADIS

Appendix A

UPS – Oakland Hub
Groundwater Parameters and Field Notes

WELL GAUGING DATA

Project # 120229-DR1 Date 2/29/12 Client Arcadis

Site 8400 Pardee Rd. Oakland CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-2	0951	4	Sheen Odor	4.73	0.02		4.75	14.25		Skimmer
MW-3	0939	4	Strong odor	4.11	0.03		4.14	14.58		Skimmer
MW-4	0919	2					3.91	16.69		
MW-8	0934	2					3.63	12.22		
MW-9	0929	2					5.98	13.20		
MW-10	1016	2					8.32	12.19		
MW-11	0924	2					5.89	12.45		
OW-1	0942	6	Strong odor	7.46	0.08		7.54	18.05		Skimmer
* Skimmers removed				30 min.	prior	to gauging.	All	stable.		

WELLHEAD INSPECTION CHECKLIST

Date 2/29/12 Client Arcadis

Site Address 8400 Pardee Rd. Oakland Ca.

Job Number 120229-DR1 Technician DR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-2							X	
MW-3							X	
MW-4	X							
MW-8	X						No lock	
MW-9	X						No lock	
MW-10	X						No lock.	
MW-11							No lock.	
OW-1	X						No lock.	

NOTES: MW-11 (cracked apron. No lock. MW-3 Cracked apron.
MW-2 Cracked apron.

W[illegible]L MONITORING DATA SHE

Project #: 120279-DR1	Client: Arcadis
Sampler: DR (BP)	Date: 2/29/12
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.25	Depth to Water (DTW): 4.75
Depth to Free Product: 4.73	Thickness of Free Product (feet): 0.02
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.65	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

6.2 (Gals.) X 3 = 18.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1250	Emptied skimmer		appx 15mL SPH &		500mL H2O	blackish floating debris odor
1257	Bailed	appx	20mL SPH &	1.5 Gal H2O		
1302	16.9	6.99	4393	>1000	6.2	brown sheen odor
1304	Well Dewatered @		8.5 Gals			DTW: 12.08
1505	17.0	7.07	4812	474	—	odor light sheen

Did well dewater? (Yes) No Gallons actually evacuated: 8.5

Sampling Date: 2/29/12 Sampling Time: 1505 Depth to Water: 8.72 (2hr)

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W[illegible]L MONITORING DATA SHE

Project #: 120279-DR1	Client: Arcadis
Sampler: DR (BB)	Date: 2/29/12
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.58	Depth to Water (DTW): 9.14
Depth to Free Product: 9.11	Thickness of Free Product (feet): 0.03
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.22	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other:_____

6.8 (Gals.) X 3 = 20.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1230	Emptied skimmer appx		10mL SPH &	500mL H_2O		odor cloudy brown
1237	Bailed appx		15mL SPH &	1.5 gal H_2O		brown, blackish odor
1242	16.5	6.85	1939	>1000	6.8	~~brown~~ grey odor sheen
1244	Well Dewatered @		9.4	Gals		DTW: 11.84
1430	15.7	7.39	883	11	—	odor sheen (light)

Did well dewater? (Yes) No Gallons actually evacuated: 9.4

Sampling Date: 2/29/12 Sampling Time: 1430 Depth to Water: 4.84

Sample I.D.: MW-3 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120229-DR1	Client: Arcadis
Sampler: DR	Date: 2/29/12
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 16.69	Depth to Water (DTW): 3.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.47	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

2.0 (Gals.) X 3 = 6.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1133	17.5	8.21	1672	>1000	2.0	odor / sheen
1136	17.7	7.56	1690	>1000	4.0	" / "
1139	17.8	7.54	1692	>1000	6.0	" / "

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 2/29/12 Sampling Time: 1145 Depth to Water: 3.97

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120229-DR1	Client: Arcadis
Sampler: DR	Date: 2/29/12
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): ~~12.22~~ DR 12.22	Depth to Water (DTW): 3.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.35	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: ____

1.4 (Gals.) X 3 (Specified Volumes) = 4.2 Gals. (Calculated Volume)
1 Case Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1232	16.3	7.25	7842	174	1.4	Yellow color
1236	16.9	7.06	9126	208	2.8	"
1240	16.9	7.04	9174	427	4.2	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.2

Sampling Date: 2/29/12 Sampling Time: 1440 Depth to Water: 8.84 (2hr.)

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120279-DR1	Client: Arcadis
Sampler: DR	Date: 2/29/12
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.20	Depth to Water (DTW): 5.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.42	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

1.2 (Gals.) X 3 = 3.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1204	18.3	7.01	8794K	149	1.2	cloudy
1206	18.5	6.79	21.29	307	2.4	"
1208	18.6	6.77	21.44	767	3.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Date: 2/29/12 Sampling Time: 1410 Depth to Water: 11.02 (2hr)

Sample I.D.: MW-9 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120229-DR1	Client: Arcadis
Sampler: DR	Date: 2/29/12
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.19	Depth to Water (DTW): 8.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.09	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

0.6 (Gals.) X	3	=	1.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1025	17.2	6.99	9179	102	0.6	Yellow color
1027	17.5	7.03	8202	211	1.2	"
1029	17.5	7.02	8204	329	1.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Date: 2/29/12 Sampling Time: 1035 Depth to Water: 8.91

Sample I.D.: MW-10 ~~MW-10 (post GAC)~~ Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120229-DR1	Client: Arcadis
Sampler: DR	Date: 2/29/12
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.45	Depth to Water (DTW): 5.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.20	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

1.0 (Gals.) X 3 = 3.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1054	16.5	7.33	6702	294	1.0	cloudy
1056	16.7	7.25	7174	>1000	2.0	"
1058	16.7	7.24	7183	>1000	3.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Date: 2/29/12 Sampling Time: 1300 Depth to Water: 9.02 (2hr.)

Sample I.D.: MW-11 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W[illegible]L MONITORING DATA SHE

Project #: 120229-DR1	Client: Arcadis
Sampler: DR (BP)	Date: 2/29/12
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth (TD): 18.05	Depth to Water (DTW): 7.54
Depth to Free Product: 7.46	Thickness of Free Product (feet): 0.08
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.64	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; ~~Electric Submersible~~; Waterra Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Dedicated Tubing; Other: _____

15.4 (Gals.) X 3 = 46.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1140	Emptied	skimmer	appx 40 mL SPH &	50 mL H2O		odor, yellowish brown
1150	Bailed	appx	120mL SPH	& 1.5 Gal	H2O	brown, cloudy
1217	18.3	6.55	5894	155	15.5	grey at first odor sheen
1219	Well Dewatered @		21.0 Gals			DTW: 16.05
1420	18.2	6.60	5927	29	—	

Did well dewater? (Yes) No Gallons actually evacuated: 21.0

Sampling Date: 2/29/12 Sampling Time: 1420 Depth to Water: 10.22 (2hr.)

Sample I.D.: OW-1 Laboratory: Kiff CalScience Other (TA-SF)

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: See CoC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Arcadis @ UBS Oakland	PROJECT NUMBER	120229-DR1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
Myron L Ultrameter	62124416	2/29/12 0630	7.0 10.0 4.0 3900	7.01 9.99 4.01 3901	Y	14.2	DR
Hach Turbidimeter	08c7ac31444	2/29/12 0645	560 55 5.7	559 54 5	Y	—	DR
Myron L Ultrameter	6095 49	2/29/12 @ 1200	7.00, 10.00, 4.00 cond 3900 µs	7.02, 10.04, 3.97 cond 3897 µs	yes	14.7°C	BP
Hach turbidimeter	08 070C03171	2/29/12 @ 1206	0.1, 20, 100 800 NTU	0, 21, 106 812 NTUs	yes	—	BP

ARCADIS

Appendix B

UPS – Oakland Hub
Disposal manifests

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	CAD097075 09	1	(877) 818-0087	ZZ 00273577

5. Generator's Name and Mailing Address
UPS OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CA 94621

Generator's Site Address (if different than mailing address)
SAME

Generator's Phone: 770 428-9009

6. Transporter 1 Company Name
VEOLIA ES TECHNICAL SOLUTIONS

U.S. EPA ID Number
NJD 0 8 0 6 3 1 3 8 9

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS,
1704 W. FIRST STREET
AZUSA, CA 91702

U.S. EPA ID Number
CAD 0 0 8 3 0 2 9 0 3

Facility's Phone: 626 334-5117

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-DOT REGULATED MATERIAL, (NON HAZARDOUS CONTACT WATER)	002	DM	00800	P	NONE
	2. NON-DOT REGULATED MATERIAL, (SOIL)	008	DM	05600	P	NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Michael A Calco
Signature:
Month: 03 Day: 01 Year: 12

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: David E. Huffman
Signature:
Month: 03 Day: 01 Year: 12

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

Activity Report

JOB NO: 1550722000 WO NO: 1550722000
BILL DOC NO FC79699289
GENERATOR NO 586067 EPA ID: CAD09707509

BILL TO: ARCADIS US INC
ACCOUNTS PAYABLE
630 PLAZA DR. SUITE 600
HIGHLANDS RANCH, CO 80129
(732) 661-3827

JOB SITE: UPS OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CA 94621
(770) 428-9009

CONTACT: ADRIANA SANCHEZ

CONTACT: JENNIFER HALCOMB-LEBEAU

MANIFEST NUMBER(S):
ZZ00273577

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		03/01/2012	C40

DESCRIPTION	# CONT.	CONT./CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00273577 WIP 251208 / Approval AZU-BSLSOIL(NS) NON HAZARDOUS SOIL	8	551A2-DM	5600	P	1 / 2	
Manifest # ZZ00273577 WIP 251211 / Approval AZU-USFLEANWATR NON HAZARDOUS CONTACT WATER	2	551A2-DM	800	P	1 / 1	
03/01/2012 Manpwr.- SERVICE VEHICLE CHARGE		1317	1@1	EACH		
03/01/2012 Misc. - ENERGY & SECURITY SURCHARGE		3129	1	PERCNT		
03/01/2012 Mtrl. - 551A2 - 55 GAL DOT 17H DRUM RECONDITIONED Material provided for manifest ZZ00273577		3354	2	EACH		

Total Hours: 0
# of Containers: 10
Total Pounds: 6400

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

Activity Report

JOB NO: 1550722000 WO NO: 1550722000
BILL DOC NO FC79699289
GENERATOR NO 586067 EPA ID: CAD09707509

BILL TO: ARCADIS US INC
ACCOUNTS PAYABLE
630 PLAZA DR. SUITE 600
HIGHLANDS RANCH, CO 80129
(732) 661-3827

CONTACT: ADRIANA SANCHEZ

JOB SITE: UPS OAKLAND HUB
8400 PARDEE DRIVE
OAKLAND, CA 94621
(770) 428-9009

CONTACT: JENNIFER HALCOMB-LEBEAU

MANIFEST NUMBER(S):
2200273577

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		03/01/2012	C40

Comments:

By:

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

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Appendix C

UPS – Oakland Hub
SOS® Passive Skimmer specifications

SOS® Passive Skimmers

For Low Recovery Wells

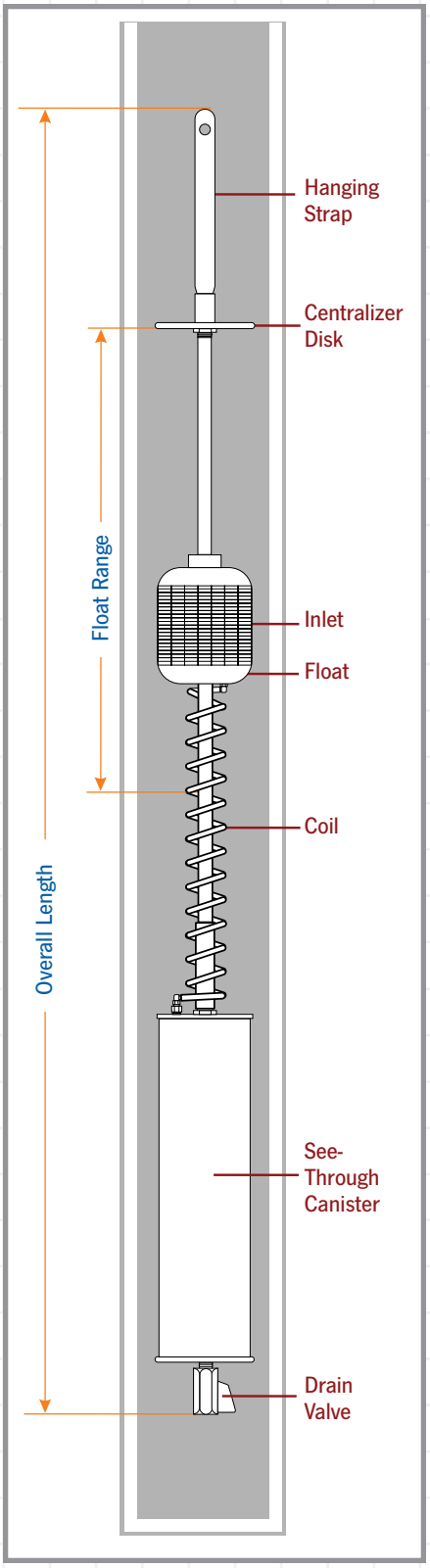
The QED family of Passive Skimmers has been designed for free product recovery applications in sites where active pumping systems are not applicable due to existing conditions or extreme low permeability formations. The floating intake head follows the groundwater fluctuations in the recovery well, allowing only the free-floating phase (LNAPL) to be captured, without taking water, and stored in the built-in reservoir for further manual transfer to a tank.

Passive Skimmers are available for 2" (50 mm) and 4" (100 mm) extraction wells, with different reservoir capacities.

Advantages

1. **Simple systems for extreme low recovery applications.**
2. **Inexpensive option if active system is not practical.**

SOS® Passive Skimmers



Specifications

Model No.	2 in. SOS 301079	2 in. SOS 301080	4 in. SOS 301032	4 in. SOS 301033
Canister Volume	20 oz. (600 cc)	30 oz. (900 cc)	101 oz. (3,000 cc)	203 oz. (6,000 cc)
Well Diameter	2 in. (5 cm)	2 in. (5 cm)	4 in. (10 cm)	4 in. (10 cm))
Float Travel Range	12 in. (30 cm)	12 in. (30 cm)	18 in. (46 cm)	18 in. (46 cm)
Overall Length	65 in. (165 cm)	48 in. (122 cm)	119 in. (302 cm)	11 in. (28 cm)

LNAPL Fluid Density	< 1.0 SG
Kinematic Viscosity @ 50 ˚F (10 ˚C)	200 centistokes
Recommended Initial LNAPL Layer	> .25 in. (> .64 cm)
Residual LNAPL Layer	0.25 in. (.64 cm)
Suitable Types of LNAPL	Gasoline, jet fuel
Materials	Stainless steel, Viton®, PVC, brass, closed cell foam.

Viton is registered trademark of DuPont Dow Elastomers.

Characterize Your Specific Site

The QED Test Kit enables you to measure the density and viscosity of your actual floating hydrocarbon layer. This FREE, do-it-yourself kit comes complete with simple, illustrated instructions. Once you have recorded the results of your hydrocarbon test, QED application specialists will be able to provide expert technical assistance in system design and specification.

P.O. Box 3726 Ann Arbor, MI 48106 USA **800-624-2026** **F 734-995-1170** info@qedenv.com www.qedenv.com

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Appendix D

UPS – Oakland Hub
Laboratory Analytical Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

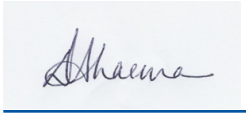
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-40684-1
Client Project/Site: UPS-Oakland

For:
ARCADIS U.S. Inc
1000 Cobb Place Blvd NW
Suite 500-A
Kennesaw, Georgia 30144

Attn: Ms. Jennifer LeBeau



Authorized for release by:
3/7/2012 4:40:01 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

Table of Contents

Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Job ID: 720-40684-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative
720-40684-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method 8260B: The following sample was diluted due to the abundance of non-target analytes: OW-1 (720-40684-6). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8015B: Due to the level of dilution required for the following sample, surrogate recoveries are not reported: MW-2 (720-40684-7), OW-1 (720-40684-6), MW-3 (720-40684-8).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-10 — Lab Sample ID: 720-40684-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	170		51		ug/L	1		8015B	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 720-40684-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	150		50		ug/L	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	12000		160		ug/L	3		8015B	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 720-40684-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.53		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	1200		51		ug/L	1		8015B	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 720-40684-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	160		51		ug/L	1		8015B	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 720-40684-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	120		50		ug/L	1		8015B	Total/NA

Client Sample ID: OW-1 — Lab Sample ID: 720-40684-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	1200		500		ug/L	10		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	27000		500		ug/L	10		8015B	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 720-40684-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.0		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Toluene	0.52		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	1.7		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	510		50		ug/L	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	13000		260		ug/L	5		8015B	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 720-40684-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.1		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	1.3		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	520		50		ug/L	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	13000		500		ug/L	10		8015B	Total/NA

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-10
Date Collected: 02/29/12 10:35
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-1
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 01:16	1
Benzene	ND		0.50		ug/L			03/07/12 01:16	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 01:16	1
Naphthalene	ND		1.0		ug/L			03/07/12 01:16	1
Toluene	ND		0.50		ug/L			03/07/12 01:16	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 01:16	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/07/12 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*03/07/12 01:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 138*		*03/07/12 01:16*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/07/12 01:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**170**		51		ug/L		03/01/12 14:07	03/02/12 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*72*		*23 - 156*	*03/01/12 14:07*	*03/02/12 14:29*	*1*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-4
Date Collected: 02/29/12 11:45
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-2
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 01:45	1
Benzene	ND		0.50		ug/L			03/07/12 01:45	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 01:45	1
Naphthalene	ND		1.0		ug/L			03/07/12 01:45	1
Toluene	ND		0.50		ug/L			03/07/12 01:45	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 01:45	1
Gasoline Range Organics (GRO) -C5-C12	**150**		50		ug/L			03/07/12 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*03/07/12 01:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*03/07/12 01:45*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/07/12 01:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12000**		160		ug/L		03/01/12 14:07	03/03/12 16:43	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*32*		*23 - 156*	*03/01/12 14:07*	*03/03/12 16:43*	*3*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-11
Date Collected: 02/29/12 13:00
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-3
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 02:14	1
Benzene	**0.53**		0.50		ug/L			03/07/12 02:14	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 02:14	1
Naphthalene	ND		1.0		ug/L			03/07/12 02:14	1
Toluene	ND		0.50		ug/L			03/07/12 02:14	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 02:14	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/07/12 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*67 - 130*		*03/07/12 02:14*	*1*
4-Bromofluorobenzene	*95*		*67 - 130*		*03/07/12 10:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*03/07/12 02:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*75 - 138*		*03/07/12 10:38*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/07/12 02:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/07/12 10:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1200**		51		ug/L		03/01/12 14:07	03/03/12 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*60*		*23 - 156*	*03/01/12 14:07*	*03/03/12 17:30*	*1*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-9
Date Collected: 02/29/12 14:10
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-4
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 02:42	1
Benzene	ND		0.50		ug/L			03/07/12 02:42	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 02:42	1
Naphthalene	ND		1.0		ug/L			03/07/12 02:42	1
Toluene	ND		0.50		ug/L			03/07/12 02:42	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 02:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/07/12 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*03/07/12 02:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 138*		*03/07/12 02:42*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/07/12 02:42*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**160**		51		ug/L		03/01/12 14:07	03/02/12 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*59*		*23 - 156*	*03/01/12 14:07*	*03/02/12 15:40*	*1*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-8
Date Collected: 02/29/12 14:40
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-5
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 03:11	1
Benzene	ND		0.50		ug/L			03/07/12 03:11	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 03:11	1
Naphthalene	ND		1.0		ug/L			03/07/12 03:11	1
Toluene	ND		0.50		ug/L			03/07/12 03:11	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 03:11	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/07/12 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*03/07/12 03:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 138*		*03/07/12 03:11*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/07/12 03:11*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**120**		50		ug/L		03/01/12 14:07	03/02/12 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*59*		*23 - 156*	*03/01/12 14:07*	*03/02/12 16:03*	*1*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: OW-1
Date Collected: 02/29/12 14:20
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-6
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/L			03/07/12 03:40	10
Benzene	ND		5.0		ug/L			03/07/12 03:40	10
Ethylbenzene	ND		5.0		ug/L			03/07/12 03:40	10
Naphthalene	ND		10		ug/L			03/07/12 03:40	10
Toluene	ND		5.0		ug/L			03/07/12 03:40	10
Xylenes, Total	ND		10		ug/L			03/07/12 03:40	10
Gasoline Range Organics (GRO) -C5-C12	**1200**		500		ug/L			03/07/12 03:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*03/07/12 03:40*	*10*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*03/07/12 03:40*	*10*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/07/12 03:40*	*10*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**27000**		500		ug/L		03/01/12 14:07	03/03/12 17:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*D X*	*23 - 156*	*03/01/12 14:07*	*03/03/12 17:06*	*10*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-2
Date Collected: 02/29/12 15:05
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-7
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/05/12 14:01	1
Benzene	ND		0.50		ug/L			03/05/12 14:01	1
Ethylbenzene	ND		0.50		ug/L			03/05/12 14:01	1
Naphthalene	**2.0**		1.0		ug/L			03/05/12 14:01	1
Toluene	**0.52**		0.50		ug/L			03/05/12 14:01	1
Xylenes, Total	**1.7**		1.0		ug/L			03/05/12 14:01	1
Gasoline Range Organics (GRO) -C5-C12	**510**		50		ug/L			03/05/12 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*03/05/12 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*		*03/05/12 14:01*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/05/12 14:01*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13000**		260		ug/L		03/01/12 14:07	03/03/12 17:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*D X*	*23 - 156*	*03/01/12 14:07*	*03/03/12 17:53*	*5*

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-3
Date Collected: 02/29/12 14:30
Date Received: 02/29/12 20:07

Lab Sample ID: 720-40684-8
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/05/12 14:30	1
Benzene	ND		0.50		ug/L			03/05/12 14:30	1
Ethylbenzene	ND		0.50		ug/L			03/05/12 14:30	1
Naphthalene	**2.1**		1.0		ug/L			03/05/12 14:30	1
Toluene	ND		0.50		ug/L			03/05/12 14:30	1
Xylenes, Total	**1.3**		1.0		ug/L			03/05/12 14:30	1
Gasoline Range Organics (GRO) -C5-C12	**520**		50		ug/L			03/05/12 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*03/05/12 14:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*		*03/05/12 14:30*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/05/12 14:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13000**		500		ug/L		03/01/12 14:07	03/05/12 13:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*D X*	*23 - 156*	*03/01/12 14:07*	*03/05/12 13:26*	*10*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-109103/5
Matrix: Water
Analysis Batch: 109103

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/05/12 08:56	1
Benzene	ND		0.50		ug/L			03/05/12 08:56	1
Ethylbenzene	ND		0.50		ug/L			03/05/12 08:56	1
Naphthalene	ND		1.0		ug/L			03/05/12 08:56	1
Toluene	ND		0.50		ug/L			03/05/12 08:56	1
Xylenes, Total	ND		1.0		ug/L			03/05/12 08:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/05/12 08:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*03/05/12 08:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*03/05/12 08:56*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/05/12 08:56*	*1*

Lab Sample ID: LCS 720-109103/6
Matrix: Water
Analysis Batch: 109103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	29.7		ug/L		119	62 - 130
Benzene	25.0	26.5		ug/L		106	79 - 130
Ethylbenzene	25.0	26.5		ug/L		106	80 - 120
Naphthalene	25.0	28.7		ug/L		115	70 - 130
Toluene	25.0	25.7		ug/L		103	78 - 120
m-Xylene & p-Xylene	50.0	53.5		ug/L		107	70 - 142
o-Xylene	25.0	27.4		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-109103/8
Matrix: Water
Analysis Batch: 109103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	553		ug/L		111	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-109103/7
Matrix: Water
Analysis Batch: 109103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			25.0	30.0		ug/L		120	62 - 130	1	20
Benzene			25.0	26.9		ug/L		108	79 - 130	1	20
Ethylbenzene			25.0	27.0		ug/L		108	80 - 120	2	20
Naphthalene			25.0	29.7		ug/L		119	70 - 130	3	20
Toluene			25.0	26.4		ug/L		106	78 - 120	3	20
m-Xylene & p-Xylene			50.0	54.7		ug/L		109	70 - 142	2	20
o-Xylene			25.0	28.1		ug/L		112	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-109103/9
Matrix: Water
Analysis Batch: 109103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	511		ug/L		102	62 - 120	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 720-109219/4
Matrix: Water
Analysis Batch: 109219

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/06/12 17:02	1
Benzene	ND		0.50		ug/L			03/06/12 17:02	1
Ethylbenzene	ND		0.50		ug/L			03/06/12 17:02	1
Naphthalene	ND		1.0		ug/L			03/06/12 17:02	1
Toluene	ND		0.50		ug/L			03/06/12 17:02	1
Xylenes, Total	ND		1.0		ug/L			03/06/12 17:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/06/12 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*03/06/12 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*03/06/12 17:02*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/06/12 17:02*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-109219/5
Matrix: Water
Analysis Batch: 109219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	30.6		ug/L		122	62 - 130
Benzene	25.0	27.2		ug/L		109	79 - 130
Ethylbenzene	25.0	27.0		ug/L		108	80 - 120
Naphthalene	25.0	29.2		ug/L		117	70 - 130
Toluene	25.0	26.4		ug/L		106	78 - 120
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 142
o-Xylene	25.0	28.2		ug/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-109219/7
Matrix: Water
Analysis Batch: 109219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	492		ug/L		98	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-109219/6
Matrix: Water
Analysis Batch: 109219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	31.5		ug/L		126	62 - 130	3	20
Benzene	25.0	27.4		ug/L		110	79 - 130	1	20
Ethylbenzene	25.0	27.2		ug/L		109	80 - 120	1	20
Naphthalene	25.0	31.0		ug/L		124	70 - 130	6	20
Toluene	25.0	26.6		ug/L		106	78 - 120	1	20
m-Xylene & p-Xylene	50.0	55.2		ug/L		110	70 - 142	1	20
o-Xylene	25.0	28.8		ug/L		115	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-109219/8
Matrix: Water
Analysis Batch: 109219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	486		ug/L		97	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 720-109259/4
Matrix: Water
Analysis Batch: 109259

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/07/12 08:14	1
Benzene	ND		0.50		ug/L			03/07/12 08:14	1
Ethylbenzene	ND		0.50		ug/L			03/07/12 08:14	1
Naphthalene	ND		1.0		ug/L			03/07/12 08:14	1
Toluene	ND		0.50		ug/L			03/07/12 08:14	1
Xylenes, Total	ND		1.0		ug/L			03/07/12 08:14	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/07/12 08:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*03/07/12 08:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*78*		*75 - 138*		*03/07/12 08:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/07/12 08:14*	*1*

Lab Sample ID: LCS 720-109259/7
Matrix: Water
Analysis Batch: 109259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12			500	534		ug/L		107	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-109259/8
Matrix: Water
Analysis Batch: 109259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	489		ug/L		98	62 - 120	9	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-109259/8
Matrix: Water
Analysis Batch: 109259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-108950/1-A
Matrix: Water
Analysis Batch: 108996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 108950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/01/12 14:07	03/02/12 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*63*		*23 - 156*	*03/01/12 14:07*	*03/02/12 10:58*	*1*

Lab Sample ID: LCS 720-108950/2-A
Matrix: Water
Analysis Batch: 108996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 108950

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1840		ug/L		74	40 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*114*		*23 - 156*

Lab Sample ID: LCSD 720-108950/3-A
Matrix: Water
Analysis Batch: 108996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 108950

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1790		ug/L		72	40 - 150	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*117*		*23 - 156*

GC/MS VOA

Analysis Batch: 109103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-7	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-8	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-109103/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-109103/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-109103/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-109103/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-109103/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 109219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-1	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-2	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-3	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-4	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-5	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-40684-6	OW-1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-109219/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-109219/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-109219/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-109219/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-109219/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 109259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-3	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-109259/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-109259/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-109259/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Prep Batch: 108950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-1	MW-10	Total/NA	Water	3510C	
720-40684-2	MW-4	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 108950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-3	MW-11	Total/NA	Water	3510C	
720-40684-4	MW-9	Total/NA	Water	3510C	
720-40684-5	MW-8	Total/NA	Water	3510C	
720-40684-6	OW-1	Total/NA	Water	3510C	
720-40684-7	MW-2	Total/NA	Water	3510C	
720-40684-8	MW-3	Total/NA	Water	3510C	
LCS 720-108950/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-108950/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-108950/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 108996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-1	MW-10	Total/NA	Water	8015B	108950
720-40684-4	MW-9	Total/NA	Water	8015B	108950
720-40684-5	MW-8	Total/NA	Water	8015B	108950
LCS 720-108950/2-A	Lab Control Sample	Total/NA	Water	8015B	108950
LCSD 720-108950/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	108950
MB 720-108950/1-A	Method Blank	Total/NA	Water	8015B	108950

Analysis Batch: 109091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-2	MW-4	Total/NA	Water	8015B	108950
720-40684-3	MW-11	Total/NA	Water	8015B	108950
720-40684-6	OW-1	Total/NA	Water	8015B	108950
720-40684-7	MW-2	Total/NA	Water	8015B	108950

Analysis Batch: 109108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-40684-8	MW-3	Total/NA	Water	8015B	108950

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: MW-10

Lab Sample ID: 720-40684-1

Date Collected: 02/29/12 10:35

Matrix: Water

Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109219	03/07/12 01:16	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		1	108996	03/02/12 14:29	JZ	TAL SF

Client Sample ID: MW-4

Lab Sample ID: 720-40684-2

Date Collected: 02/29/12 11:45

Matrix: Water

Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109219	03/07/12 01:45	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		3	109091	03/03/12 16:43	JZ	TAL SF

Client Sample ID: MW-11

Lab Sample ID: 720-40684-3

Date Collected: 02/29/12 13:00

Matrix: Water

Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109219	03/07/12 02:14	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	109259	03/07/12 10:38	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		1	109091	03/03/12 17:30	JZ	TAL SF

Client Sample ID: MW-9

Lab Sample ID: 720-40684-4

Date Collected: 02/29/12 14:10

Matrix: Water

Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109219	03/07/12 02:42	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		1	108996	03/02/12 15:40	JZ	TAL SF

Client Sample ID: MW-8

Lab Sample ID: 720-40684-5

Date Collected: 02/29/12 14:40

Matrix: Water

Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109219	03/07/12 03:11	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		1	108996	03/02/12 16:03	JZ	TAL SF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Client Sample ID: OW-1

Lab Sample ID: 720-40684-6

Date Collected: 02/29/12 14:20
Matrix: Water
Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	109219	03/07/12 03:40	AC	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		10	109091	03/03/12 17:06	JZ	TAL SF

Client Sample ID: MW-2

Lab Sample ID: 720-40684-7

Date Collected: 02/29/12 15:05
Matrix: Water
Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109103	03/05/12 14:01	DH	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		5	109091	03/03/12 17:53	JZ	TAL SF

Client Sample ID: MW-3

Lab Sample ID: 720-40684-8

Date Collected: 02/29/12 14:30
Matrix: Water
Date Received: 02/29/12 20:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	109103	03/05/12 14:30	DH	TAL SF
Total/NA	Prep	3510C			108950	03/01/12 14:07	RU	TAL SF
Total/NA	Analysis	8015B		10	109108	03/05/12 13:26	JZ	TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: UPS-Oakland

TestAmerica Job ID: 720-40684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-40684-1	MW-10	Water	02/29/12 10:35	02/29/12 20:07
720-40684-2	MW-4	Water	02/29/12 11:45	02/29/12 20:07
720-40684-3	MW-11	Water	02/29/12 13:00	02/29/12 20:07
720-40684-4	MW-9	Water	02/29/12 14:10	02/29/12 20:07
720-40684-5	MW-8	Water	02/29/12 14:40	02/29/12 20:07
720-40684-6	OW-1	Water	02/29/12 14:20	02/29/12 20:07
720-40684-7	MW-2	Water	02/29/12 15:05	02/29/12 20:07
720-40684-8	MW-3	Water	02/29/12 14:30	02/29/12 20:07

720.40684

1 of 1

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS # 120229-DR1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF 1210852 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice and Report to : Arcadis U.S., Inc.
Attn: Hugh Devery hugh.devery@arcadis-us.com
770-428-9009

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	CONTAINERS	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-Gro, BTEX, MTBE (8260)	CONDUCT ANALYSIS TO DETECT: TPH-D (8015)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-10	2/29/12	1035	W	5	3 HCL Voas 2 NP ambers		X	X				
MW-4		1145	W	5			X	X				
MW-11		1300	W	5			X	X				
MW-9		1410	W	5			X	X				
MW-8		1440	W	5			X	X				
OW-1		1420	W	5			X	X				
MW-2		1505	W	5			X	X				
MW-3		1430	W	5			X	X				

SAMPLING COMPLETED DATE 2/29/12 TIME 1515
SAMPLING PERFORMED BY D. Rayna / B. Purcell

RESULTS NEEDED NO LATER THAN Standard TAT

	DATE	TIME		DATE	TIME
RELEASED BY	2/29/12	1600	RECEIVED BY (Sample custodian)	2/29/12	1605
RELEASED BY	2/29/12	1805	RECEIVED BY Billy L. Lemm	2/29/12	1605
RELEASED BY Billy L. Lemm	2/29/12	1725	RECEIVED BY	2-29-12	1725

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

3.0, 4.5, 3.5, 5.5°

3/7/2012

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-40684-1

Login Number: 40684

List Source: TestAmerica San Francisco

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background		
The cooler's custody seal, if present, is intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the sample IDs on the containers and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		