55 Glenlake Parkway, NE
Atlanta, GA 30328-3474

Mr. Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject:
Second Semiannual 2014 Groundwater Monitoring Report
UPS Oakland Hub
8400 Pardee Drive, Oakland, CA 94621
Global ID #T0600100939
State ID #583
EPA ID #CAD 09707509

Dear Mr. Nowell:

Attached please find the Second Semiannual 2014 Groundwater Monitoring Report for the above-referenced site. The report, which was prepared for United Parcel Service by ARCADIS U.S., Inc., presents the results of the semiannual groundwater monitoring event that was performed at the site in August 2014.

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

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

Sincerely,

United Parcel Service

Paul Harper
Remediation and Assessment Manager

Enclosure

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ENVIRONMENT

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Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

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UPS Oakland Hub
8400 Pardee Drive, Oakland, CA 94621
Global ID #T0600100939
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EPA ID #CAD 09707509

Date:
September 26, 2014

Contact:
Gregory Albright

Phone:
609.366.9067

Email:
gregory.albright@arcadis-us.com

Our ref:
B0038398.0013

Dear Mr. Nowell:

On behalf of United Parcel Service (UPS), ARCADIS U.S., Inc. (ARCADIS) is pleased to submit this Second Semiannual 2014 Groundwater Monitoring Report, which documents the groundwater monitoring event performed in August 2014 at the UPS Oakland Hub, located at 8400 Pardee Drive, Oakland, Alameda County, California (site). A Site Location Map, Facility Layout Map, and Site Map are included as **Figures 1**, **2**, and **3**, respectively.

Background

Historical aerial photographs from 1937 to the present indicate that the site, which UPS leases from the Port of Oakland, was originally a tidal marsh. In 1968, the site and site vicinity were raised above mean sea level (amsl) with suspected imported fill and graded. This artificial fill has been documented in both the northern and southern former fueling areas, at depths ranging from 2 to 10 feet (ft). Currently, the grade at the site is approximately 10 ft amsl. The site is located on a narrow peninsula south of San Leandro Bay.

Review of the aerial photographs indicates that no structures existed on the site until 1975, when the current UPS facility was constructed. The southern former fueling area (current release area) is visible on the photographs from 1985. Detailed historical information since 1985 has been provided in previous reports.

The site is used as an active package distribution facility with vehicle maintenance. The area around the site is characterized by medium to heavy industrial use and includes the nearby Oakland International Airport.

In 2010, multiple soil and groundwater investigation activities were performed at the site, including high-vacuum extraction (HVE) events, a preferential pathway study, a well survey, and soil and groundwater sampling. These activities were documented in the Summary of Soil and Groundwater Investigation Activities Report, dated February 15, 2011 (ARCADIS 2011a), which was submitted to the Alameda County Department of Environmental Health (ACDEH). This report was updated in 2012 (Revised Summary of Soil and Groundwater Investigation Activities Report [ARCADIS 2012]) to include information regarding newly installed monitoring and injection wells at the site.

In 2011, ARCADIS submitted a Corrective Action Plan (CAP) (ARCADIS 2011b) to address residual soil and groundwater impacts in the immediate area of the former diesel underground storage tanks (USTs). The proposed corrective action was the installation of injection wells and the implementation of injection events to reduce concentrations of constituents of concern (COCs) to levels protective of both human health and the environment, as specified in the State Water Resources Control Board's (SWRCB's) Low-Threat Underground Storage Tank Case Closure Policy adopted by SWRCB on May 1, 2012, and effective August 17, 2012 (SWRCB 2012). A risk assessment report will be submitted to ACDEH when the levels stated in this policy are achieved.

In 2013, semiannual groundwater monitoring continued as outlined in the CAP. HVE events were conducted in February, April, and May 2013 to extract groundwater and free product from monitoring wells MW-12 and MW-13 and injection wells IW-1 through IW-3.

2014 Groundwater Monitoring and Laboratory Analysis

During the second semiannual groundwater monitoring event, which was conducted on August 29, 2014, the depth to free product (DTP), if present, and depth to water (DTW) were measured in the monitoring and injection wells. Groundwater samples were collected for laboratory analysis from monitoring wells MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, MW-13, and MW-14 and injection wells IW-2, IW-3, IW-4, IW-5, and IW-6. Groundwater samples were not collected from monitoring wells MW-2, MW-12, and OW-1 and injection well IW-1 due to the presence of free product.

During low-flow purging of the wells, groundwater parameters (pH, temperature, turbidity, and conductivity) were monitored to evaluate stabilization. Samples were collected when groundwater parameters varied less than ±10 percent (**Appendix A**).

Groundwater samples collected during the August 2014 monitoring event were analyzed for the following COCs:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), methyl tertiary-butyl ether (MTBE), and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260
- Total petroleum hydrocarbons-diesel range organics (TPH-DRO) with silica gel cleanup by USEPA Method 8015B
- TPH-gasoline range organics (TPH-GRO) by USEPA Method 8260B/California Leaking Underground Fuel Tank
- Polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8270
- 1,2-dichloroethane (1,2-DCA) by USEPA Method 8260
- Ethylene dibromide (EDB) by USEPA Method 8260

Analyses were conducted by TestAmerica Laboratories, Inc., in Pleasanton, California, an analytical laboratory certified by the California Department of Health Services for environmental analyses. Additional analyses of specific conductivity (field analysis), methane, nitrate as nitrogen, magnesium, sulfate, sulfide, iron, and total dissolved solids (TDS) were conducted.

Purge water was contained in Department of Transportation-approved drums for subsequent disposal.

Water Levels

The DTP, if present, and the DTW in each well were gauged on August 29, 2014, prior to purging and groundwater sample collection. Groundwater elevations during the August 2014 monitoring event ranged from 1.38 ft amsl in monitoring well MW-10 to 8.25 ft amsl in monitoring well MW-9.

Historical groundwater gauging and elevation data are presented in **Table 1**. A groundwater contour map was prepared using the August 2014 groundwater elevation data and is presented as **Figure 4**. The direction of groundwater flow was generally to the southeast during the August 2014 monitoring event, which is consistent with historical groundwater flow at the site.

SOS® Passive Skimmers were installed in observation well OW-1 and monitoring wells MW-2 and MW-3 in April 2011. The monthly skimmer free product recovery data collected from June 2011 to August 2014 are presented in **Table 1**, which also includes the historical records of free product thickness and volume recovered since 1990. The skimmers are operating effectively, and free product has been recovered on a consistent basis.

During the August 29, 2014 monitoring event, free product was observed in monitoring wells MW-2 and MW-12, observation well OW-1, and injection well IW-1. Free product was removed from monitoring well MW-12 and injection well IW-1 using disposable bailers, and from observation well OW-1 via passive skimmer. A total of 151 milliliters (mL) of free product were removed from monitoring well MW-12, 5 mL were removed from observation well OW-1, and 85 mL were removed from injection well IW-1. Free product was observed in monitoring well MW-2 (free product thickness of 0.02 feet); however, the skimmer contained 0 mL of free product and 5 mL of water.

As of August 29, 2014, approximately 9.06 gallons of free product had been removed from the site. Approximately 2.05 gallons were removed prior to installation of the skimmers, 4.31 gallons have been removed since the skimmers were installed, and an additional 2.72 gallons have been removed from the wells that do not contain skimmers. The specifications for the SOS® Passive Skimmers are presented in **Appendix B**.

Groundwater Quality

During the August 2014 monitoring event, groundwater samples were collected from monitoring wells MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, MW-13, and MW-14 and injection wells IW-2, IW-3, IW-4, IW-5, and IW-6.

Historical groundwater analytical data are presented in **Table 2**. Groundwater data for the August 2014 monitoring event are presented on **Figure 5**. Laboratory analytical results and chain-of-custody documentation for the August 2014 monitoring event are provided in **Appendix C**.

Contaminant Data

The laboratory analytical results from the August 2014 groundwater monitoring event are as follows:

- BTEX and MTBE were not detected above the laboratory reporting limits in the wells that were sampled.

- TPH-GRO was detected above the California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region environmental screening level (ESL) for drinking water of 100 micrograms per liter (µg/L) and for non-drinking water of 210 µg/L in monitoring well MW-4 (430 µg/L) and injection wells IW-2 (490 µg/L), IW-4 (2,500 µg/L), and IW-5 (1,600 µg/L). To properly analyze the groundwater sample from monitoring well MW-3, the laboratory had to dilute the sample. As a result, the MW-3 sample reporting limit for TPH-GRO was 500 µg/L, above the RWQCB ESL for drinking water and for non-drinking water.

- TPH-DRO was detected above the RWQCB ESL for drinking water of 100 µg/L in monitoring wells MW-3 (2,800 µg/L), MW-4 (7,300 µg/L), and MW-11 (150 µg/L) and injection wells IW-2 (7,500 µg/L), IW-3 (160 µg/L), IW-4 (46,000 µg/L), IW-5 (86,000 µg/L), and IW-6 (1,200 µg/L). TPH-DRO also exceeded the non-drinking water RWQCB ESL of 210 µg/L in monitoring wells MW-3 and MW-4 and injection wells IW-2, IW-4, IW-5, and IW-6.

Biogeochemical Indicator Parameter Data

Aquifers impacted by petroleum hydrocarbons are typically anaerobic because dissolved oxygen (DO) is energetically favorable, and is preferentially consumed by indigenous microbes during aerobic oxidation of the petroleum hydrocarbons, serving as an electron donor in the microbial metabolism reactions. Following the depletion of oxygen, alternative electron acceptors (i.e., nitrate, iron, manganese, sulfate, and carbon dioxide) are used in the continued oxidation of petroleum hydrocarbons. The anaerobic oxidation of petroleum hydrocarbons under various dominant electron-accepting processes (e.g., sulfate-reducing, iron-reducing, methanogenesis, etc.) is well founded in the literature (Finneran and Lovley 2001; Aronson and Howard 1997; Beller et al. 1992).

Anaerobic processes generally occur at slower kinetic rates than that observed with oxygen. Non-oxygen electron acceptors can be advantageous to oxygen because they can be highly soluble, can be supplied at elevated dissolved concentrations, and have minimal abiotic or non-target reactions that typically limit oxygen persistence in the subsurface. For example, the higher concentrations of sulfate that can be maintained in a petroleum hydrocarbon-impacted aquifer accompanied by electron acceptor persistence allows for effective hydrocarbon degradation. Comparatively, active oxygen sparging approaches are fundamentally limited by low oxygen solubility in groundwater and gas transfer inefficiencies that limit the effective DO

concentrations typically maintained in engineered aerobic reactive zones. While the kinetic rates of anaerobic oxidation may be slower than aerobic oxidation, a natural attenuation approach relying on anaerobic processes can be cost-effective for addressing petroleum hydrocarbons.

The laboratory analytical results from the August 2014 groundwater monitoring event for the biogeochemical indicator parameters are as follows:

- Nitrate as nitrogen in all sampled wells was below the laboratory reporting limit. Groundwater at the site has been analyzed for nitrate since August 2012, and all samples submitted to the laboratory for nitrate analysis have been below the laboratory reporting limit, except for injection well IW-4 during the February 2014 event. Given the elevated concentrations of hydrocarbons and the strong anaerobic conditions at the site, low nitrate concentrations would be expected. After oxygen, nitrate is a thermodynamically favorable electron acceptor that can be readily used by microbes in numerous petroleum hydrocarbon oxidation metabolisms.

- Iron concentrations ranged from 2,800 µg/L in monitoring well MW-8 to 54,000 µg/L in injection well IW-6. Groundwater at the site has been analyzed for iron since March 2012, and in general the concentrations have ranged from approximately 1,000 µg/L to approximately 52,000 µg/L. Initial iron concentrations in monitoring well MW-13 and in all of the injection wells ranged as high as 210,000 to 390,000 µg/L in March 2012, but this was likely related to sediment from the newly installed and developed wells. Iron (in the form of ferrous [Fe^{2+}] or ferric [Fe^{3+}] iron) can be an indicator of the oxidation-reduction (redox) condition of the groundwater. The presence of ferric iron (along with other biogeochemical data) is an indication of more oxidizing groundwater, and the presence of ferrous iron (along with other biogeochemical data) is an indication of more reducing groundwater. Ferric iron is slightly soluble and typically total iron is a representation of ferric iron. Ferrous iron is highly soluble and typically dissolved iron is a representation of ferrous iron. Future sampling for iron at the site will evaluate total iron and dissolved iron to discern the difference in the oxidation state of the iron.

- Sulfate concentrations ranged from 1,200 µg/L in monitoring well MW-3 to 2,500 µg/L in monitoring well MW-4. Concentrations in the remaining wells were below the laboratory reporting limit. Similar to nitrate and iron, the presence of sulfate suggests some available electron acceptors to facilitate anaerobic oxidation of petroleum hydrocarbons. The sulfur element in sulfate is the most oxidized form of sulfur, and, as microbes use sulfate to facilitate the oxidation of hydrocarbons, electrons are transferred to the sulfur and create sulfide. Therefore, data for sulfate

and sulfide (along with other biogeochemical data) can provide an indication of the redox condition of the water. Depending on the environmental setting, background sulfate concentrations can range from 10,000 µg/L (typical) to 1,000,000 µg/L (tidally influenced areas). The ambient concentrations of sulfate at the site are generally within the typical range, and the numerous locations below laboratory reporting limits indicate that most of the available sulfate has been used in the natural anaerobic oxidation of petroleum hydrocarbons.

- Sulfide concentrations ranged from 1,100 µg/L in injection well IW-6 to 3,500 µg/L in monitoring well MW-8. Concentrations in wells MW-3, MW-4, MW-9, MW-11, MW-13, MW-14, and IW-5 were below the laboratory reporting limit. Sulfide is highly reactive with available metals in the aquifer (e.g., iron); as a result, in most anaerobic aquifers, the observed concentrations of sulfide are below 1,000 µg/L. This is because sulfide forms insoluble compounds with metals and is therefore no longer present in groundwater. Observations of sulfide in groundwater in excess of 1,000 µg/L with iron concentrations in excess of 10,000 µg/L are considerable, implying that enough sulfide is present to react with the iron and still be detected in groundwater. Because sulfide is the result of anaerobic reduction of sulfate and oxidation of petroleum hydrocarbons, the detection of concentrations of sulfide above 1,000 µg/L provides strong evidence of naturally occurring anaerobic hydrocarbon oxidation.

- Methane concentrations ranged from 2,000 µg/L in monitoring well MW-8 to 7,600 µg/L in monitoring well MW-4. These concentrations are similar to the 2012, 2013, and 2014 results, which are the only other times methane has been analyzed. The solubility of methane in water at ambient temperature is approximately 20,000 to 25,000 µg/L, and methane concentrations above 1,000 µg/L in groundwater are generally indicative of anaerobic processes. As indicated in **Table 2,** elevated concentrations of methane (above 1,000 µg/L) were detected at the site; however, not all of the wells with detected methane concentrations have the same elevated petroleum hydrocarbon concentrations. For example, methane concentrations observed during the August 2014 event at wells MW-8, MW-9, MW-10, and MW-14 ranged from 2,000 to 4,400 µg/L, and these wells, in general, represent some of the lowest TPH-GRO and TPH-DRO concentrations on site. A possible explanation is a slow groundwater velocity that is not bringing oxygen downgradient into the plume. Biological oxidation of methane in the presence of oxygen is a well-recognized process. It is not advised to disrupt the anaerobic conditions at the site, and methane will be addressed over time as oxygen infiltrates the former source areas.

- TDS concentrations ranged from 1,100 milligrams per liter (mg/L) in monitoring well MW-3 to 13,000 mg/L in monitoring well MW-9. RWQCB generally limits drinking water sources to 3,000 mg/L of TDS to be protective. Groundwater at the site is not a drinking water source, and numerous locations exceed the 3,000 mg/L standard (MW-8, MW-9, MW-10, MW-11, MW-14, IW-2, and IW-6).

Summary

- Groundwater elevations during the August 2014 monitoring event ranged from 1.38 ft amsl in monitoring well MW-10 to 8.25 ft amsl in monitoring well MW-9.

- Groundwater elevations indicated that the apparent groundwater flow direction was generally to the southeast on August 29, 2014, which is consistent with historical groundwater flow.

- BTEX and MTBE were not detected above the laboratory reporting limits in the sampled monitoring wells during the August 2014 monitoring event.

- TPH-GRO was detected above the RWQCB ESL for drinking water and for non-drinking water in monitoring well MW-4 and injection wells IW-2, IW-4, and IW-5.

- TPH-DRO was detected above the RWQCB ESL for drinking water in monitoring wells MW-3, MW-4, and MW-11 and injection wells IW-2, IW-3, IW-4, IW-5, and IW-6. TPH-DRO also exceeded the non-drinking water RWQCB ESL in monitoring wells MW-3 and MW-4 and injection wells IW-2, IW-4, IW-5, and IW-6.

Recommendations

ARCADIS will continue semiannual groundwater monitoring.

If you have any questions regarding this report, please do not hesitate to contact Gregory Albright at 609.366.9067. Please send correspondence regarding this report to Mr. Paul Harper of UPS at the address provided below. Please copy ARCADIS on all correspondence.

Sincerely,

ARCADIS U.S., Inc.

PROFESSIONAL GEOLOGIST
GREGORY R ALBRIGHT
No. 5098
STATE OF CALIFORNIA

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

Jennifer Halcomb-LeBeau
Staff Geologist

Attachments:

Figure 1	Site Location Map
Figure 2	Facility Layout Map
Figure 3	Site Map
Figure 4	Groundwater Contour Map, August 29, 2014
Figure 5	Groundwater Quality Map, August 29, 2014
Table 1	Historical Groundwater Elevation Summary
Table 2	Historical Groundwater Monitoring Results and Baseline Sampling Summary
Appendix A	Field Data Sheets
Appendix B	SOS® Passive Skimmers Specifications
Appendix C	Laboratory Analytical Results and Chain-of-Custody Documentation

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

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References

ARCADIS U.S., Inc. (ARCADIS). 2011a. Summary of Soil and Groundwater Investigation Activities Report, UPS Oakland Hub, 8400 Pardee Drive, Oakland, CA. February 15.

ARCADIS. 2011b. Corrective Action Plan, UPS Oakland Hub, 8400 Pardee Drive, Oakland, CA. December.

ARCADIS. 2012. Revised Summary of Soil and Groundwater Investigation Activities Report, UPS Oakland Hub, 8400 Pardee Drive, Oakland, CA. August 17.

Aronson, Dallas and P.H. Howard. 1997. Anaerobic biodegradation of organic chemicals in groundwater–A summary of field and laboratory studies. Final report prepared for the American Petroleum Institute by Environmental Science Center, Syracuse Research Corporation, North Syracuse, NY, 262 p.

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State Water Resources Control Board (SWRCB). 2012. Low-Threat Underground Storage Tank Case Closure Policy. Adopted May 1, 2012, Effective August 17, 2012. (http://www.swrcb.ca.gov/ust/lt_cls_plcy.shtml).

ARCADIS

Tables

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-1	7.43	8/28/1990	3.80	3.63	0.00	NR
		9/20/1990	3.99	3.44	0.00	NR
		6/19/1991	3.47	3.96	NM	NR
		7/23/1991	3.70	3.73	NM	NR
		8/26/1991	3.92	3.51	NM	NR
		11/18/1991	4.21	3.22	NM	NR
		2/3/1992	3.99	3.44	NM	NR
		6/29/1992	3.38	4.05	NM	NR
		6/23/1993	2.72	4.71	NM	NR
		10/11/1993	3.87	3.56	NM	NR
		1/4/1994	3.34	4.09	NM	NR
		5/10/1994	2.14	5.29	NM	NR
		2/1/1995	1.84	5.59	NM	NR
		8/2/1995	3.10	4.33	NM	NR
		10/16/1995	3.75	3.68	NM	NR
		12/28/1995	3.56	3.87	NM	NR
		6/4/1997	3.16	4.27	0.00	NR
		9/30/1999	3.75	3.68	0.00	NR
		10/11/2000	3.88	3.55	0.00	NR
		9/3/2002	3.73	3.70	0.00	NR
		10/22/2002	5.11	2.32	0.05	NR
		12/23/2002	3.51	3.92	0.00	NR
		3/28/2003	3.52	3.91	0.00	NR
		5/30/2003	3.37	4.06	0.00	NR
		6/20/2003	3.50	3.93	0.00	NR
		7/14/2003	3.65	3.78	0.00	NR
		8/25/2003	3.87	3.56	0.00	NR
		9/9/2003	4.02	3.41	0.00	NR
		9/25/2003	4.10	3.33	0.00	NR
		10/28/2003	4.29	3.14	0.00	NR
		11/18/2003	4.32	3.11	0.00	NR
		12/2/2003	4.34	3.09	0.00	NR
		1/27/2004	3.88	3.55	0.00	NR
		2/24/2004	2.75	4.68	0.00	NR
		3/29/2004	3.45	3.98	0.00	NR
		4/19/2004	3.55	3.88	0.00	NR
		5/20/2004	3.69	3.74	0.00	NR
		6/22/2004	3.81	3.62	0.00	NR
		7/27/2004	3.99	3.44	0.00	NR
		8/24/2004	4.14	3.29	0.00	NR
		9/29/2004	4.32	3.11	0.00	NR
		10/25/2004	3.89	3.54	0.00	NR
		12/15/2004	3.18	4.25	0.00	NR
		1/24/2005	2.69	4.74	0.00	NR
		2/23/2005	2.48	4.95	0.00	NR
		3/23/2005	2.21	5.22	0.00	NR
		4/29/2005	2.57	4.86	0.00	NR
		5/27/2005	2.68	4.75	0.00	NR
		6/29/2005	2.97	4.46	0.00	NR
		7/20/2005	3.13	4.30	0.00	NR
		8/24/2005	3.48	3.95	0.00	NR
		9/27/2005	3.69	3.74	0.00	NR
		10/19/2005	3.87	3.56	0.00	NR
		11/29/2005	3.79	3.64	0.00	NR
		12/29/2005	3.08	4.35	0.00	NR
		1/31/2006	2.91	4.52	0.00	NR
		2/28/2006	2.84	4.59	0.00	NR
		3/27/2006	2.26	5.17	0.00	NR
		4/28/2006	2.40	5.03	0.00	NR
		6/27/2006	3.09	4.34	0.00	NR
		7/31/2006	3.35	4.08	0.00	NR
		8/29/2006	3.60	3.83	0.00	NR
		9/28/2006	3.90	3.53	0.00	NR
		10/27/2006	3.97	3.46	0.00	NR
		11/22/2006	3.64	3.79	0.00	NR
		12/26/2006	3.04	4.39	0.00	NR
		1/25/2007	3.26	4.17	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

UPS OAKLAND HUB
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OAKLAND, CALIFORNIA
STATE ID #583

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-1	7.43	2/16/2007	3.12	4.31	0.00	NR
		3/19/2007	2.91	4.52	0.00	NR
		4/26/2007	2.93	4.50	0.00	NR
		5/29/2007	3.15	4.28	0.00	NR
		6/28/2007	3.42	4.01	0.00	NR
		7/30/2007	3.60	3.83	0.00	NR
		8/30/2007	3.85	3.58	0.00	NR
		9/25/2007	4.00	3.43	0.00	NR
		10/29/2007	4.05	3.38	0.00	NR
		11/29/2007	4.10	3.33	0.00	NR
		12/28/2007	3.80	3.63	0.00	NR
		1/24/2008	3.14	4.29	0.00	NR
		2/21/2008	2.44	4.99	0.00	NR
		3/28/2008	2.84	4.59	0.00	NR
		4/30/2008	3.00	4.43	0.00	NR
		5/29/2008	3.24	4.19	0.00	NR
		6/25/2008	3.39	4.04	0.00	NR
		7/29/2008	3.64	3.79	0.00	NR
		8/27/2008	3.85	3.58	0.00	NR
		9/30/2008	4.08	3.35	0.00	NR
		10/31/2008	4.20	3.23	0.00	NR
		11/26/2008	4.14	3.29	0.00	NR
		12/30/2008	3.94	3.49	0.00	NR
		1/22/2009	3.93	3.50	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	N/A	NR
		6/19/1991	4.66	2.49	N/A	NR
		7/23/1991	4.81	2.34	N/A	NR
		8/26/1991	4.89	2.26	N/A	NR
		11/18/1991	4.93	2.22	N/A	NR
		2/3/1992	4.44	2.71	N/A	NR
		6/29/1992	4.80	2.35	N/A	NR
		6/23/1993	4.38	2.77	N/A	NR
		10/11/1993	5.20	1.95	N/A	NR
		1/4/1994	4.56	2.59	N/A	NR
		5/10/1994	4.20	2.95	N/A	NR
		2/1/1995	4.00	3.15	N/A	NR
		8/2/1995	4.71	2.44	N/A	NR
		10/16/1995	5.02	2.13	N/A	NR
		12/28/1995	4.56	2.59	N/A	NR
		6/12/1996	NM	--	0.25	NR
		6/4/1997	6.02	1.13	Small globules	NR
		9/30/1999	4.95	2.20	0.00	NR
		10/11/2000	4.97	2.18	0.08	NR
		2/12/2002	4.26	2.89	0.01	24.00
		9/3/2002	5.02	2.13	0.07	NR
		9/27/2002	4.89	2.26	0.09	222.30
		10/22/2002	5.11	2.04	0.05	125.00
		12/23/2002	4.25	2.90	0.04	99.00
		1/16/2003	4.28	2.87	0.02	49.00
		2/12/2003	4.26	2.89	0.01	24.00
		3/28/2003	4.35	2.80	0.01	25.00
		5/30/2003	3.60	3.55	0.02	49.00
		6/20/2003	4.55	2.60	0.01	NR
		7/14/2003	4.56	2.59	0.00	NR
		8/25/2003	4.79	2.36	0.01	25.00
		9/9/2003	4.90	2.25	0.01	NR
		9/25/2003	4.97	2.18	0.01	25.00
		10/28/2003	4.98	2.17	0.04	104.00
		11/18/2003	4.83	2.32	0.00	NR
		12/3/2003	4.87	2.28	0.00	NR
		1/27/2004	7.39	-0.24	0.00	NR
		2/24/2004	4.56	2.59	0.01	NR
		3/29/2004	4.24	2.91	0.01	NR
		4/19/2004	4.50	2.65	0.01	25.00
		5/20/2004	4.53	2.62	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-2	7.15	6/22/2004	4.65	2.50	0.00	NR
		7/27/2004	4.80	2.35	0.00	NR
		8/24/2004	5.93	1.22	0.00	NR
		9/29/2004	5.00	2.15	0.02	50.00
		10/25/2004	4.68	2.47	0.00	NR
		12/15/2004	4.34	2.81	0.02	50.00
		1/24/2005	4.15	3.00	0.00	NR
		2/23/2005	4.95	2.20	0.03	74.00
		3/23/2005	4.96	2.19	0.02	49.00
		4/29/2005	4.23	2.92	0.10	246.00
		5/27/2005	4.20	2.95	0.02	50.00
		6/29/2005	4.29	2.86	0.00	NR
		7/20/2005	4.48	2.67	0.04	98.00
		8/24/2005	4.71	2.44	0.00	NR
		9/27/2005	4.98	2.17	0.03	70.00
		10/19/2005	5.08	2.07	0.00	NR
		11/29/2005	4.68	2.47	0.01	NR
		12/29/2005	4.19	2.96	0.01	NR
		1/31/2006	4.05	3.10	0.00	NR
		2/28/2006	4.16	2.99	0.00	25.00
		3/27/2006	4.11	3.04	0.01	NR
		4/28/2006	4.03	3.12	0.00	NR
		6/27/2006	4.45	2.70	0.01	NR
		7/31/2006	4.60	2.55	0.02	NR
		8/29/2006	4.84	2.31	0.01	NR
		9/28/2006	4.96	2.19	0.03	NR
		10/27/2006	4.98	2.17	0.00	NR
		11/22/2006	4.58	2.57	0.00	NR
		12/26/2006	4.22	2.93	0.02	NR
		1/25/2007	4.44	2.71	0.00	NR
		2/16/2007	4.13	3.02	0.00	NR
		3/19/2007	4.30	2.85	0.01	NR
		4/26/2007	4.17	2.98	0.03	NR
		5/29/2007	4.42	2.73	0.01	25.00
		6/28/2007	5.16	1.99	0.01	25.00
		7/30/2007	4.71	2.44	0.00	NR
		8/30/2007	4.94	2.21	0.03	NR
		9/25/2007	5.06	2.09	0.01	25.00
		10/29/2007	4.75	2.40	0.01	25.00
		11/29/2007	4.69	2.46	0.00	NR
		12/28/2007	4.35	2.80	0.00	NR
		1/24/2008	4.08	3.07	0.00	NR
		2/21/2008	3.97	3.18	0.01	25.00
		3/28/2008	4.18	2.97	0.00	NR
		4/30/2008	4.40	2.75	0.00	NR
		5/29/2008	4.58	2.57	0.01	20.00
		6/25/2008	4.58	2.57	0.00	NR
		7/29/2008	4.85	2.30	0.00	NR
		8/27/2008	4.89	2.26	0.01	25.00
		9/30/2008	5.14	2.01	0.04	98.00
		10/31/2008	5.23	1.92	0.03	NR
		11/26/2008	4.74	2.41	0.04	NR
		12/30/2008	4.33	2.82	0.01	25.00
		1/22/2009	4.45	2.70	0.01	25.00

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-2	9.63	5/5/2010	4.03	5.60	0.13	NR
		10/29/2010	4.98	4.65	0.08	NR
		2/25/2011	3.73	5.90	0.00	NR
		6/14/2011	4.23	5.40	0.00	0.00
		7/19/2011	4.72	4.91	0.01	59.15
		8/18/2011	4.80	4.83	sheen	0.00
		9/1/2011	4.96	4.67	sheen	0.00
		9/20/2011	5.08	4.56	0.01	591.47
		10/19/2011	4.77	4.86	0.01	591.47
		11/22/2011	4.92	4.71	0.01	532.32
		12/26/2011	4.92	4.71	0.01	532.32
		1/23/2012	5.20	4.43	0.28	561.83
		2/15/2012	5.16	4.47	0.03	591.40
		2/29/2012	4.75	4.88	0.02	NR
		3/19/2012	4.42	5.21	0.00	NR
		5/1/2012	4.18	5.45	0.03	532.32
		6/5/2012	4.61	5.02	0.01	NR
		7/3/2012	4.91	4.72	0.03	532.32
		8/1/2012	4.93	4.70	0.01	NR
		8/3/2012	4.985	4.65	0.05	591.47
		10/25/2012	5.49	4.14	0.02	5.0
		11/19/2012	5.21	4.42	0.00	25.0
		12/20/2012	5.76	3.87	0.01	2.0
		1/24/2013	4.81	4.82	0.00	0.0
		2/25/2013	NM	--	--	--
		2/26/2013	4.73	4.90	0.00	5.0
		4/14/2013	NM	--	--	--
		4/22/2013	4.69	4.94	0.00	5.0
		5/15/2013	NM	-	-	-
		5/30/2013	4.99	4.64	0.01	5.0
		6/26/2013	5.23	4.40	0.00	NR
		7/22/2013	5.15	4.48	0.06	NR
		8/12/2013	5.15	4.48	0.02	0.0
		9/25/2013	5.13	4.50	0.00	0.0
		10/28/2013	5.39	4.24	0.01	5.0
		11/27/2013	5.20	4.43	0.02	NR
		12/27/2013	5.52	4.11	0.00	0.0
		1/29/2014	5.50	4.13	0.02	0.0
		2/5/2014	5.45	4.18	0.00	0.0
		3/28/2014	4.43	5.20	0.00	NR
		4/29/2014	4.71	4.92	0.02	5.0
		5/28/2014	4.69	4.94	0.00	NR
		6/27/2014	5.01	4.62	0.13	NR
		7/31/2014	4.99	4.64	0.08	0.0
		8/29/2014	5.30	4.33	0.02	NR
MW-2 Product recovered prior to skimmer installation (Pre 6/14/2011):						1826.30
MW-2 Product recovered post skimmer installation (Post 6/14/2011):						5173.07
MW-2 Total product recovered:						6999.37

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-3	7.42	8/28/1990	3.88	3.54	0.00	NR
		9/20/1990	3.99	3.43	0.00	NR
		6/19/1991	3.49	3.93	0.00	NR
		7/23/1991	3.71	3.71	0.00	NR
		8/26/1991	3.94	3.48	0.00	NR
		11/18/1991	4.23	3.19	0.00	NR
		2/3/1992	4.01	3.41	0.00	NR
		6/29/1992	3.40	4.02	0.00	NR
		6/23/1993	2.75	4.67	0.00	NR
		10/11/1993	3.84	3.58	0.00	NR
		1/4/1994	3.40	4.02	0.00	NR
		5/10/1994	2.25	5.17	0.00	NR
		2/1/1995	2.43	4.99	0.00	NR
		8/2/1995	3.20	4.22	0.00	NR
		10/16/1995	3.72	3.70	0.00	NR
		12/28/1995	3.56	3.86	0.00	NR
		6/4/1997	3.20	4.22	0.00	NR
		6/3/1998	NM	--	0.00	NM
		9/30/1999	3.72	3.70	0.00	NR
		10/11/2000	3.88	3.54	0.00	NR
		9/3/2002	3.75	3.67	0.00	NR
		12/23/2002	3.50	3.92	0.00	NR
		3/28/2003	3.56	3.86	0.00	NR
		5/30/2003	3.38	4.04	0.00	NR
		6/20/2003	3.52	3.90	0.00	NR
		7/14/2003	3.65	3.77	0.00	NR
		8/25/2003	3.99	3.43	0.00	NR
		9/9/2003	3.99	3.43	0.00	NR
		9/25/2003	4.06	3.36	0.00	NR
		10/28/2003	4.15	3.27	0.00	NR
		11/18/2003	4.28	3.14	0.00	NR
		12/2/2003	4.31	3.11	0.00	NR
		1/27/2004	3.85	3.57	0.00	NR
		2/24/2004	3.70	3.72	0.00	NR
		3/29/2004	3.47	3.95	0.00	NR
		4/19/2004	3.55	3.87	0.00	NR
		5/20/2004	3.65	3.77	0.00	NR
		6/22/2004	3.83	3.59	0.00	NR
		7/27/2004	3.98	3.44	0.00	NR
		8/24/2004	4.14	3.28	0.00	NR
		9/29/2004	4.30	3.12	0.00	NR
		10/25/2004	3.85	3.57	0.00	NR
		12/15/2004	3.16	4.26	0.00	NR
		1/24/2005	2.65	4.77	0.00	NR
		2/23/2005	2.50	4.92	0.00	NR
		3/23/2005	2.48	4.94	0.00	NR
		4/29/2005	2.59	4.83	0.00	NR
		5/27/2005	2.75	4.67	0.00	NR
		6/29/2005	3.05	4.37	0.00	NR
		7/20/2005	3.10	4.32	0.00	NR
		8/24/2005	3.45	3.97	0.00	NR
		9/27/2005	3.71	3.71	0.00	NR
		10/19/2005	3.73	3.69	0.00	NR
		11/29/2005	3.75	3.67	0.00	NR
		12/29/2005	3.08	4.34	0.00	NR
		1/31/2006	2.99	4.43	0.00	NR
		2/28/2006	2.95	4.47	0.00	NR
		3/27/2006	2.60	4.82	0.00	NR
		4/28/2006	2.90	4.52	0.00	NR
		6/27/2006	3.01	4.41	0.00	NR
		7/31/2006	4.33	3.09	0.00	NR
		8/29/2006	3.62	3.80	0.00	NR
		9/28/2006	3.80	3.62	0.00	NR
		10/27/2006	3.90	3.52	0.00	NR
		11/22/2006	3.60	3.82	0.00	NR
		12/26/2006	3.07	4.35	0.00	NR
		1/25/2007	3.25	4.17	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-3	7.42	2/16/2007	3.09	4.33	0.00	NR
		3/19/2007	2.83	4.59	0.00	NR
		4/26/2007	2.94	4.48	0.00	NR
		5/29/2007	3.18	4.24	0.00	NR
		6/28/2007	3.41	4.01	0.00	NR
		7/30/2007	3.62	3.80	0.00	NR
		8/30/2007	3.84	3.58	0.00	NR
		9/25/2007	4.03	3.39	0.00	NR
		10/29/2007	4.06	3.36	0.00	NR
		11/29/2007	4.10	3.32	0.00	NR
		12/28/2007	3.78	3.64	0.00	NR
		1/24/2008	3.16	4.27	0.00	NR
		2/21/2008	2.41	5.02	0.00	NR
		3/28/2008	2.94	4.48	0.00	NR
		4/30/2008	3.08	4.34	0.00	NR
		5/29/2008	3.24	4.18	0.00	NR
		6/25/2008	3.30	4.12	0.00	NR
		7/29/2008	3.50	3.92	0.00	NR
		8/27/2008	3.84	3.58	0.00	NR
		9/30/2008	4.03	3.39	0.00	NR
		10/31/2008	4.20	3.22	0.00	NR
		11/26/2008	4.23	3.19	0.00	NR
		12/30/2008	3.96	3.46	0.00	NR
		1/22/2009	3.96	3.46	0.00	NR
	9.89	5/5/2010	3.13	6.76	0.02	NR
		10/29/2010	4.70	5.19	0.00	NR
		2/25/2011	1.54	8.35	0.02	NR
		6/14/2011	3.25	6.64	0.05	NR
		7/19/2011	3.53	6.36	0.02	532.32
		8/18/2011	3.98	5.91	sheen	591.47
		9/1/2011	4.12	5.77	sheen	591.47
		9/20/2011	4.41	5.48	sheen	591.47
		10/19/2011	4.34	5.55	sheen	561.90
		11/22/2011	4.75	5.14	sheen	532.32
		12/26/2011	4.70	5.19	sheen	532.32
		1/23/2012	4.11	5.78	0.01	532.26
		2/15/2012	4.90	4.99	0.02	591.40
		2/29/2012	4.14	5.75	0.03	NR
		3/19/2012	2.98	6.91	0.00	NR
		5/1/2012	2.91	6.98	0.01	532.32
		6/5/2012	3.80	6.09	0.00	NR
		7/3/2012	4.22	5.67	0.01	532.32
		8/1/2012	4.58	5.31	0.00	NR
		8/3/2012	4.61	5.28	0.00	532.32
		10/25/2012	5.20	4.69	0.00	NR
		11/19/2012	4.90	4.99	0.00	NR
		12/20/2012	4.00	5.89	0.00	NR
		1/24/2013	3.95	5.94	0.00	NR
		2/25/2013	NM	--	--	--
		2/26/2013	4.25	5.64	0.00	NR
		4/14/2013	NM	--	--	--
		4/22/2013	4.54	5.35	0.00	10.00
		5/15/2013	NM	-	-	-
		5/30/2013	5.01	4.88	0.01	10.00
		6/26/2013	5.13	4.76	0.01	NR
		7/22/2013	5.48	4.41	0.00	NR
		8/12/2013	5.44	4.45	0.00	NR
		9/25/2013	5.50	4.39	0.00	NR
		10/28/2013	5.62	4.27	0.00	NR
		11/27/2013	5.67	4.22	0.02	2.00
		12/27/2013	5.80	4.09	0.02	2.00
		1/29/2014	5.90	3.99	0.05	0.00
		2/5/2014	5.84	4.05	0.04	2.00
		3/28/2014	4.74	5.15	0.01	0.00
		4/29/2014	4.12	5.77	0.00	0.00
		5/28/2014	4.45	5.44	0.00	5.00
		6/27/2014	5.60	4.29	0.00	0.00
		7/31/2014	4.74	5.15	0.00	0.00
		8/29/2014	5.00	4.89	0.00	0.00
MW-3 Product recovered prior to skimmer installation (Pre 6/14/2011):						0.00
MW-3 Product recovered post skimmer installation (Post 6/14/2011):						6684.89
MW-3 Total product recovered:						6684.89

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-4	9.77	5/5/2010	2.96	6.81	0.00	
		10/29/2010	4.53	5.24	0.00	NR
		2/25/2011	1.34	8.43	0.00	NR
		9/1/2011	3.99	5.78	0.00	NR
		2/29/2012	3.91	5.86	0.00	NR
		3/19/2012	2.81	6.96	0.00	NR
		6/5/2012	3.59	6.18	0.00	NR
		8/1/2012	4.45	5.32	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	4.09	5.68	0.01	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	5.10	4.67	0.00	NR
		8/12/2013	5.25	4.52	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.03	3.74	0.00	NR
		2/5/2014	5.64	4.13	0.00	NR
		3/28/2014	4.57	5.20	0.00	NR
		4/29/2014	3.98	5.79	0.00	NR
		5/28/2014	4.72	5.05	0.00	NR
		6/27/2014	4.37	5.40	0.00	NR
		7/31/2014	4.61	5.16	0.00	NR
		8/29/2014	4.84	4.93	0.00	0.00
MW-8	8.22	5/5/2010	2.56	5.66	0.00	NR
		10/29/2010	4.39	3.83	0.00	NR
		2/25/2011	2.69	5.53	0.00	NR
		9/1/2011	3.67	4.55	0.00	NR
		2/29/2012	3.63	4.59	0.00	NR
		3/19/2012	3.37	4.85	0.00	NR
		6/5/2012	3.15	5.07	0.00	NR
		8/1/2012	3.77	4.45	0.00	NR
		2/25/2013	NM	--	--	--
		2/26/2013	3.38	4.84	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	3.90	4.32	0.00	NR
		8/12/2013	4.08	4.14	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	4.73	3.49	0.00	NR
		2/5/2014	4.50	3.72	0.00	NR
		3/28/2014	3.34	4.88	0.00	NR
		4/29/2014	2.98	5.24	0.00	NR
		5/28/2014	3.20	5.02	0.00	NR
		6/27/2014	3.53	4.69	0.00	NR
		7/31/2014	3.76	4.46	0.00	NR
		8/29/2014	4.03	4.19	0.00	0.00
MW-9	14.63	5/5/2010	6.28	8.35	0.00	NR
		10/29/2010	6.28	8.35	0.00	NR
		2/25/2011	5.55	9.08	0.00	NR
		9/1/2011	6.05	8.58	0.00	NR
		2/29/2012	5.98	8.65	0.00	NR
		3/19/2012	5.68	8.95	0.00	NR
		6/5/2012	3.76	10.87	0.00	NR
		8/1/2012	6.11	8.52	0.00	NR
		2/25/2013	NM	--	--	--
		2/26/2013	5.91	8.72	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	6.13	8.50	0.00	NR
		8/12/2013	6.29	8.34	0.00	NR

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-9	14.63	9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	7.15	7.48	0.00	NR
		2/5/2014	6.80	7.83	0.00	NR
		3/28/2014	5.13	9.50	0.00	NR
		4/29/2014	5.68	8.95	0.00	NR
		5/28/2014	5.57	9.06	0.00	NR
		6/27/2014	6.01	8.62	0.00	NR
		7/31/2014	6.12	8.51	0.00	NR
		8/29/2014	6.38	8.25	0.00	0.00
MW-10	9.68	5/5/2010	8.28	1.40	0.00	NR
		10/29/2010	8.27	1.41	0.00	NR
		2/25/2011	4.45	5.23	0.00	NR
		9/1/2011	8.35	1.33	0.00	NR
		2/29/2012	8.32	1.36	0.00	NR
		3/19/2012	7.11	2.57	0.00	NR
		6/5/2012	8.20	1.48	0.00	NR
		8/1/2012	8.34	1.34	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	8.28	1.40	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	8.31	1.37	0.00	NR
		8/12/2013	8.64	1.04	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	9.43	0.25	0.00	NR
		2/5/2014	9.41	0.27	0.00	NR
		3/28/2014	8.18	1.50	0.00	NR
		4/29/2014	8.21	1.47	0.00	NR
		5/28/2014	5.59	4.09	0.00	NR
		6/27/2014	8.29	1.39	0.00	NR
		7/31/2014	8.31	1.37	0.00	NR
		8/29/2014	8.30	1.38	0.00	0.00
MW-11	9.49	5/5/2010	7.21	2.28	0.00	NR
		10/29/2010	6.83	2.66	0.00	NR
		2/25/2011	2.83	6.66	0.00	NR
		9/1/2011	6.05	3.44	0.00	NR
		2/29/2012	5.89	3.60	0.00	NR
		3/19/2012	8.88	0.61	0.00	NR
		6/5/2012	5.68	3.81	0.00	NR
		8/1/2012	6.16	3.33	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	5.96	3.53	0.00	NR
		4/14/2013				
		5/15/2013	NM	-	-	-
		7/22/2013	6.05	3.44	0.00	NR
		8/12/2013	6.43	3.06	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	7.06	2.43	0.00	NR
		2/5/2014	6.98	2.51	0.00	NR
		3/28/2014	5.21	4.28	0.00	NR
		4/29/2014	5.43	4.06	0.00	NR
		5/28/2014	5.59	3.90	0.00	NR
		6/27/2014	5.84	3.65	0.00	NR
		7/31/2014	6.09	3.40	0.00	NR
		8/29/2014	6.30	3.19	0.00	0.00

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-12	9.43	3/19/2012	4.40	5.03	0.18	NR
		6/5/2012	6.31	3.12	0.72	NR
		8/1/2012	7.39	2.04	1.40	NR
		8/3/2012	7.15	2.28	1.30	NR
		10/25/2012	6.74	2.69	0.72	NR
		11/19/2012	6.45	2.98	0.80	NR
		12/20/2012	5.90	3.53	0.90	NR
		1/24/2013	6.53	2.90	1.19	725.00
		2/25/2013	6.55	2.88	1.05	ND
		2/26/2013	7.75	1.68	0.05	30.00
		4/14/2013	5.70	3.73	0.25	ND
		4/22/2013	6.27	3.16	0.46	278.00
		5/15/2013	6.51	2.92	0.42	ND
		5/30/2013	6.67	2.76	0.25	151.00
		6/26/2013	6.82	2.61	0.33	200.00
		7/22/2013	6.69	2.74	0.16	97.00
		8/12/2013	6.73	2.70	0.17	0.00
		9/25/2013	6.83	2.60	0.52	322.00
		10/28/2013	6.83	2.60	0.39	236.00
		11/27/2013	6.86	2.57	0.61	606.00
		12/27/2013	6.75	2.68	0.14	84.00
		1/29/2014	6.80	2.63	0.35	200.00
		2/5/2014	6.82	2.61	0.35	212.00
		3/28/2014	5.95	3.48	0.40	242.00
		4/29/2014	5.49	3.94	0.31	188.00
		5/28/2014	5.37	4.06	0.26	157.00
		6/27/2014	5.29	4.14	0.48	400.00
		7/31/2014	5.79	3.64	0.41	1009.00
		8/29/2014	5.80	3.63	0.25	151.00
MW-12 Total product recovered:						5288.00

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8400 PARDEE DRIVE
OAKLAND, CALIFORNIA
STATE ID #583

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-13	9.10	3/19/2012	3.56	5.54	--	NR
		6/5/2012	4.50	4.60	0.00	NR
		8/1/2012	5.15	3.95	0.01	NR
		2/25/2013	4.61	4.49	0.00	NR
		2/26/2013	3.40	5.70	--	NR
		4/14/2013	4.88	4.22	0.00	NR
		5/15/2013	5.26	3.84	0.00	NR
		7/22/2013	5.58	3.52	0.00	NR
		8/12/2013	5.69	3.41	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.47	2.63	0.00	NR
		2/5/2014	5.80	3.30	0.00	NR
		3/28/2014	4.84	4.26	0.00	NR
		4/29/2014	4.35	4.75	0.00	NR
		5/28/2014	4.34	4.76	0.00	NR
		6/27/2014	4.58	4.52	0.00	NR
		7/31/2014	4.63	4.47	0.00	NR
		8/29/2014	4.86	4.24	0.00	0.00
MW-14	9.29	3/19/2012	1.86	7.43	--	NR
		6/5/2012	2.53	6.76	--	NR
		8/1/2012	3.69	5.60	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	2.66	6.63	--	NR
		4/14/2013	NM	--	--	--
		5/15/2012	NM	-	-	-
		7/22/2013	4.56	4.73	0.00	NR
		8/12/2013	6.05	3.24	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.38	3.91	0.00	NR
		2/5/2014	5.10	4.19	0.00	NR
		3/28/2014	1.64	7.65	0.00	NR
		4/29/2014	1.74	7.55	0.00	NR
		5/28/2014	3.09	6.20	0.00	NR
		6/27/2014	3.49	5.80	0.00	NR
		7/31/2014	3.92	5.37	0.00	NR
		8/29/2014	4.50	4.79	0.00	0.00

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OAKLAND, CALIFORNIA
STATE ID #583

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
OW-1	N/A	6/4/1997	7.22	NC	0.01	NR
		9/30/1999	8.35	NC	0.01	NR
		10/11/2000	6.90	NC	0.09	NR
		2/12/2002	5.23	NC	0.01	38.00
		9/27/2002	7.02	NC	0.14	345.78
		10/22/2002	7.34	NC	0.01	40.00
		12/23/2002	5.17	NC	0.03	167.00
		1/16/2003	4.97	NC	0.01	40.00
		2/12/2003	5.23	NC	0.01	38.00
		3/28/2003	5.16	NC	0.01	25.00
		5/30/2003	4.41	NC	0.02	77.00
		6/20/2003	4.93	NC	0.01	NR
		7/14/2003	5.33	NC	0.00	NR
		8/25/2003	5.85	NC	0.00	NR
		9/9/2003	6.33	NC	0.00	NR
		9/25/2003	6.52	NC	0.01	25.00
		10/28/2003	7.26	NC	0.03	176.00
		11/18/2003	7.29	NC	0.00	NR
		12/2/2003	7.23	NC	0.03	NR
		1/27/2004	7.96	NC	0.01	NR
		2/24/2004	6.26	NC	0.02	NR
		3/29/2004	6.08	NC	0.02	NR
		4/19/2004	6.29	NC	0.03	116.00
		5/20/2004	6.16	NC	0.00	NR
		6/22/2004	6.37	NC	0.00	NR
		7/27/2004	5.67	NC	0.04	225.00
		8/24/2004	6.81	NC	0.00	NR
		9/29/2004	7.08	NC	0.04	153.00
		10/25/2004	6.74	NC	0.04	NR
		12/15/2004	5.33	NC	0.04	155.00
		1/24/2005	3.98	NC	0.00	NR
		2/23/2005	3.44	NC	0.01	NR[5]
		3/23/2005	3.34	NC	0.02	77.00
		4/29/2005	6.89	NC	0.13	501.00
		5/27/2005	7.18	NC	0.11	425.00
		6/29/2005	7.12	NC	0.10	450.00
		7/20/2005	7.20	NC	0.10	556.00
		8/24/2005	7.15	NC	0.06	249.00
		9/27/2005	7.43	NC	0.12	450.00
		10/19/2005	7.48	NC	0.11	425.00
		11/29/2005	7.00	NC	0.04	NR
		12/29/2005	5.22	NC	0.00	NR
		1/31/2006	5.64	NC	0.00	NR
		2/28/2006	6.53	NC	0.01	39.00
		3/27/2006	5.80	NC	0.01	NR
		4/28/2006	6.39	NC	0.00	NR
		6/27/2006	7.82	NC	0.06	NR
		7/31/2006	5.82	NC	0.05	NR
		8/29/2006	7.05	NC	0.07	NR
		9/28/2006	7.10	NC	0.02	NR
		10/27/2006	7.27	NC	0.02	NR
		11/22/2006	7.05	NC	0.02	NR
		12/26/2006	6.73	NC	0.03	NR
		1/25/2007	7.15	NC	0.00	NR
		2/16/2007	7.71	NC	0.01	NR
		3/19/2007	6.77	NC	0.02	NR
		4/26/2007	6.66	NC	0.01	NR
		5/29/2007	6.86	NC	0.02	76.00
		6/28/2007	6.97	NC	0.20	75.00
		7/30/2007	7.06	NC	0.01	NR
		8/30/2007	7.25	NC	0.03	NR
		9/25/2007	7.25	NC	0.03	115.00
		10/29/2007	7.43	NC	0.02	78.00
		11/29/2007	7.37	NC	0.00	NR
		12/28/2007	7.28	NC	0.01	40.00
		1/24/2008	6.61	NC	0.01	38.00
		2/21/2008	6.33	NC	0.01	37.00
		3/28/2008	6.80	NC	0.01	NR
		4/30/2008	7.44	NC	0.03	166.90
		5/29/2008	7.09	NC	0.01	38.00
		6/25/2008	7.07	NC	0.02	112.00
		7/29/2008	7.34	NC	0.00	NR
		8/27/2008	7.28	NC	0.02	78.00
		9/30/2008	7.82	NC	0.03	167.00
		10/31/2008	7.31	NC	0.01	NR
		11/26/2008	6.93	NC	0.01	NR
		12/30/2008	7.25	NC	0.02	112.00
		1/22/2009	7.05	NC	0.01	56.00

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UPS OAKLAND HUB
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OAKLAND, CALIFORNIA
STATE ID #583

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
OW-1	9.55	5/5/2010	7.08	2.47	0.06	NR
		10/29/2010	7.37	2.18	0.08	NR
		2/25/2011	6.17	3.38	0.05	NR
		6/14/2011	6.78	2.77	0.08	0.00
		7/19/2011	7.30	2.25	0.20	118.29
		8/18/2011	7.35	2.20	0.03	147.87
		9/1/2011	7.35	2.20	0.03	147.87
		9/20/2011	7.41	2.14	0.04	591.47
		10/19/2011	7.42	2.13	0.03	532.32
		11/22/2011	7.09	2.46	0.03	29.57
		12/26/2011	7.32	2.23	0.02	147.87
		1/23/2012	6.90	2.65	0.30	532.26
		2/15/2012	7.32	2.23	0.02	591.40
		2/29/2012	7.54	2.01	0.08	NR
		3/19/2012	7.25	2.30	0.01	NR
		5/1/2012	7.14	2.41	0.01	532.32
		6/5/2012	8.55	1.00	0.01	NR
		7/3/2012	7.63	1.92	0.04	295.70
		8/1/2012	7.81	1.74	0.00	NR
		8/3/2012	7.50	2.05	0.14	591.47
		10/25/2012	7.34	2.21	0.02	5.0
		11/19/2012	7.26	2.29	0.20	10.0
		12/20/2012	6.93	2.62	0.03	5.0
		1/24/2013	6.89	2.66	0.03	10.0
		2/25/2013	NM	--	--	--
		2/26/2013	7.72	1.83	0.03	15.0
		4/14/2013	NM	--	--	--
		4/22/2013	7.68	1.87	0.03	15.0
		5/15/2013	NM	-	-	-
		5/30/2013	7.50	2.05	0.05	20.0
		6/26/2013	7.56	1.99	0.05	NR
		7/22/2013	7.84	1.71	0.10	5.0
		8/12/2013	7.55	2.00	0.01	NR
		9/25/2013	7.36	2.19	0.03	10.0
		10/28/2013	7.10	2.45	0.06	5.0
		11/27/2013	7.16	2.39	0.06	10.0
		12/27/2013	7.33	2.22	0.04	5.0
		1/29/2014	7.02	2.53	0.05	25.0
		2/5/2014	8.40	1.15	0.03	10.0
		3/28/2014	7.15	2.40	0.01	2.0
		4/29/2014	5.48	4.07	0.01	5.0
		5/28/2014	7.74	1.81	0.06	10.0
		6/27/2014	7.61	1.94	0.03	5.0
		7/31/2014	7.66	1.89	0.05	50.0
		8/29/2014	7.36	2.19	0.06	5.0
OW-1 Product recovered prior to skimmer installation (Pre 6/14/2011):						5943.68
OW-1 Product recovered post skimmer installation (Post 6/14/2011):						4485.41
OW-1 Total product Recovered:						10429.09
IW-1	9.50	3/19/2012	4.38	5.12	0.00	NR
		6/5/2012	6.24	3.26	0.59	NR
		8/1/2012	7.29	2.21	1.23	NR
		8/3/2012	7.01	2.49	1.10	NR
		10/25/2012	7.05	2.45	1.00	NR
		11/19/2012	6.50	3.00	0.90	NR
		12/20/2012	5.85	3.65	0.74	NR
		1/24/2013	6.54	2.96	1.13	690.00
		2/25/2013	6.50	3.00	0.85	ND
		2/26/2013	8.72	0.78	0.91	550.00
		4/14/2013	5.64	3.86	0.84	ND
		4/22/2013	6.56	2.94	0.66	400.00
		5/15/2013	6.79	2.71	0.23	ND
		5/30/2013	6.93	2.57	0.47	284.00
		6/26/2013	6.98	2.52	0.54	327.00
		7/22/2013	6.89	2.61	0.36	218.00
		8/12/2013	6.95	2.55	0.61	370.00
		9/25/2013	6.73	2.77	0.33	205.00
		10/28/2013	6.76	2.74	0.24	145.00
		11/27/2013	6.80	2.70	0.58	351.00
		12/27/2013	6.71	2.79	0.24	145.00
		1/29/2014	6.69	2.81	0.14	150.00
		2/5/2014	6.69	2.81	0.11	66.00
		3/28/2014	5.64	3.86	0.19	115.00
		4/29/2014	5.31	4.19	0.05	30.00
		5/28/2014	5.20	4.30	0.10	60.00
		6/27/2014	5.64	3.86	0.27	180.00
		7/31/2014	5.70	3.80	0.22	542.00
		8/29/2014	5.77	3.73	0.14	85.00
IW-1 Total product Recovered:						4913.00

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Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
IW-2	9.02	3/19/2012	4.15	4.87	0.00	NR
		6/5/2012	4.76	4.26	0.00	NR
		8/1/2012	5.54	3.48	0.00	NR
		2/25/2013	7.04	1.98	0.00	NR
		2/26/2013	5.85	3.17	0.00	NR
		4/14/2013	5.16	3.86	0.00	NR
		5/15/2013	5.21	3.81	0.00	NR
		7/22/2013	5.60	3.42	0.00	NR
		8/12/2013	5.71	3.31	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.37	2.65	0.00	NR
		2/5/2014	6.05	2.97	0.00	NR
		3/28/2014	5.13	3.89	0.00	NR
		4/29/2014	4.63	4.39	0.00	NR
		5/28/2014	4.60	4.42	0.00	NR
		6/27/2014	4.94	4.08	0.00	NR
		7/31/2014	5.13	3.89	0.00	NR
		8/29/2014	5.31	3.71	0.00	0.00
IW-3	8.93	3/19/2012	4.23	4.70	0.00	NR
		6/5/2012	3.82	5.11	0.00	NR
		8/1/2012	4.77	4.16	0.00	NR
		2/25/2013	5.90	3.03	0.00	NR
		2/26/2013	4.42	4.51	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2012	NM	-	-	-
		7/22/2013	4.80	4.13	0.00	NR
		8/12/2013	5.23	3.70	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.63	3.30	0.00	NR
		2/5/2014	5.83	3.10	0.00	NR
		3/28/2014	4.80	4.13	0.00	NR
		4/29/2014	4.24	4.69	0.00	NR
		5/28/2014	3.99	4.94	0.00	NR
		6/27/2014	4.33	4.60	0.00	NR
		7/31/2014	4.61	4.32	0.00	NR
		8/29/2014	4.86	4.07	0.00	0.00
IW-4	9.96	3/19/2012	3.00	6.96	0.00	NR
		6/5/2012	3.77	6.19	0.00	NR
		8/1/2012	4.64	5.32	0.01	NR
		2/25/2013	NM	-	-	-
		2/26/2013	4.29	5.67	0.01	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	NM	-	-	-
		8/12/2013	5.45	4.51	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.87	4.09	0.00	NR
		2/5/2014	6.86	3.10	0.00	NR
		3/28/2014	5.24	4.72	0.00	NR
		4/29/2014	4.19	5.77	0.00	NR
		5/28/2014	4.79	5.17	0.00	NR
		6/27/2014	5.04	4.92	0.00	NR
		7/31/2014	4.78	5.18	0.00	NR
		8/29/2014	5.02	4.94	0.00	0.00
IW-5	9.88	3/19/2012	2.92	6.96	0.00	NR
		6/5/2012	3.68	6.20	0.00	NR
		8/1/2012	4.72	5.16	0.00	NR
		2/25/2013	NM	-	-	-
		2/26/2013	4.58	5.30	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	5.38	4.50	0.00	NR
		8/12/2013	5.25	4.63	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.15	3.73	0.00	NR
		2/5/2014	6.91	2.97	0.00	NR
		3/28/2014	5.13	4.75	0.00	NR
		4/29/2014	4.27	5.61	0.00	NR
		5/28/2014	4.44	5.44	0.00	NR
		6/27/2014	4.65	5.23	0.00	NR
		7/31/2014	4.88	5.00	0.00	NR
		8/29/2014	5.10	4.78	0.00	0.00

TABLE 1
HISTORICAL GROUNDWATER ELEVATION SUMMARY

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

Monitoring Well	Reference Elevation* (ft-amsl)	Date	Depth to Groundwater (ft-btoc)	Groundwater Elevation (ft-amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
IW-6	9.67	3/19/2012	3.15	6.52	0.00	NR
		6/5/2012	3.74	5.93	0.00	NR
		8/1/2012	4.36	5.31	0.01	NR
		2/25/2013	NM	-	-	-
		2/26/2013	4.10	5.57	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	-	-	-
		7/22/2013	5.09	4.58	0.00	NR
		8/12/2013	5.23	4.44	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.75	3.92	0.00	NR
		2/5/2014	5.55	4.12	0.00	NR
		3/28/2014	3.93	5.74	0.00	NR
		4/29/2014	3.71	5.96	0.00	NR
		5/28/2014	3.90	5.77	0.00	NR
		6/27/2014	4.54	5.13	0.00	NR
		7/31/2014	4.81	4.86	0.00	NR
		8/29/2014	5.00	4.67	0.00	0.00
Total product recovered from skimmers (MW-2, MW-3 and OW-1):						
Total product recovered prior to skimmer installation (mL):						7770.0
Total product recovered prior to skimmer installation (oz):						262.0
Total product recovered prior to skimmer installation (gal):						2.05
Total product recovered post skimmer installation (mL):						16343.4
Total product recovered post skimmer installation (oz):						552.0
Total product recovered post skimmer installation (gal):						4.31
Total product recovered from wells without skimmers (mL):						10201.00
Total product recovered from wells without skimmers (oz):						348.00
Total product recovered from wells without skimmers (gal):						2.72
Total product recovered (mL):						34314.4
Total product recovered (oz):						1160.0
Total product recovered (gal):						9.06

Notes:
* Reference elevation surveyed relative to mean sea level and California State Coordinate System, Zone III (NAD83)
2. Sources: Geraghty and Miller 1996
3. NM = Not Measured; NC = Not Calculated; N/A= Not Available; NR = Not Recovered
4. ft-btoc = feet below top of casing
5. ft-amsl = feet above mean sea level
6. mL = milliliters
7. oz = ounces
8. gal = gallons
9. '-- = no data
10. ND = not determined; due to the method used for high-vacuum extraction (HVE), a distinction could not be made between the volume and water and volume of product recovered
11. Volume of product recovered on 9/27/02 and 3/23/05 calculated based on measurements from field data sheets

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS AND BASELINE SAMPLING SUMMARY

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 83

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)	Temperature °c	pH	Conductivity µs	EDB µg/L	1,2-DCA µg/L	Methane µg/L	Nitrate as Nitrogen µg/L	Magnesium µg/L	Sulfate µg/L	Sulfide µg/L	Iron µg/L	Naphthalene µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	were the	--	--	0.05	0.5	--	--	--	--	--	--	17	--
ESL - Non-Drinking Water	--	46	130	43	100	1800	210	210	--	--	--	--	150	200	--	--	--	--	--	--	24	--
MW-1	8/28/1990	3.00	1.40	4.00	2.40	NA	NA	21,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/19/1991	1.70	0.70	0.50	0.90	NA	NA	7,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/23/1991	1.60	1.10	0.50	1.50	NA	220	8,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/26/1991	180.00	120.00	31.00	160.00	NA	NA	2,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/1991	1.10	0.40	0.50	< 0.3	NA	NA	6,600	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/3/1992	0.90	< 0.3	0.80	0.70	NA	NA	2,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/29/1992	0.80	0.40	0.40	0.90	NA	NA	2,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/1993	0.66	< 0.5	0.50	< 0.5	NA	NA	3,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/1993	1.30	< 0.5	< 0.5	< 0.5	NA	NA	9,600	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/4/1994	2.10	0.65	1.30	2.10	NA	NA	12,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/10/1994	0.54	0.53	< 0.5	1.10	NA	NA	6,400	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/1995	< 1.0	< 1.0	1.00	< 1.0	NA	510	10,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	510	8,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/1995	2.80	< 0.5	< 0.5	< 0.5	NA	830	15,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/1995	2.10	< 0.5	< 0.5	< 0.5	NA	560	15,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	28,000	0.76	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/1999	< 0.5	0.60	< 0.5	1.80	<3.0	1,600	28,000	9.90	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5	260	21,000	0.39	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/3/2002	<0.5	<0.5	<0.5	0.50	<0.5	1,00	38,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2003	<5	<5	<5	<10	<5.0	250	35,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/9/2003	<0.5	<0.5	<0.5	<1.0	0.60	440	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/19/2004	3.20	<2.5	<2.5	<5.0	<2.5	280	24,000 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	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	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/23/2005	<1.0	<1.0	<1.0	<2.0	<1.0	550 Q1	15,000 Q2	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2005	< 0.50	< 0.50	< 0.50	<1.0	0.94	310	7,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/27/2006	< 0.50	< 0.50	< 0.50	<1.0	0.62	420	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/28/2006	< 0.50	< 0.50	< 0.50	<1.0	0.87	220	28,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2007	< 0.50	< 0.50	< 0.50	<1.0	<1.0	940	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2007	<0.50	<0.50	<0.50	1.1	<0.50	240	9,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	55	13,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	280	9,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	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	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/19/1991	0.50	< 0.3	< 0.3	< 0.3	NA	NA	<500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/23/1991	0.70	< 0.3	< 0.3	< 0.3	NA	<500	660	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/26/1991	0.70	< 0.3	< 0.3	< 0.3	NA	NA	<500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/1991	0.80	< 0.3	< 0.3	< 0.3	NA	NA	3,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/3/1992	0.70	< 0.3	< 0.3	0.50	NA	NA	400	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/29/1992	0.60	< 0.3	< 0.3	< 0.3	NA	NA	250	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/1993	0.55	< 0.5	< 0.5	< 0.5	NA	NA	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/1993	1.20	< 0.5	< 0.5	1.30	NA	NA	1,400	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/4/1994	0.72	< 0.5	< 0.5	1.10	NA	NA	3,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/10/1994	0.74	< 0.5	< 0.5	0.70	NA	NA	2,300	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/1995	2.10	< 1.0	< 1.0	< 1.0	NA	<100	2,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	210	3,600	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/1995	0.73	< 0.5	< 0.5	< 0.5	NA	130	1,400	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	210	2,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/12/1996	NS	NS	NS	NS	NS	NS	--	NS	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	3,300	0.52	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/1999	< 0.5	< 0.5	< 0.5	< 1.0	< 3.0	220	6,300	9.50	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	170	4,400	0.43	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2002	0.7J	<2.5	<2.5	<2.5	<2.5	17000	67,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2003	<25	<25	<25	<50	<25	1600	10,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2003	0.52	<0.50	<0.50	<1.0	<0.50	150	12,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/29/2004	0.51	<0.50	<0.50	<1.0	<0.50	84 g	7,800 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	630 g	10,000 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	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	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2005	<1.0	<1.0	<1.0	<2.0	<1.0	1,900	22,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/27/2006	<1.0	<1.0	<1.0	<2.0	<1.0	710	8,900	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/28/2006	<0.50	<0.50	<0.50	<1.0	<0.50	62	7,500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2007	<0.50	<0.50	<0.50	<1.0	<0.50	<50	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2007	<0.50	<0.50	<0.50	<1.0	<0.50	55	8,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	210	6,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	220	23,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	<50	3,700	NA	NM	NM	NM	<0.5	<0.6	NA	NA	NA	NA	NA	NA	<1.0	2,800
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	360	37,000	NA	NM	NM	3,236	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	0.59	4.90	0.98	10.0	<0.50	140	4,600	NA	NM	NM	4,240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	0.52	<0.50	1.7	<0.50	510	13,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	2.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	110,000	3,300	NA	9,500	NA	2,400 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	< 0.50	2.0	<0.50	110	13,000	NA	NM	NM	3,682	NA	NA	810	< 230	NA	<1,000	<1,000	1,800	NA	2,700
	2/26/2013	<0.50	<0.50	<0.50	1.1	<0.50	910	38,000	NA	18.20	7.62	2,847	NA	NA	1,400	<230	140,000	<1,000	<1,000	4,100	3.3	2,900
	7/23/2013	NS	NS	NS	NS	NS	NS	NS	NA	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	74	9,100	NA	18.40	7.63	5,554	<0.50	<0.50	4,100	<230	170,000	<1,000	<1,000	5,200	<1.0	3,200
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS AND BASELINE SAMPLING SUMMARY

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 83

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)	Temperature °c	pH	Conductivity µs	EDB µg/L	1,2-DCA µg/L	Methane µg/L	Nitrate as Nitrogen µg/L	Magnesium µg/L	Sulfate µg/L	Sulfide µg/L	Iron µg/L	Naphthalene µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	were the	--	--	0.05	0.5	--	--	--	--	--	--	17	--
ESL - Non-Drinking Water	--	46	130	43	100	1800	210	210	--	--	--	--	150	200	--	--	--	--	--	--	24	--
MW-3	8/28/1990	0.50	0.80	4.30	2.30	NA	NA	18,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/19/1991	0.40	0.40	1.70	1.40	NA	NA	1,300	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/23/1991	0.30	< 0.3	1.50	0.50	NA	330	6,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/26/1991	13.00	13.00	5.80	26.00	NA	NA	<50	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/1991	0.60	< 0.3	< 0.3	< 0.3	NA	NA	2,500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/3/1992	0.40	< 0.3	1.30	0.60	NA	NA	1,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/29/1992	< 0.3	< 0.3	1.30	0.30	NA	NA	3,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/1993	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	8,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/1993	1.00	< 0.5	1.50	2.40	NA	NA	7,100	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/4/1994	< 0.5	< 0.5	1.60	< 0.5	NA	NA	7,400	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/10/1994	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	5,700	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/1/1995	< 1.0	< 1.0	2.70	4.10	NA	810	10,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/2/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	1200	6,500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	930	9,800	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/1995	< 0.5	< 0.5	< 0.5	< 0.5	NA	690	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/4/1997	NA	NA	NA	NA	NA	NA	34,000	0.84	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/1999	< 0.5	0.60	0.70	1.20	< 3.0	1300	8,700	8.60	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	430	20,000	0.51	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/3/2002	<0.5	<0.5	<0.5	<0.5	<0.5	2,300	14,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2003	<25	<25	<25	<50	<25	2,500	19,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/9/2003	<0.5	<0.5	<0.5	<1.0	<0.5	700	73,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/19/2004	<0.50	<0.50	<0.50	<1.0	<0.50	99	14,000 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/29/2004	<2.5	<2.5	<2.5	<5.0	<2.5	390 g	10,000 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/24/2005	<2.5	<2.5	<2.5	<5.0	<2.5	330 Q1	14,000 Q2	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2005	< 1.0	< 1.0	<1.0	< 2.0	< 1.0	1,200	8,300	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/27/2006	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	430	13,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/28/2006	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	370	17,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2007	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	510	26,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2007	<1.0	<1.0	<1.0	<2.0	<1.0	390	11,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	280	21,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	270	9,500	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	<150	24,000	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	2.2	910
	2/25/2011	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	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	NM	NM	1,378	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	1.3	<0.50	520	13,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	47,000	7,900	NA	5,800	NA	770 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	1.1	<0.50	1,200	43,000	NA	NM	NM	NM	NA	NA	3,200	<230	NA	<1,000	< 1,000	4,600	NA	780
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	200	12,000	NA	16.70	7.96	1,407	NA	NA	4,100	<230	43,000	<1,000	<1,000	3,800	1.4	630
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	290	7,000	NA	25.28	7.16	1,696	<0.50	<0.50	8,200	<230	47,000	<1,000	<1,000	4,700	1.3	720
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	<5.0	<5.0	<5.0	<10	<5.0	<500	***2,800***	NM	24.4	6.31	1,746	<5.0	<5.0	5,400	<230	64,000	1,200	<1,000	8,000	<10	1,100
MW-4	5/5/2010	NA	NA	NA	NA	NA	<50	5,200	NA	NM	NM	NM	<5.0	<5.0	NA	NA	NA	NA	NA	NA	<1.0	1,100
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	150	2,000	NA	NM	NM	1,940	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	250	24,000	NA	NM	NM	2,006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	430	7,700	NA	NM	NM	1,470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	150	12,000	NA	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NA	NA	NA	NA	NA	51,000	4,400	NA	22,000	NA	1,200 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.56	NM	NM	1,952	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	69	6,400	NA	NM	NM	NM	NA	NA	6,600	<230 H	NA	1,400	<1,000	2,400	NA	1,000
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	9,900	NA	16.70	7.85	1,995	NA	NA	3,700	<230	41,000	1,600	<1,000	3,400	<1.0	1,400
	7/22/2013	<0.50	<0.50	<0.50	<1.0	<0.50	86	1,100	NA	24.56	7.05	1,789	<0.50	<0.50	8,000	<230	45,000	<1,000	<1,000	3,600	<1.0	1,100
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	90	19,000	NA	18.40	8.20	2,221	<0.50	<0.50	6,400	<230	51,000	<1,000	<1,000	3,200	<1.0	1,100
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	***430***	***7,300***	NM	24.1	6.78	1,739	<0.5	<0.5	7,600	<230	64,000	2,500	<1,000	3,800	<1.0	1,200
MW-8	5/5/2010	NA	NA	NA	NA	NA	<50	70	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	<1.0	2,900
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	1,100	NA	NM	NM	9,599	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	280	NA	NM	NM	9,379	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	200	NA	NM	NM	9,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	120	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	170,000	1,600	NA	1,900	NA	5,800 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.85	NM	NM	3,634	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	160	NA	NM	NM	NM	NA	NA	1,100	<230 H	NA	<1,000	1,600	5,600	NA	4,900
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	280	NA	18.10	6.94	1,057	NA	NA	2,000	<230	170,000	<1,000	1,500	810	12	2,900
	7/22/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	170	NA	22.56	6.81	4,408	<0.50	<0.50	5,100	<230	170,000	<1,000	1,600	2,900	2.7	5,300
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<49	NA	19.00	6.78	9,672	<0.50	<0.50	3,700	<230	220,000	<1,000	3,600	3,500	<1.0	6,500
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<50	NM	22.1	6.84	10,210	<0.5	<0.5	2,000	<230	170,000	<1,000	3,500	2,800	1.4	**5,000**
MW-9	5/5/2010	NA	NA	NA	NA	NA	<50	110	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	<1.0	6,200
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	580	NA	NM	NM	6,065	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	0.55	<0.50	<1.0	<0.50	<50	240	NA	NM	NM	2,358	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	160	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	170,000	4,000	NA	9,600	NA	10,000 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.87	NM	NM	5,322	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	210	NA	NM	NM	NM	NA	NA	2,100	<230 H	NA	<1,000	<1,000	13,000	NA	11,000
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	320	NA	19.30	6.75	22.83	NA	NA	2,600	<230	260,000	1,400	<1,000	4,000	<1.0	8,900
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<52	NA	24.44	6.51	12,700	<0.50	<0.50	5,400	<230	390,000	<1,000	<1,000	11,000	<1.0	16,000
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<52	NA	20.30	6.73	2,109	<0.50	<0.50	3,100	NA	NA	NA	NA	NA	<1.0	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<51	NM	23.8	6.70	9,842	<0.5	<0.5	2,700	<230	310,000	<1,000	<1,000	20,000	<1.0	**13,000**

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS AND BASELINE SAMPLING SUMMARY

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 83

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)	Temperature °c	pH	Conductivity µs	EDB µg/L	1,2-DCA µg/L	Methane µg/L	Nitrate as Nitrogen µg/L	Magnesium µg/L	Sulfate µg/L	Sulfide µg/L	Iron µg/L	Naphthalene µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	were the	--	--	0.05	0.5	--	--	--	--	--	--	17	--
ESL - Non-Drinking Water	--	46	130	43	100	1800	210	210	--	--	--	--	150	200	--	--	--	--	--	--	24	--
MW-10	5/5/2010	NA	NA	NA	NA	NA	<50	110	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	<1.0	2,100
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	650	NA	NM	NM	9,550	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	5,600	NA	NM	NM	3,508	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	250	NA	NM	NM	9,334	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	170	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.61	NM	NM	3,540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	280	NA	NM	NM	NM	NA	NA	2,800	<230 H	NA	<1,000	<1,000	4,200	NA	3,700
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	440	NA	18.20	7.43	9,646	NA	NA	2,000	<230	110,000	21,000	<1,000	2,300	<1.0	3,000
	7/22/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	62	NA	22.83	6.84	9,721	<0.50	<0.50	7,700	<230	210,000	1,900	<1,000	7,700	<1.0	5,200
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	130	NA	17.60	6.73	3,139	<0.50	<0.50	3,700	<230	320,000	40,000	<1,000	10,000	<1.0	7,000
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<54	NM	23.6	6.68	11,800	<0.5	<0.5	4,400	<230	170,000	<1,000	1,200	6,500	<1.0	**5,200**
MW-11	5/5/2010	NA	NA	NA	NA	NA	<50	430	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	<1.0	10,000
	10/29/2010	<0.5	<0.5	<0.5	<1.0	<0.5	<50	7,200	NA	NM	NM	17,500	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	2/25/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	1,900	NA	NM	NM	525	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	<0.50	<0.50	<0.50	<1.0	<0.50	<50	1,100	NA	NM	NM	7,444	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	0.53	<0.50	<0.50	<1.0	<0.50	<50	1,200	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.91	NM	NM	3,097	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	860	NA	NM	NM	NM	NA	NA	2,800	<230 H	NA	<1,000	1,400	3,900	NA	4,900
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	1,200	NA	17.80	7.32	8,974	NA	NA	2,100	<230	120,000	<1,000	3,100	630	<1.0	4,700
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	78	NA	21.83	6.76	9,905	<0.50	<0.50	7,000	<230	180,000	<1,000	<1,000	5,900	<1.0	5,700
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	78	NA	16.30	7.08	11,440	<0.50	<0.50	2,900	NA	NA	NA	NA	NA	<1.0	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	**150**	NM	24.5	6.67	7,817	<0.5	<0.5	3,900	<230	140,000	<1,000	<1,000	13,000	<1.0	**6,100**
MW-12	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	2,500	24,000	NA	18.50	7.37	2,377	NA	NA	1,600	<230	75,000	1,300	<1,000	9,200	3.9	1,500
	7/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	3/19/2012	NA	NA	NA	NA	NA	NA	690	NA	NM	NM	NM	NA	NA	NA	NA	160,000	100,000	NA	390,000	NA	2,000 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.52	NM	NM	2,972	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	1.0	<0.50	<50	750	NA	NM	NM	NM	NA	NA	4,500	<230 H	98,000	3,300	4,300	1,100	NA	1,400
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	880	NA	17.70	7.46	2,056	NA	NA	3,600	<230	93,000	1,300	3,800	560	<1.0	1,300
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	88	NA	25.78	6.90	2,022	<0.50	<0.50	13,000	<230	81,000	2,100	<1,000	3,200	<1.0	1,400
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	96	NA	18.10	7.03	2,787	<0.50	<0.50	6,500	<230	110,000	<1,000	1,800	2,500	<1.0	1,800
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	100	NM	24.9	7.05	2,287	<0.5	<0.5	4,700	<230	87,000	<1,000	<1,000	5,600	<1.0	1,500
MW-14	3/19/2012	NA	NA	NA	NA	NA	NA	260	NA	NM	NM	NM	NA	NA	NA	NA	180,000	94,000	NA	9,100	NA	8,400
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.96	NM	NM	4,872	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	<50	370	NA	NM	NM	NM	NA	NA	2,200	<230 H	270,000	53,000	4,500	9,100	NA	8,700
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	230	NA	15.80	6.36	5,600	NA	NA	3,700	<230	100,000	66,000	<1,000	990	<1.0	3,700
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<56	NA	26.00	6.53	5,497	<0.50	<0.50	6,000	NA	NA	NA	NA	NA	<1.0	NA
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	52	NA	17.60	6.62	9,975	<0.50	<0.50	3,700	NA	NA	NA	NA	NA	<1.0	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<53	NM	25.1	6.50	8,731	<0.5	<0.5	2,700	<230	280,000	<1,000	<1,000	24,000	<1.0	**8,600**
OW-1	6/23/1993	< 0.5	< 0.5	< 0.5	31.00	NA	NA	34,000,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/4/1997	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/1999	< 2.0	< 2.0	< 2.0	4.20	< 12.0	8,300	28,000,000	9.70	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/1999	< 1.0	< 1.0	1.90	8.90	< 6.0	2,900	340,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/11/2000	< 0.5	< 0.5	< 0.5	< 1.0	< 5.0	2,100	58,000	0.74	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2002	0.6J	<2.5	<2.5	<2.5	<2.5	17,000	23,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2003	<50	<50	<50	<100	<50	820	81,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2003	<50	530	500	6200	<50	220	91,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/29/2004	<0.50	<0.50	<0.50	<1.0	<0.50	510	280,000 ndp	NA	NM	NM	NM	NA	NA	NA	NA	NA	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	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/24/2005	<0.50	<0.50	<0.50	<1.0	<0.50	220 Q1	16,000 Q2	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/29/2005	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	650	30,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/27/2006	<13	<13	<13	<25	<13	<1,300	58,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/28/2006	<2.5	<2.5	<2.5	<5.0	<2.5	820	130,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/19/2007	<2.5	<2.5	<2.5	<5.0	<2.5	460	76,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/25/2007	<2.0	<2.0	<2.0	<4.0	<2.0	<200	42,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/28/2008	<0.50	<0.50	<0.50	<1.0	<0.50	1,700	120,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/30/2008	<0.50	<0.50	<0.50	<1.0	<0.50	340	180,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2010	NA	NA	NA	NA	NA	74	7,000	NA	NM	NM	NM	<0.50	<0.50	NA	NA	NA	NA	NA	NA	<1.0	1,800
	2/25/2011	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/1/2011	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/29/2012	<5.0	<5.0	<5.0	<10.0	<5.0	1200	27,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA
	3/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	78,000	34,000	NA	19,000	NA	2,400 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<5.0	<5.0	<5.0	1.8	<0.50	510	75,000	NA	NM	NM	NM	NA	NA	3,800	<230	NA	16,000	<1,000	19,000	NA	2,300
	2/26/2013	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE 2

HISTORICAL GROUNDWATER MONITORING RESULTS AND BASELINE SAMPLING SUMMARY

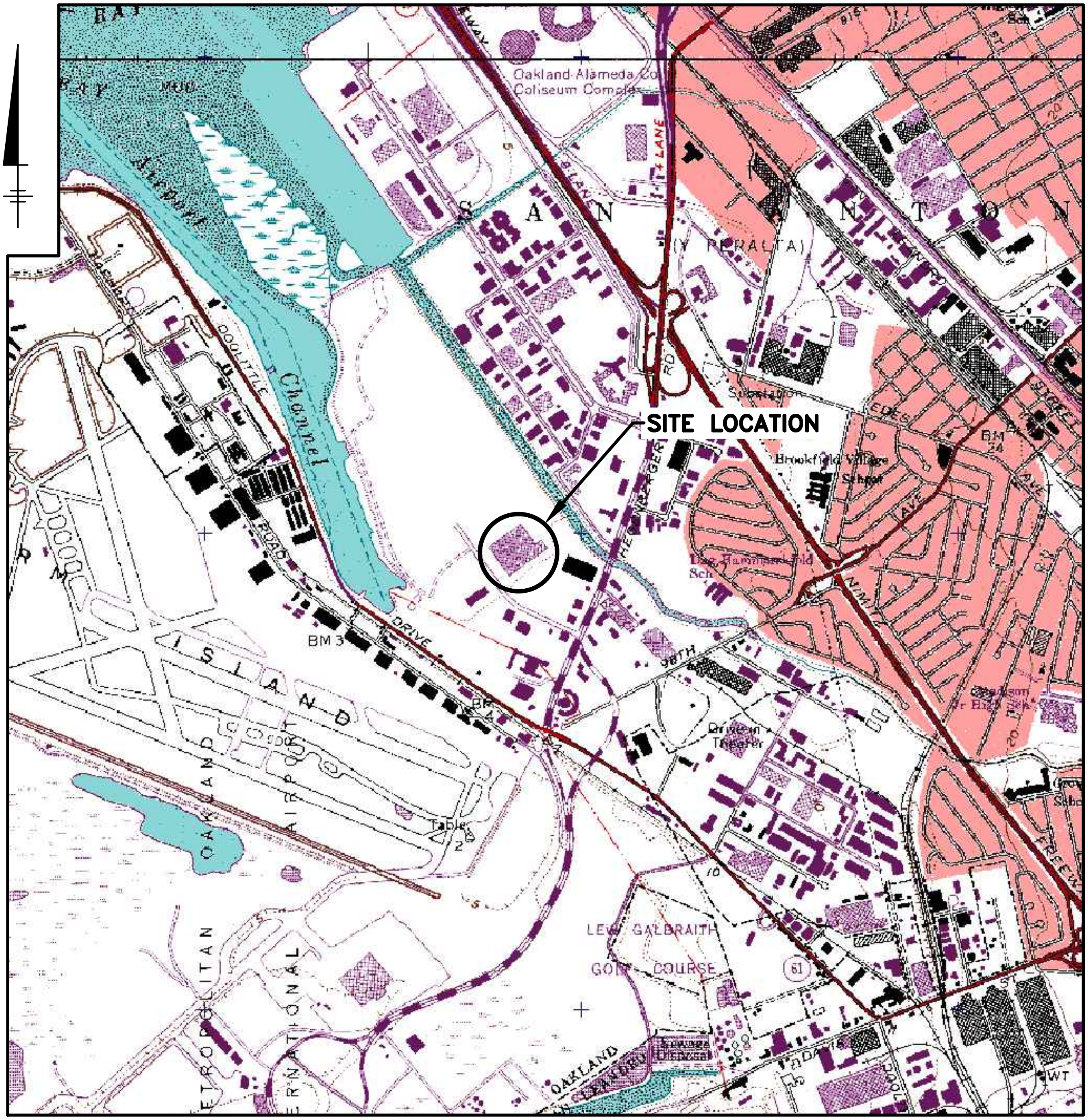
UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
STATE ID # 83

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)	Temperature °c	pH	Conductivity µs	EDB µg/L	1,2-DCA µg/L	Methane µg/L	Nitrate as Nitrogen µg/L	Magnesium µg/L	Sulfate µg/L	Sulfide µg/L	Iron µg/L	Naphthalene µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	were the	--	--	0.05	0.5	--	--	--	--	--	--	17	--
ESL - Non-Drinking Water	--	46	130	43	100	1800	210	210	--	--	--	--	150	200	--	--	--	--	--	--	24	--
IW-1	3/19/2012	NA	NA	NA	NA	NA	NA	16,000	NA	NM	NM	NM	NA	NA	NA	NA	97,000	4,500	NA	210,000	NA	1,500 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.48	NM	NM	2,639	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	NS	NS	NS	NS	NS	NS	NS	NA	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/26/2013	<5.0	<5.0	<5.0	<10	<5.0	32,000	59,000	NA	18.80	7.28	2,468	NA	NA	2,500	<230	71,000	<1,000	<1,000	15,000	42	1,500
	7/23/2013	NS	NS	NS	NS	NS	NS	NS	NA	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NA	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
IW-2	3/19/2012	NA	NA	NA	NA	NA	NA	2,500	NA	NM	NM	NM	NA	NA	NA	NA	95,000	99,000	NA	8,200	NA	3,000
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.51	NM	NM	1,443	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<5.0	<5.0	0.74	1.4	<0.50	130	3,000	NA	NM	NM	NM	NA	NA	4,500	<230	180,000	4,000	6,400	8,000	NA	2,800
	2/26/2013	<5.0	<5.0	<5.0	<10	<5.0	<500	6,200	NA	17.90	7.45	4,494	NA	NA	1,500	<230	150,000	<1,000	5,400	6,400	480	3,500
	7/23/2013	<5.0	<5.0	<5.0	<10	<5.0	<500	3,400	NA	25.28	6.46	5,531	<5.0	<5.0	3,900	<230	180,000	<1,000	3,500	13,000	430	3,700
	2/5/2014	<5.0	<5.0	<5.0	<10	<5.0	<500	8,700	NA	18.60	6.97	5,472	<5.0	<5.0	5,200	<230	150,000	<1,000	3,900	14,000	180	3,300
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	***490***	***7,500***	NM	24.1	6.84	7,183	<0.5	<0.5	3,000	<230	150,000	<1,000	3,100	10,000	11	**3,400**
IW-3	3/19/2012	NA	NA	NA	NA	NA	NA	2,400	NA	NM	NM	NM	NA	NA	NA	NA	110,000	43,000	NA	30,000	NA	3,100
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.61	NM	NM	2,471	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	91	650	NA	NM	NM	NM	NA	NA	3,800	<230	130,000	<1,000	2,200	16,000	NA	2,700
	2/26/2013	<0.50	<0.50	0.58	<1.0	<0.50	<50	1,100	NA	17.70	7.02	3,890	NA	NA	2,800	<230	140,000	<1,000	8,200	20,000	430	2,800
	7/23/2013	<2.5	<2.5	<2.5	<5.0	<2.5	<250	95	NA	25.56	6.79	3,475	<2.5	<2.5	4,400	<230	170,000	<1.0	5,400	15,000	150	2,800
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	<50	190	NA	17.80	7.01	4,035	<0.50	<0.50	4,800	<230	170,000	<1,000	4,600	22,000	15	2,900
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	**160**	NM	24.1	6.77	7,112	<0.5	<0.5	3,600	<230	150,000	<1,000	2,000	16,000	1.6	2,400
IW-4	3/19/2012	NA	NA	NA	NA	NA	NA	110,000	NA	NM	NM	NM	NA	NA	NA	NA	190,000	17,000	NA	350,000	NA	1,400 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.45	NM	NM	1,809	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	0.76	<0.50	<1.0	<0.50	160	250,000	NA	NM	NM	NM	NA	NA	1,900	<230 H	300,000	5,300	12,000	1,700	NA	1,100
	2/26/2013	<5.0	<5.0	<5.0	<10	<5.0	5,600	34,000	NA	17.00	7.02	2,058	NA	NA	3,900	<230	53,000	5,100	1,000	3,500	24	1,200
	7/23/2013	NS	NS	NS	NS	NS	NS	NS	NA	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	<5.0	<5.0	<5.0	<10	<5.0	600	170,000	NA	18.10	7.15	1948.00	<5.0	<5.0	2,700	680	89,000	<1,000	5,800	3,700	<10	1,200
	8/29/2014	<5.0	<5.0	<5.0	<10	<5.0	***2,500***	***46,000***	NM	24.1	6.78	1,885	<5.0	<5.0	5,000	<230	130,000	<1,000	2,400	4,900	<10	1,200
IW-5	3/19/2012	NA	NA	NA	NA	NA	NA	220,000	NA	NM	NM	NM	NA	NA	NA	NA	150,000	25,000	NA	270,000	NA	910 H
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.70	NM	NM	1,253	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	920	36,000	NA	NM	NM	NM	NA	NA	6,200	<230 H	85,000	<1,000	2,300	4,900	NA	810 H
	2/26/2013	<0.50	<0.50	<0.50	<1.0	<0.50	3,200	25,000	NA	16.10	7.17	1,469	NA	NA	3,200	<230	45,000	1,200	<1,000	6,000	3.8	730
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	3,500	35,000	NA	26.06	6.75	1,316	<0.50	<0.50	13,000	<230	6,300	<1,000	5,800	7,400	5.0	830
	8/12/2013	NA	NA	NA	NA	NA	NA	39,000	NA	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	770	88,000	NA	18.50	6.77	1725.00	<0.50	<0.50	6,600	<230	69,000	1,200	<1,000	10,000	3.5	950
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	***1,600***	***86,000***	NM	25.8	6.74	2,147	<0.5	<0.5	6,400	<230	120,000	<1,000	<1,000	9,000	<1.0	1,200
IW-6	3/19/2012	NA	NA	NA	NA	NA	NA	6,100	NA	NM	NM	NM	NA	NA	NA	NA	270,000	48,000	NA	270,000	NA	6,200
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.77	NM	NM	7,377	NA	NA	NA	NA	NA	NA	NA	NA	yeah	NA
	8/1/2012	<0.50	<0.50	<0.50	<1.0	<0.50	280	5,600	NA	NM	NM	NM	NA	NA	2,500	<230 H	300,000	2,100	10,000	43,000	NA	8,500
	2/26/2013	0.50	<0.50	<0.50	<1.0	<0.50	120	4,800	NA	16.10	6.56	9,861	NA	NA	3,300	<230	290,000	8,100	2,200	42,000	4.4	6,600
	7/23/2013	<0.50	<0.50	<0.50	<1.0	<0.50	110	970	NA	25.17	6.48	14,451	<0.50	<0.50	8,200	<230	410,000	<1,000	6,200	45,000	9.9	10,000
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	110	2,000	NA	17.20	6.36	15,960	<0.50	<0.50	4,900	<230	400,000	<1,000	<1,000	52,000	1.8	10,000
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	***1,200***	NM	23.8	6.61	12,810	<0.5	<0.5	2,400	<230	350,000	<1,000	1,100	54,000	<1.0	**10,000**

Notes:
1. µg/L = micrograms per liter
2. mg/L = milligrams per liter
3. NA = Not Analyzed; NS = Not Sampled; NM = Not Measured
4. TPH = total petroleum hydrocarbons; MTBE = methyl tertiary butyl ether; DCA = dichloroethane
5. Title 22 of the California Code of Regulations, California Maximum Contaminant Levels (MCLs) for drinking water
6. -- = no data
7. MCL = maximum contaminant level
8. µs = micro siemens
9. TDS = total dissolved solids
10. D.O. = dissolved oxygen
11. Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1996).
12. **Bold values indicate analytical detections above drinking water but below non-drinking water MCL.**
13. **Bold and *italicized* values indicate analytical detections above non-drinking water MCL.**
14. Shading = most recent groundwater monitoring data
15. The 9/96 and 10/96 BBL reports revealed concentrations reported as TPH as diesel that did not resemble the diesel chromatogram standard, containing > C26.
16. H = Sample was prepped or analyzed beyond the specified holding time
17. J = Estimated value between Method Detection Limit and Practical Quantification Limit
18. ndp = Hydrocarbon reported does not match the pattern of laboratory diesel standard
19. Q2 = Quantity of unknown hydrocarbon(s) in sample based on diesel
20. Q1 = Quantity of unknown hydrocarbon(s) in sample based on gasoline
21. ºC = Celsius
22. RWQCB ESLs = Regional Water Quality Control Board Environmental Screening Levels (ESLs) for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - November 2007 (Revised May 2008) San Francisco Bay Region, CA

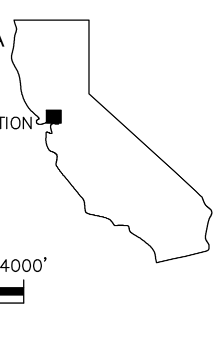
ARCADIS

Figures



NOTES:

1. Base Map Source: USGS 7.5 Minute Topographic Quadrangle, San Leandra, California (1993)
2. Property Location is Approximate.



0 2000' 4000'

APPROXIMATE SCALE: 1"=2000'

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

SITE LOCATION MAP

ARCADIS

FIGURE
1

LEGEND

AREA OF CONCERN

PROPERTY BOUNDARY

UST UNDERGROUND STORAGE TANK

0 200' 400'

GRAPHIC SCALE

SOURCE: AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH PRO.

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

FACILITY LAYOUT MAP

ARCADIS

FIGURE
2

CITY:TAMPA DIV/GROUP:ENV-141 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\TAMPA\ACTIVE\00383981 UPS Oakland\0021.003002\2nd SA August GMR\B0038398N02.dwg LAYOUT: 2 SAVED: 9/22/2014 2:42 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/22/2014 2:43 PM BY: RICHARDS, JIM
XREFS: IMAGES: PROJECTNAME: ----
AREA MAP.jpg
UPSOakland.jpg

LEGEND

- MONITORING WELL
- TEMPORARY VACUUM TEST WELL
- PHASE I INJECTION 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
- UST — UNDERGROUND STORAGE TANK

0 50' 100'

GRAPHIC SCALE

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

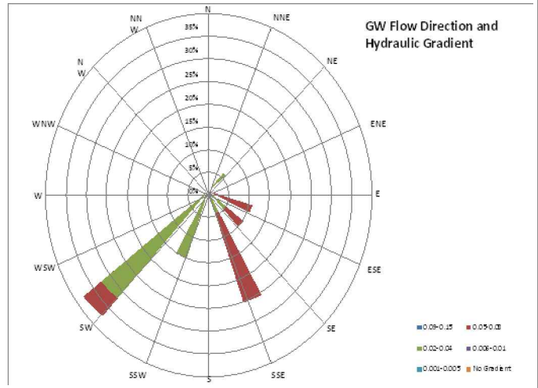
SITE MAP

ARCADIS

FIGURE
3

LEGEND

- MONITORING WELL
- TEMPORARY VACUUM TEST WELL
- PHASE I INJECTION WELL
- 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
- UST UNDERGROUND STORAGE TANK
- 5 — WATER-TABLE ELEVATION CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL = 1.0 FEET
- (4.94) WATER-TABLE ELEVATION (FEET)
- APPARENT DIRECTION OF GROUNDWATER FLOW
- * DATA NOT USED FOR CONTOURING



0 50' 100'

GRAPHIC SCALE

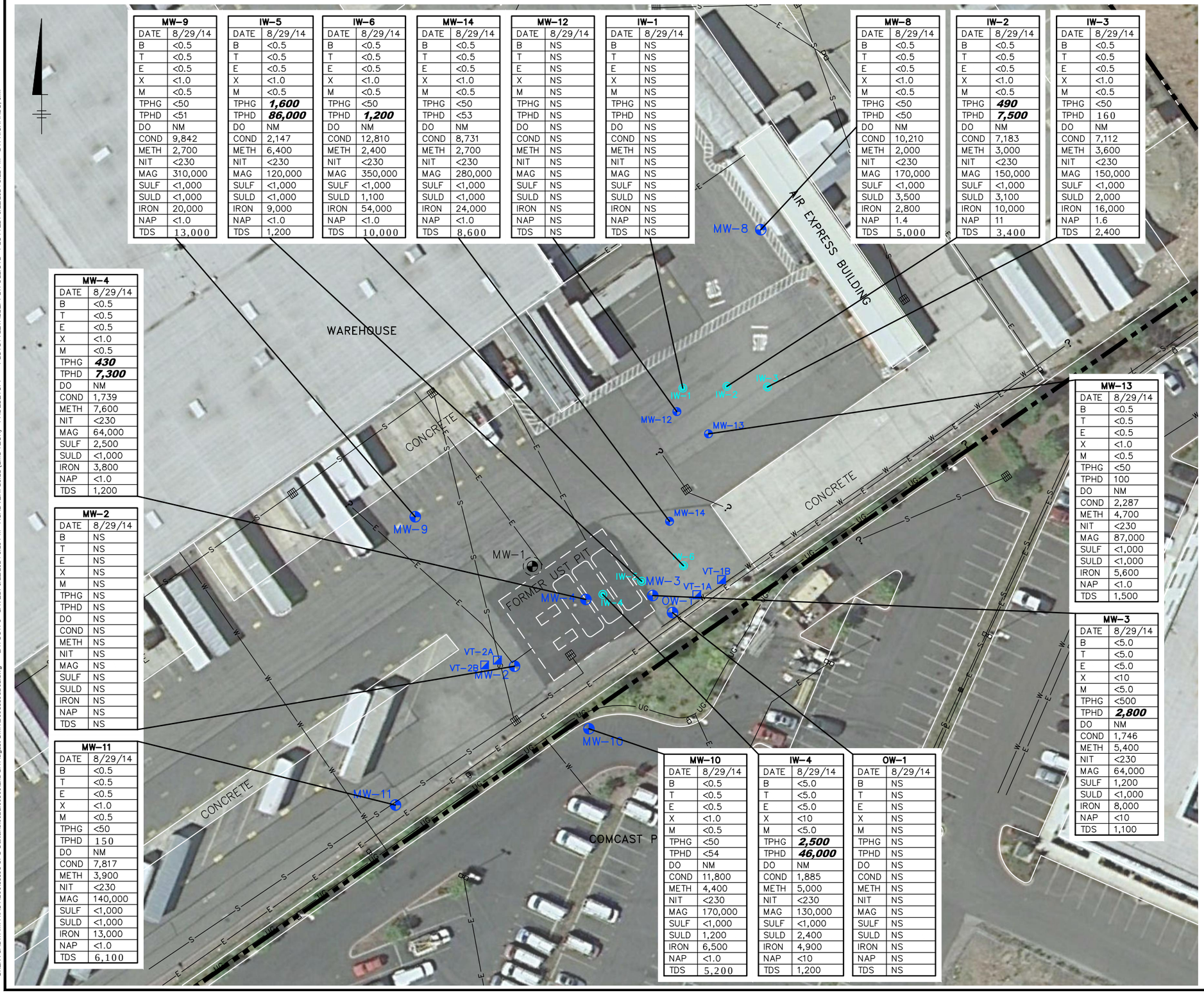
UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

GROUNDWATER CONTOUR MAP AUGUST 29, 2014

ARCADIS

FIGURE 4

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* LAYOUT: 4 SAVED: 9/22/2014 3:19 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/22/2014 3:21 PM BY: RICHARDS, JIM
G:\ENVCAD\TAMPA\ACTIVE\038398 UPS Oakland\0021.003000\2nd SA August GMR\B0038398B01.dwg



MW-9	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	<51
DO	NM
COND	9,842
METH	2,700
NIT	<230
MAG	310,000
SULF	<1,000
SULD	<1,000
IRON	20,000
NAP	<1.0
TDS	13,000

IW-5	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	***1,600***
TPHD	***86,000***
DO	NM
COND	2,147
METH	6,400
NIT	<230
MAG	120,000
SULF	<1,000
SULD	<1,000
IRON	9,000
NAP	<1.0
TDS	1,200

IW-6	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	***1,200***
DO	NM
COND	12,810
METH	2,400
NIT	<230
MAG	350,000
SULF	<1,000
SULD	1,100
IRON	54,000
NAP	<1.0
TDS	10,000

MW-14	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	<53
DO	NM
COND	8,731
METH	2,700
NIT	<230
MAG	280,000
SULF	<1,000
SULD	<1,000
IRON	24,000
NAP	<1.0
TDS	8,600

MW-12	
DATE	8/29/14
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NS
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

IW-1	
DATE	8/29/14
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NS
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

MW-8	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	<50
DO	NM
COND	10,210
METH	2,000
NIT	<230
MAG	170,000
SULF	<1,000
SULD	3,500
IRON	2,800
NAP	1.4
TDS	5,000

IW-2	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	***490***
TPHD	***7,500***
DO	NM
COND	7,183
METH	3,000
NIT	<230
MAG	150,000
SULF	<1,000
SULD	3,100
IRON	10,000
NAP	11
TDS	3,400

IW-3	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	160
DO	NM
COND	7,112
METH	3,600
NIT	<230
MAG	150,000
SULF	<1,000
SULD	2,000
IRON	16,000
NAP	1.6
TDS	2,400

MW-4	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	***430***
TPHD	***7,300***
DO	NM
COND	1,739
METH	7,600
NIT	<230
MAG	64,000
SULF	2,500
SULD	<1,000
IRON	3,800
NAP	<1.0
TDS	1,200

MW-2	
DATE	8/29/14
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NS
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

MW-11	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	150
DO	NM
COND	7,817
METH	3,900
NIT	<230
MAG	140,000
SULF	<1,000
SULD	<1,000
IRON	13,000
NAP	<1.0
TDS	6,100

MW-13	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	100
DO	NM
COND	2,287
METH	4,700
NIT	<230
MAG	87,000
SULF	<1,000
SULD	<1,000
IRON	5,600
NAP	<1.0
TDS	1,500

MW-3	
DATE	8/29/14
B	<5.0
T	<5.0
E	<5.0
X	<10
M	<5.0
TPHG	<500
TPHD	***2,800***
DO	NM
COND	1,746
METH	5,400
NIT	<230
MAG	64,000
SULF	1,200
SULD	<1,000
IRON	8,000
NAP	<10
TDS	1,100

MW-10	
DATE	8/29/14
B	<0.5
T	<0.5
E	<0.5
X	<1.0
M	<0.5
TPHG	<50
TPHD	<54
DO	NM
COND	11,800
METH	4,400
NIT	<230
MAG	170,000
SULF	<1,000
SULD	1,200
IRON	6,500
NAP	<1.0
TDS	5,200

IW-4	
DATE	8/29/14
B	<5.0
T	<5.0
E	<5.0
X	<10
M	<5.0
TPHG	***2,500***
TPHD	***46,000***
DO	NM
COND	1,885
METH	5,000
NIT	<230
MAG	130,000
SULF	<1,000
SULD	2,400
IRON	4,900
NAP	<10
TDS	1,200

OW-1	
DATE	8/29/14
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NS
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

LEGEND

- MONITORING WELL
- TEMPORARY VACUUM TEST WELL
- PHASE I INJECTION WELL
- ABANDONED MONITORING WELL
- PROPERTY BOUNDARY
- CATCH BASIN/STORM DRAIN
- LIGHT POST/ POWER POLE
- E — UNDERGROUND ELECTRICAL LINE
- S — STORM WATER/SEWER LINE
- W — WATER/FIRE SERVICE/IRRIGATION
- UG — ELECTRIC/WATER LINE
- UST — UNDERGROUND STORAGE TANK

SAMPLE LOCATION	
DATE	SAMPLE DATE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER
TPHG	TOTAL PETROLEUM HYDROCARBON GASOLINE
TPHD	TOTAL PETROLEUM HYDROCARBON DIESEL
DO	DISSOLVED OXYGEN
COND	CONDUCTIVITY
METH	METHANE
NIT	NITRATE AS NITROGEN
MAG	MAGNESIUM
SULF	SULFATE
SULD	SULFIDE
IRON	IRON
NAP	NAPHTHALENE
TDS	TOTAL DISSOLVED SOLIDS

ALL RESULTS REPORTED IN MICROGRAMS PER LITER (µg/L), EXCEPT DO AND TDS REPORTED IN MILLIGRAMS PER LITER (mg/L),
CONDUCTIVITY REPORTED IN MICROSIEMENS (µS)

< = INDICATES THAT THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

BOLD VALUES INDICATE THE CONCENTRATION EXCEEDS THE CLEANUP TARGET LEVEL LISTED IN TABLE I OF CHAPTER 62-777 F.A.C.

BOLD AND ITALICIZED VALUES INDICATE ANALYTICAL DETECTIONS ABOVE NON-DRINKING WATER MCL.

NS = NOT SAMPLED

NM = NOT MEASURED

0 50' 100'

GRAPHIC SCALE

UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

GROUNDWATER QUALITY MAP
AUGUST 29, 2014

ARCADIS

FIGURE
5

ARCADIS

Appendix A

Field Data Sheets

WELL GAUGING DATA

Project # 140829-Ow1 Date 8/29/14 Client Arcadis

Site 8400 Pardee Dr., 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	0857	4	Both	5.28	0.02		5.30	—		
MW-3	0850	4					5.00	14.50		
MW-4	0840	2					4.84	16.21		
MW-8	0835	2					4.03	12.17		
MW-9	0853	2					6.38	13.36		
MW-10	0904	2					8.30	12.25		
MW-11	0833	2					6.30	12.55		
MW-12	0900	2		5.55	0.25	151	5.80	—		
MW-13	0849	2	Sheen				4.86	9.20		
MW-14	0847	2					4.50	9.20		
OW-1	0853	6		7.30	0.06		7.36	—		
IW-1	0901	2		5.63	0.14		5.77	—		
IW-2	0844	2					5.31	9.15		
IW-3	0840	2					4.86	9.12		
IW-4	0900	2	Sheen				5.02	9.74		
IW-5	0843	2					5.10	9.30		
IW-6	0845	2					5.00	9.35		

WELLHEAD INSPECTION CHECKLIST

Client Arcadis Date 8/29/14

Site Address 8400 Pardee Dr., Oakland CA

Job Number 140829-DW1 Technician Daniel Allen

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-2	X							
MW-3						X		
MW-4	X							
MW-8	X							
MW-9	X							
MW-10	X							
MW-11	X							
MW-12	X							
MW-13	X							
MW-14	X							
OW-1	X							
IW-1	X							
IW-2	X							
IW-3	X							
IW-4	~~X~~					X		
IW-5	X							
IW-6	X						~~X~~	

NOTES:

* MW-3 2/2 tabs stripped

* IW-4 2/2 tabs broken

WELL MONITORING DATA SHEET

Project #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 5.30
Depth to Free Product: ~~5.02~~ 5.28	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]:	

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: ____

____ (Gals.) X ____ = ____ 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
* Detected 0.02' of SPH w/ Interface Probe						
* 0ml of SPH + 5ml H_2O removed from Skimmer						
* Replaced Skimmer as found						
* No Sample Collected						

Did well dewater? Yes / No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other ____

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

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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.50	Depth to Water (DTW): 5.00
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]:	

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: ____

____ (Gals.) X ____ = ____ 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
*	No Product Detected					
*	575 ml of H_2O Removed from Skimmer					
*	0 ml of SPH Removed from Skimmer					
*	Replaced Skimmer as found					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other ____

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

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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.50	Depth to Water (DTW): 5.00
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]: 6.90	

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
1118	75.5	6.95	2060	459	6.2	
	well	dewatered @	8.0 gals			
1135	76.0	6.31	1746	109	—	

Did well dewater? (Yes) No Gallons actually evacuated: 8.0

Sampling Date: 8/29/14 Sampling Time: 1135 Depth to Water: 6.84

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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 16.21	Depth to Water (DTW): 4.84
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]: 7.11	

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: _____

1.8 (Gals.) X 3 = 5.4 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	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1020	73.8	7.03	1699	>1000	1.8	
1022	75.0	6.82	1726	>1000	3.6	
1044	75.3	6.78	1739	>1000	5.4	

Did well dewater? Yes (No) Gallons actually evacuated: 5.4

Sampling Date: 8/29/14 Sampling Time: 1050 Depth to Water: 4.96

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 #: 140829-DW1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.17	Depth to Water (DTW): 4.03
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]: 5.66	

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

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

1.3 (Gals.) X 3 = 3.9 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
0920	24.3	6.82	4995	25	1.3	
0924	22.6	6.81	9372	37	2.6	
# Dewatered @	3.0	gallons				
1150	22.1	6.84	10.21 mS/cm	62	—	

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

Sampling Date: 8/28/14 Sampling Time: 1150 Depth to Water: 5.10

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 #: 140829-RW1	Client: Ariadis
Sampler: BW	Date: 8/28/14
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.36	Depth to Water (DTW): 6.38
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]: 7.56	

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

Sampling Method: Bailer; X 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	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0939	24.4	6.64	11.62	31	1.0	
* Dewatered @	1.2	gallons				
1250	23.8	6.70	9842	71	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.2

Sampling Date: 8/28/14 Sampling Time: 1250 Depth to Water: 6.85

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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.25	Depth to Water (DTW): 8.30
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: _____

0.16 (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	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0926	73.4	6.74	11.35	215	0.6	
0926	74.3	6.70	11.74	296	1.2	
0927	74.5	6.68	11.80	354	1.8	

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

Sampling Date: 8/29/14 Sampling Time: 0935 Depth to Water: 8.83

Sample I.D.: MW-10 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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.55	Depth to Water (DTW): 6.30
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]: 7.55	

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	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1000	74.3	6.63	8076	156	1.0	
1000	well	Dewatered @ 1.5 gal's				
1205	76.1	6.67	7817	625	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.5

Sampling Date: 8/29/14 Sampling Time: 1205 Depth to Water: 8.01 (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

WELL MONITORING DATA SHEET

Project #: 140829-DW1	Client: Arcadis
Sampler: BW	Date: 8/29/14
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 5.80
Depth to Free Product: 5.55	Thickness of Free Product (feet): 0.25
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

_____(Gals.) X _____ = _____ 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
* Detected 0.25' of SPH w/ Interface Probe						
* Bailed 15l ml of SPH + 0.5 gallons H2O						
* No Sample Collected						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other_____

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

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 #: 140829-Dn1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.20	Depth to Water (DTW): 4.86
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]: 5.73	

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

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

0.7 (Gals.) X 3 = 2.1 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
1017	25.9	7.04	2226	188	0.7	
* Dewatered @	1.0	gallons				
1315	24.9	7.05	2287	397	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.0

Sampling Date: 8/29/14 Sampling Time: 1315 Depth to Water: 6.31

Sample I.D.: MW-13 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 #: 140829-Dm1	Client: Ariadis
Sampler: BW	Date: 8/28/14
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.20	Depth to Water (DTW): 4.50
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]: 5.44	

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

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

0.8 (Gals.) X 3 = 2.4 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	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1030	25.5	6.61	8870	87	0.8	
* Dewatered @ 1.1 gallons						
1350	25.1	6.50	8731	135	—	
~~1315~~	~~24.9~~	~~7.05~~	~~8609~~	~~397~~	~~DW~~	

Did well dewater? (Yes) No Gallons actually evacuated: 1.1

Sampling Date: 8/29/14 Sampling Time: ~~1345~~ 1350 Depth to Water: ~~6.34~~ 6.56 (2hr)

Sample I.D.: MW-14 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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 7.36
Depth to Free Product: 7.30	Thickness of Free Product (feet): 0.06
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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: ____

____ (Gals.) X ____ = ____ 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
*	0.06'	of	SPH	Detected w/ Interface Probe		
*	85 ml	of	SPH	Removed	from	Skimmer
*	10 ml	of	H_2O	Removed	from	Skimmer
*	Replaced	Skimmer	as	found		

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other ____

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

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 #: 140829-DW1	Client: Arradis
Sampler: BW	Date: 8/29/14
Well I.D.: IW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 5.77
Depth to Free Product: 5.63	Thickness of Free Product (feet): 0.14
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other:

_____(Gals.) X _____ = _____ 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
* Detected 0.14' of SPH w/ Interface Probe						
* Bailed 85 ml SPH + 0.5 gallons H2O						
* No Sample Collected						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other_____

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

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 #: 140829-Dw1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: IW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.15	Depth to Water (DTW): 5.31
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]: 6.08	

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

Sampling Method: Bailer; X 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	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1009	25.7	6.80	4469	>1000	0.6	Very Heavy Sheen
* Dewated @	0.9 gallons					
1350	24.1	6.84	7183	>1000	—	Very Heavy Sheen

Did well dewater? (Yes) No Gallons actually evacuated: 0.9

Sampling Date: 8/28/14 Sampling Time: 1350 Depth to Water:

Sample I.D.: IW-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

WELL MONITORING DATA SHEET

Project #: 140829-Dn1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: IW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.12	Depth to Water (DTW): 4.86
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]: 5.71	

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

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

0.7 (Gals.) X	3	=	2.1 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
0954	25.8	6.88	3474	281	0.7	
* Dewatered @ 1.0 gallons						
1320	24.1	6.77	7112	148	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.0

Sampling Date: 8/28/14 Sampling Time: 1320 Depth to Water: 5.44

Sample I.D.: IW-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 #: 140829-DW1	Client: Arcadis
Sampler: DW	Date: 8/29/14
Well I.D.: IW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.74	Depth to Water (DTW): 5.02
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]: 5.96	

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:_____

0.8 (Gals.) X 3 = 2.4 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	radius² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1011	74.3	6.95	1918	>1000	0.8	
1011	75.0	6.81	1864	>1000	1.6	
1012	75.3	6.78	1885	>1000	2.4	

Did well dewater? Yes (No) Gallons actually evacuated: 2.4

Sampling Date: 8/29/14 Sampling Time: 1015 Depth to Water: 5.04

Sample I.D.: IW-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 #: 140829-Rm1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: IW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.30	Depth to Water (DTW): 5.10
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]: 5.94	

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

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

0.7 (Gals.) X 3 = 2.1 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
1105	25.6	6.87	2496	>1000	0.7	Sheen
1108	25.7	6.76	2136	>1000	1.4	
1111	25.8	6.74	2147	>1000	2.1	

Did well dewater? Yes (No) Gallons actually evacuated: 2.1

Sampling Date: 8/28/14 Sampling Time: 1115 Depth to Water: 5.12

Sample I.D.: IW-5 Laboratory: Kiff CalScience Other TA-ST

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 #: 140829-Dn1	Client: Arcadis
Sampler: BW	Date: 8/28/14
Well I.D.: IW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.35	Depth to Water (DTW): 5.00
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]: 5.87	

Purge Method: Bailer / X Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

Sampling Method: Bailer / X Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

0.7 (Gals.) X 3 = 2.1 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
1046	25.6	6.49	14.82	>1000	0.7	
1050	25.1	6.54	14.84	>1000	1.4	
* Dewatered @ 1.5 gallons						
1420	23.8	6.61	12.81	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1.5

Sampling Date: 8/28/14 Sampling Time: 1420 Depth to Water: 5.64

Sample I.D.: IW-6 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 @ UPS Oakland			PROJECT NUMBER	140929-DW1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. F°	INITIALS
ultrameter II	C017813	8/29/14 @ 0909	ph 7,10,4	7,10,4	Y	63	DW
			3900 us/cm	3900	Y	63	DW

ARCADIS

Appendix B

SOS® Passive Skimmers
Specifications

SOS® Passive Skimmers

For Low Recovery Wells

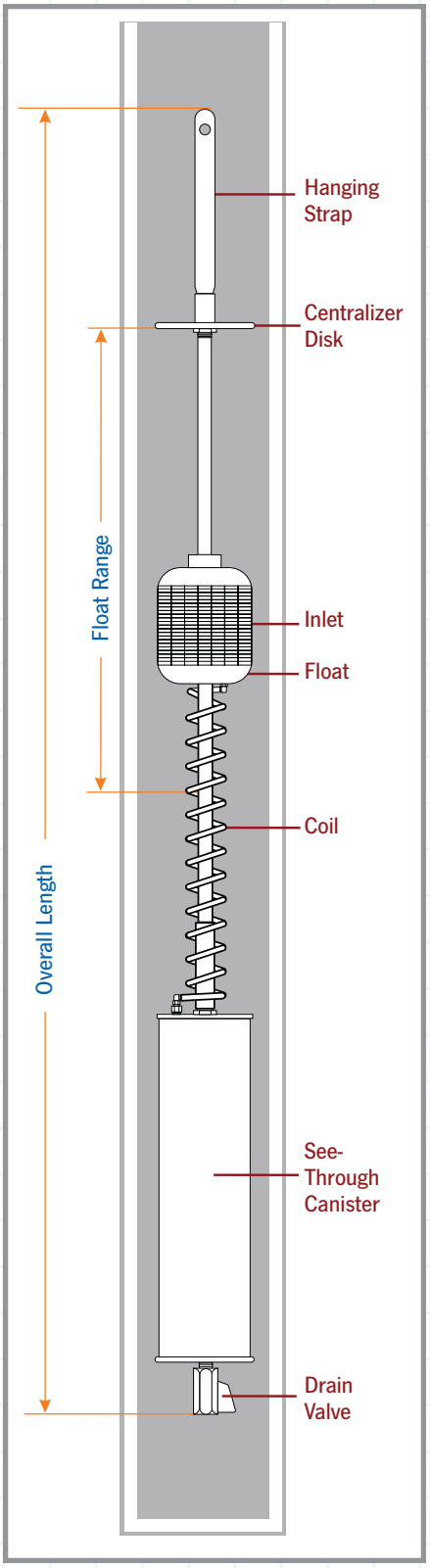
The QED family of Passive Skimmers has been designed for free product recovery applications in sites where active pumping systems are not applicable due to existing conditions or extreme low permeability formations. The floating intake head follows the groundwater fluctuations in the recovery well, allowing 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

ARCADIS

Appendix C

Laboratory Analytical Results and Chain-of-Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-59616-1
Client Project/Site: UPS-Oakland

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

Attn: Mr. Hugh B. Devery

Authorized for release by:
9/12/2014 12:51:58 PM

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
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.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-59616-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-59616-1

Comments
No additional comments.

Receipt
The samples were received on 8/29/2014 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 1.0º C, 1.8º C, 1.9º C, 2.3º C and 2.7º C.

Except:

PAH's logged as PAH-SIM Low Level PAH's, same as history.
Received 2 TB-1, not 3 as listed on the COC.

GC/MS VOA
Method 8260B: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory: IW-2 (720-59616-9), IW-3 (720-59616-10), IW-6 (720-59616-13), MW-11 (720-59616-6), MW-14 (720-59616-8), MW-8 (720-59616-3), MW-9 (720-59616-4).

Method 8260B: The following sample was diluted due to the abundance of non-target analytes and matrix interferance: MW-3 (720-59616-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270C SIM: Surrogate recovery for the following sample was outside control limits: MW-11 (720-59616-6), IW-4 (720-59616-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270C SIM: The following sample was diluted due to the abundance of non-target analytes: IW-2 (720-59616-9), IW-5 (720-59616-12), MW-3 (720-59616-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: The following sample required a dilution due to the nature of the sample matrix: IW-4 (720-59616-11), IW-5 (720-59616-12). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8015B: Capric acid Surrogate recovery for the following sample(s) was outside control limits: MW-3 (720-59616-1), IW-2 (720-59616-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B: The Diesel Range Organics (DRO) concentration reported for the following samples is due to the presence of discrete peaks: MW-11 (720-59616-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 166091 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Job ID: 720-59616-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-3 — Lab Sample ID: 720-59616-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.9		1.1		ug/L	10		8270C SIM	Total/NA
Acenaphthene	3.6		1.1		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	2.5		1.1		ug/L	10		8270C SIM	Total/NA
Fluorene	8.2		1.1		ug/L	10		8270C SIM	Total/NA
Phenanthrene	6.6		1.1		ug/L	10		8270C SIM	Total/NA
Methane (TCD)	5.4		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	2800		53		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	64		0.20		mg/L	1		6010B	Total/NA
Iron	8.0		0.50		mg/L	1		6010B	Dissolved
Manganese	7.2		0.020		mg/L	1		6010B	Dissolved
Sulfate	1.2		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 720-59616-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	430		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.21		0.11		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.0		0.11		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.84		0.11		ug/L	1		8270C SIM	Total/NA
Fluorene	1.9		0.11		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.78		0.11		ug/L	1		8270C SIM	Total/NA
Anthracene	0.51		0.11		ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.12		0.11		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.15		0.11		ug/L	1		8270C SIM	Total/NA
Pyrene	0.27		0.11		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	7.6		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	7300		160		ug/L	3		8015B	Silica Gel Cleanup
Magnesium	64		0.20		mg/L	1		6010B	Total/NA
Iron	3.8		0.50		mg/L	1		6010B	Dissolved
Manganese	5.9		0.020		mg/L	1		6010B	Dissolved
Sulfate	2.5		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 720-59616-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.4		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.3		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.25		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	2.0		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	170		0.20		mg/L	1		6010B	Total/NA
Iron	2.8		0.50		mg/L	1		6010B	Dissolved
Manganese	2.2		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	5000		25		mg/L	1		SM 2540C	Total/NA
Sulfide	3.5		1.0		mg/L	1		SM 4500 S2 F	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-9 — Lab Sample ID: 720-59616-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	2.7		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	310		0.20		mg/L	1		6010B	Total/NA
Iron	20		0.50		mg/L	1		6010B	Dissolved
Manganese	4.2		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	13000		130		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 720-59616-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	4.4		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	170		0.20		mg/L	1		6010B	Total/NA
Iron	6.5		1.0		mg/L	2		6010B	Dissolved
Manganese	4.4		0.040		mg/L	2		6010B	Dissolved
Total Dissolved Solids	5200		33		mg/L	1		SM 2540C	Total/NA
Sulfide	1.2		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 720-59616-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.25		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	3.9		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	150		52		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	140		0.20		mg/L	1		6010B	Total/NA
Iron	13		0.50		mg/L	1		6010B	Dissolved
Manganese	1.3		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	6100		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 720-59616-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.46		0.11		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.11		0.11		ug/L	1		8270C SIM	Total/NA
Fluorene	0.26		0.11		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.7		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	100		56		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	87		0.20		mg/L	1		6010B	Total/NA
Iron	5.6		0.50		mg/L	1		6010B	Dissolved
Manganese	2.0		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	1500		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 720-59616-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.15		0.11		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	2.7		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	280		0.20		mg/L	1		6010B	Total/NA
Iron	24		0.50		mg/L	1		6010B	Dissolved
Manganese	2.2		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	8600		71		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-2 — Lab Sample ID: 720-59616-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	11		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	490		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	66		2.0		ug/L	20		8270C SIM	Total/NA
Acenaphthene	82		2.0		ug/L	20		8270C SIM	Total/NA
Acenaphthylene	4.5		2.0		ug/L	20		8270C SIM	Total/NA
Fluorene	74		2.0		ug/L	20		8270C SIM	Total/NA
Phenanthrene	140		2.0		ug/L	20		8270C SIM	Total/NA
Anthracene	20		2.0		ug/L	20		8270C SIM	Total/NA
Benzo[a]anthracene	5.4		2.0		ug/L	20		8270C SIM	Total/NA
Chrysene	4.0		2.0		ug/L	20		8270C SIM	Total/NA
Benzo[b]fluoranthene	2.3		2.0		ug/L	20		8270C SIM	Total/NA
Fluoranthene	32		2.0		ug/L	20		8270C SIM	Total/NA
Pyrene	19		2.0		ug/L	20		8270C SIM	Total/NA
Methane (TCD)	3.0		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	7500		150		ug/L	3		8015B	Silica Gel Cleanup
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	10		0.50		mg/L	1		6010B	Dissolved
Manganese	2.3		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	3400		25		mg/L	1		SM 2540C	Total/NA
Sulfide	3.1		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-3 — Lab Sample ID: 720-59616-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.6		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	2.0		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.0		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.60		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.43		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.10		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	3.6		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	160		50		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	16		0.50		mg/L	1		6010B	Dissolved
Manganese	3.3		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	2400		17		mg/L	1		SM 2540C	Total/NA
Sulfide	2.0		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-4 — Lab Sample ID: 720-59616-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	2500		500		ug/L	10		8260B/CA_LUFT MS	Total/NA
Naphthalene	13		4.2		ug/L	20		8270C SIM	Total/NA
Acenaphthene	10		4.2		ug/L	20		8270C SIM	Total/NA
Acenaphthylene	14		4.2		ug/L	20		8270C SIM	Total/NA
Fluorene	46		4.2		ug/L	20		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-4 (Continued) — Lab Sample ID: 720-59616-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	35		4.2		ug/L	20		8270C SIM	Total/NA
Anthracene	8.2		4.2		ug/L	20		8270C SIM	Total/NA
Fluoranthene	4.8		4.2		ug/L	20		8270C SIM	Total/NA
Pyrene	9.7		4.2		ug/L	20		8270C SIM	Total/NA
Methane (TCD)	5.0		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	46000		520		ug/L	10		8015B	Silica Gel Cleanup
Magnesium	130		0.20		mg/L	1		6010B	Total/NA
Iron	4.9		0.50		mg/L	1		6010B	Dissolved
Manganese	7.0		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA
Sulfide	2.4		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-5 — Lab Sample ID: 720-59616-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	1600		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	14		10		ug/L	100		8270C SIM	Total/NA
Acenaphthene	66		10		ug/L	100		8270C SIM	Total/NA
Acenaphthylene	12		10		ug/L	100		8270C SIM	Total/NA
Fluorene	49		10		ug/L	100		8270C SIM	Total/NA
Phenanthrene	50		10		ug/L	100		8270C SIM	Total/NA
Methane (TCD)	6.4		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	86000		2600		ug/L	50		8015B	Silica Gel Cleanup
Magnesium	120		0.20		mg/L	1		6010B	Total/NA
Iron	9.0		0.50		mg/L	1		6010B	Dissolved
Manganese	7.6		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 720-59616-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.1		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.43		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.32		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	2.1		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.5		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.23		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	2.4		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	1200		52		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	350		0.20		mg/L	1		6010B	Total/NA
Iron	54		0.50		mg/L	1		6010B	Dissolved
Manganese	3.5		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	10000		100		mg/L	1		SM 2540C	Total/NA
Sulfide	1.1		1.0		mg/L	1		SM 4500 S2 F	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-3
Date Collected: 08/29/14 11:35
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-1
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		5.0		ug/L			09/03/14 13:48	10
Benzene	ND		5.0		ug/L			09/03/14 13:48	10
Ethylbenzene	ND		5.0		ug/L			09/03/14 13:48	10
Naphthalene	ND		10		ug/L			09/03/14 13:48	10
Toluene	ND		5.0		ug/L			09/03/14 13:48	10
Xylenes, Total	ND		10		ug/L			09/03/14 13:48	10
Gasoline Range Organics (GRO) -C5-C12	ND		500		ug/L			09/03/14 13:48	10
1,2-DCA	ND		5.0		ug/L			09/03/14 13:48	10
EDB	ND		5.0		ug/L			09/03/14 13:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*09/03/14 13:48*	*10*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*		*09/03/14 13:48*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/03/14 13:48*	*10*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.9**		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Acenaphthene	**3.6**		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Acenaphthylene	**2.5**		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Fluorene	**8.2**		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Phenanthrene	**6.6**		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Anthracene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Benzo[a]anthracene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Chrysene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Benzo[a]pyrene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Benzo[b]fluoranthene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Benzo[k]fluoranthene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Benzo[g,h,i]perylene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Indeno[1,2,3-cd]pyrene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Fluoranthene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Pyrene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10
Dibenz(a,h)anthracene	ND		1.1		ug/L		09/05/14 07:57	09/06/14 14:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*29 - 120*	*09/05/14 07:57*	*09/06/14 14:07*	*10*
Terphenyl-d14	*59*		*45 - 120*	*09/05/14 07:57*	*09/06/14 14:07*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.4**		1.0		mg/L			09/11/14 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2800**		53		ug/L		09/05/14 10:07	09/05/14 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*6*	*X*	*0 - 5*	*09/05/14 10:07*	*09/05/14 23:32*	*1*
p-Terphenyl	*76*		*31 - 150*	*09/05/14 10:07*	*09/05/14 23:32*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-3
Date Collected: 08/29/14 11:35
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-1
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**64**		0.20		mg/L		08/30/14 15:02	09/02/14 16:57	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**8.0**		0.50		mg/L		09/03/14 10:22	09/03/14 14:51	1
Manganese	**7.2**		0.020		mg/L		09/03/14 10:22	09/03/14 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 19:41	1
Sulfate	**1.2**		1.0		mg/L			08/29/14 19:41	1
Total Dissolved Solids	**1100**		10		mg/L			09/03/14 23:19	1
Sulfide	ND		1.0		mg/L			09/04/14 01:20	1

Client Sample ID: MW-4
Date Collected: 08/29/14 10:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-2
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			09/03/14 14:16	1
Benzene	ND		0.50		ug/L			09/03/14 14:16	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 14:16	1
Naphthalene	ND		1.0		ug/L			09/03/14 14:16	1
Toluene	ND		0.50		ug/L			09/03/14 14:16	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 14:16	1
Gasoline Range Organics (GRO) -C5-C12	**430**		50		ug/L			09/03/14 14:16	1
1,2-DCA	ND		0.50		ug/L			09/03/14 14:16	1
EDB	ND		0.50		ug/L			09/03/14 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/03/14 14:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*		*09/03/14 14:16*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/03/14 14:16*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.21**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Acenaphthene	**1.0**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Acenaphthylene	**0.84**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Fluorene	**1.9**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Phenanthrene	**0.78**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Anthracene	**0.51**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Benzo[a]anthracene	**0.12**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Chrysene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Benzo[a]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Benzo[b]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Benzo[k]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Fluoranthene	**0.15**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Pyrene	**0.27**		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*29 - 120*	*09/05/14 07:57*	*09/05/14 16:14*	*1*
Terphenyl-d14	*55*		*45 - 120*	*09/05/14 07:57*	*09/05/14 16:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**7.6**		1.0		mg/L			09/11/14 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7300**		160		ug/L		09/05/14 10:07	09/07/14 17:41	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*4*		*0 - 5*	*09/05/14 10:07*	*09/07/14 17:41*	*3*
p-Terphenyl	*85*		*31 - 150*	*09/05/14 10:07*	*09/07/14 17:41*	*3*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-4
Date Collected: 08/29/14 10:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**64**		0.20		mg/L		08/30/14 15:02	09/02/14 17:01	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.8**		0.50		mg/L		09/03/14 10:22	09/03/14 15:00	1
Manganese	**5.9**		0.020		mg/L		09/03/14 10:22	09/03/14 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 20:00	1
Sulfate	**2.5**		1.0		mg/L			08/29/14 20:00	1
Total Dissolved Solids	**1200**		10		mg/L			09/03/14 23:24	1
Sulfide	ND		1.0		mg/L			09/04/14 01:23	1

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-8
Date Collected: 08/29/14 11:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-3
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			09/03/14 14:45	1
Benzene	ND		0.50		ug/L			09/03/14 14:45	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 14:45	1
Naphthalene	**1.4**		1.0		ug/L			09/03/14 14:45	1
Toluene	ND		0.50		ug/L			09/03/14 14:45	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 14:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 14:45	1
1,2-DCA	ND		0.50		ug/L			09/03/14 14:45	1
EDB	ND		0.50		ug/L			09/03/14 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*09/03/14 14:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*09/03/14 14:45*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/03/14 14:45*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.3**		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Acenaphthene	**0.25**		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Acenaphthylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Fluorene	**0.11**		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Phenanthrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*09/05/14 07:57*	*09/05/14 16:38*	*1*
Terphenyl-d14	*68*		*45 - 120*	*09/05/14 07:57*	*09/05/14 16:38*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.0**		1.0		mg/L			09/11/14 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/05/14 10:07	09/06/14 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/06/14 00:21*	*1*
p-Terphenyl	*86*		*31 - 150*	*09/05/14 10:07*	*09/06/14 00:21*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-8
Date Collected: 08/29/14 11:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-3
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**170**		0.20		mg/L		08/30/14 15:02	09/02/14 17:06	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.8**		0.50		mg/L		09/03/14 10:22	09/03/14 15:05	1
Manganese	**2.2**		0.020		mg/L		09/03/14 10:22	09/03/14 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 20:17	1
Sulfate	ND		1.0		mg/L			08/29/14 20:17	1
Total Dissolved Solids	**5000**		25		mg/L			09/03/14 23:26	1
Sulfide	**3.5**		1.0		mg/L			09/04/14 01:26	1

Client Sample ID: MW-9
Date Collected: 08/29/14 12:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-4
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			09/03/14 15:13	1
Benzene	ND		0.50		ug/L			09/03/14 15:13	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 15:13	1
Naphthalene	ND		1.0		ug/L			09/03/14 15:13	1
Toluene	ND		0.50		ug/L			09/03/14 15:13	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 15:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 15:13	1
1,2-DCA	ND		0.50		ug/L			09/03/14 15:13	1
EDB	ND		0.50		ug/L			09/03/14 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*09/03/14 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*09/03/14 15:13*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/03/14 15:13*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Acenaphthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Acenaphthylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Fluorene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Phenanthrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*29 - 120*	*09/05/14 07:57*	*09/05/14 17:01*	*1*
Terphenyl-d14	*68*		*45 - 120*	*09/05/14 07:57*	*09/05/14 17:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.7**		1.0		mg/L			09/11/14 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		09/05/14 10:07	09/06/14 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/06/14 00:45*	*1*
p-Terphenyl	*84*		*31 - 150*	*09/05/14 10:07*	*09/06/14 00:45*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-9
Date Collected: 08/29/14 12:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-4
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**310**		0.20		mg/L		08/30/14 15:02	09/02/14 17:11	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**20**		0.50		mg/L		09/03/14 10:22	09/03/14 15:10	1
Manganese	**4.2**		0.020		mg/L		09/03/14 10:22	09/03/14 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 20:34	1
Sulfate	ND		1.0		mg/L			08/29/14 20:34	1
Total Dissolved Solids	**13000**		130		mg/L			09/05/14 00:02	1
Sulfide	ND		1.0		mg/L			09/05/14 02:15	1

Client Sample ID: MW-10
Date Collected: 08/29/14 09:35
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-5
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			09/03/14 15:42	1
Benzene	ND		0.50		ug/L			09/03/14 15:42	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 15:42	1
Naphthalene	ND		1.0		ug/L			09/03/14 15:42	1
Toluene	ND		0.50		ug/L			09/03/14 15:42	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 15:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 15:42	1
1,2-DCA	ND		0.50		ug/L			09/03/14 15:42	1
EDB	ND		0.50		ug/L			09/03/14 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/03/14 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 130*		*09/03/14 15:42*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/03/14 15:42*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Acenaphthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Acenaphthylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Fluorene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Phenanthrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Benzo[a]anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Chrysene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Benzo[a]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Benzo[b]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Benzo[k]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*29 - 120*	*09/05/14 07:57*	*09/05/14 17:24*	*1*
Terphenyl-d14	*51*		*45 - 120*	*09/05/14 07:57*	*09/05/14 17:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.4**		1.0		mg/L			09/11/14 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		54		ug/L		09/05/14 10:07	09/06/14 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.05*		*0 - 5*	*09/05/14 10:07*	*09/06/14 01:09*	*1*
p-Terphenyl	*80*		*31 - 150*	*09/05/14 10:07*	*09/06/14 01:09*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-10
Date Collected: 08/29/14 09:35
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-5
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**170**		0.20		mg/L		08/30/14 15:02	09/02/14 17:16	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**6.5**		1.0		mg/L		09/03/14 10:22	09/03/14 22:40	2
Manganese	**4.4**		0.040		mg/L		09/03/14 10:22	09/03/14 22:40	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 20:51	1
Sulfate	ND		1.0		mg/L			08/29/14 20:51	1
Total Dissolved Solids	**5200**		33		mg/L			09/05/14 00:04	1
Sulfide	**1.2**		1.0		mg/L			09/05/14 02:26	1

Client Sample ID: MW-11
Date Collected: 08/29/14 12:05
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-6
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		0.50		ug/L			09/03/14 16:10	1
Benzene	ND		0.50		ug/L			09/03/14 16:10	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 16:10	1
Naphthalene	ND		1.0		ug/L			09/03/14 16:10	1
Toluene	ND		0.50		ug/L			09/03/14 16:10	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 16:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 16:10	1
1,2-DCA	ND		0.50		ug/L			09/03/14 16:10	1
EDB	ND		0.50		ug/L			09/03/14 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*09/03/14 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*		*09/03/14 16:10*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/03/14 16:10*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.25**		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Acenaphthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Acenaphthylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Fluorene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Phenanthrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*09/05/14 07:57*	*09/05/14 17:47*	*1*
Terphenyl-d14	*41*	*X*	*45 - 120*	*09/05/14 07:57*	*09/05/14 17:47*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.9**		1.0		mg/L			09/11/14 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**150**		52		ug/L		09/05/14 10:07	09/06/14 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/06/14 01:33*	*1*
p-Terphenyl	*78*		*31 - 150*	*09/05/14 10:07*	*09/06/14 01:33*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-11
Date Collected: 08/29/14 12:05
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-6
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	140		0.20		mg/L		08/30/14 15:02	09/02/14 17:21	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	13		0.50		mg/L		09/03/14 10:22	09/03/14 15:20	1
Manganese	1.3		0.020		mg/L		09/03/14 10:22	09/03/14 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 21:09	1
Sulfate	ND		1.0		mg/L			08/29/14 21:09	1
Total Dissolved Solids	6100		50		mg/L			09/05/14 00:07	1
Sulfide	ND		1.0		mg/L			09/05/14 02:30	1

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-13
Date Collected: 08/29/14 13:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-7
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			09/03/14 16:39	1
Benzene	ND		0.50		ug/L			09/03/14 16:39	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 16:39	1
Naphthalene	ND		1.0		ug/L			09/03/14 16:39	1
Toluene	ND		0.50		ug/L			09/03/14 16:39	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 16:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 16:39	1
1,2-DCA	ND		0.50		ug/L			09/03/14 16:39	1
EDB	ND		0.50		ug/L			09/03/14 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/03/14 16:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*		*09/03/14 16:39*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/03/14 16:39*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.46**		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Acenaphthene	**0.11**		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Acenaphthylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Fluorene	**0.26**		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Phenanthrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Benzo[a]anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Chrysene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Benzo[a]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Benzo[b]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Benzo[k]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*29 - 120*	*09/05/14 07:57*	*09/05/14 18:10*	*1*
Terphenyl-d14	*68*		*45 - 120*	*09/05/14 07:57*	*09/05/14 18:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.7**		1.0		mg/L			09/11/14 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**100**		56		ug/L		09/05/14 10:07	09/06/14 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0002*		*0 - 5*	*09/05/14 10:07*	*09/06/14 01:58*	*1*
p-Terphenyl	*77*		*31 - 150*	*09/05/14 10:07*	*09/06/14 01:58*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-13
Date Collected: 08/29/14 13:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-7
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**87**		0.20		mg/L		08/30/14 15:02	09/02/14 17:26	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**5.6**		0.50		mg/L		09/03/14 10:22	09/03/14 15:25	1
Manganese	**2.0**		0.020		mg/L		09/03/14 10:22	09/03/14 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 21:26	1
Sulfate	ND		1.0		mg/L			08/29/14 21:26	1
Total Dissolved Solids	**1500**		10		mg/L			09/05/14 00:09	1
Sulfide	ND		1.0		mg/L			09/05/14 02:33	1

Client Sample ID: MW-14
Date Collected: 08/29/14 13:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-8
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			09/03/14 17:07	1
Benzene	ND		0.50		ug/L			09/03/14 17:07	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 17:07	1
Naphthalene	ND		1.0		ug/L			09/03/14 17:07	1
Toluene	ND		0.50		ug/L			09/03/14 17:07	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 17:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 17:07	1
1,2-DCA	ND		0.50		ug/L			09/03/14 17:07	1
EDB	ND		0.50		ug/L			09/03/14 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/03/14 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*		*09/03/14 17:07*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/03/14 17:07*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.15**		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Acenaphthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Acenaphthylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Fluorene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Phenanthrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Benzo[a]anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Chrysene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Benzo[a]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Benzo[b]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Benzo[k]fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Fluoranthene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Pyrene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		09/05/14 07:57	09/05/14 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*29 - 120*	*09/05/14 07:57*	*09/05/14 18:33*	*1*
Terphenyl-d14	*64*		*45 - 120*	*09/05/14 07:57*	*09/05/14 18:33*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.7**		1.0		mg/L			09/11/14 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		53		ug/L		09/05/14 10:07	09/06/14 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.05*		*0 - 5*	*09/05/14 10:07*	*09/06/14 02:22*	*1*
p-Terphenyl	*88*		*31 - 150*	*09/05/14 10:07*	*09/06/14 02:22*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: MW-14
Date Collected: 08/29/14 13:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-8
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**280**		0.20		mg/L		08/30/14 15:02	09/02/14 17:31	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**24**		0.50		mg/L		09/03/14 10:22	09/03/14 15:39	1
Manganese	**2.2**		0.020		mg/L		09/03/14 10:22	09/03/14 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 21:43	1
Sulfate	ND		1.0		mg/L			08/29/14 21:43	1
Total Dissolved Solids	**8600**		71		mg/L			09/05/14 00:12	1
Sulfide	ND		1.0		mg/L			09/05/14 02:37	1

Client Sample ID: IW-2

Lab Sample ID: 720-59616-9

Date Collected: 08/29/14 13:50

Matrix: Water

Date Received: 08/29/14 19:00

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			09/04/14 17:31	1
Benzene	ND		0.50		ug/L			09/04/14 17:31	1
Ethylbenzene	ND		0.50		ug/L			09/04/14 17:31	1
Naphthalene	**11**		1.0		ug/L			09/04/14 17:31	1
Toluene	ND		0.50		ug/L			09/04/14 17:31	1
Xylenes, Total	ND		1.0		ug/L			09/04/14 17:31	1
Gasoline Range Organics (GRO) -C5-C12	**490**		50		ug/L			09/04/14 17:31	1
1,2-DCA	ND		0.50		ug/L			09/04/14 17:31	1
EDB	ND		0.50		ug/L			09/04/14 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/04/14 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 130*		*09/04/14 17:31*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/04/14 17:31*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**66**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Acenaphthene	**82**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Acenaphthylene	**4.5**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Fluorene	**74**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Phenanthrene	**140**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Anthracene	**20**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Benzo[a]anthracene	**5.4**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Chrysene	**4.0**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Benzo[a]pyrene	ND		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Benzo[b]fluoranthene	**2.3**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Benzo[k]fluoranthene	ND		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Benzo[g,h,i]perylene	ND		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Indeno[1,2,3-cd]pyrene	ND		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Fluoranthene	**32**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Pyrene	**19**		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20
Dibenz(a,h)anthracene	ND		2.0		ug/L		09/05/14 07:57	09/06/14 14:53	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*29 - 120*	*09/05/14 07:57*	*09/06/14 14:53*	*20*
Terphenyl-d14	*64*		*45 - 120*	*09/05/14 07:57*	*09/06/14 14:53*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.0**		1.0		mg/L			09/11/14 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7500**		150		ug/L		09/05/14 10:07	09/07/14 18:06	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*6*	*X*	*0 - 5*	*09/05/14 10:07*	*09/07/14 18:06*	*3*
p-Terphenyl	*84*		*31 - 150*	*09/05/14 10:07*	*09/07/14 18:06*	*3*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-2
Date Collected: 08/29/14 13:50
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-9
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	150		0.20		mg/L		08/30/14 15:02	09/02/14 17:45	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	10		0.50		mg/L		09/03/14 10:22	09/03/14 15:44	1
Manganese	2.3		0.020		mg/L		09/03/14 10:22	09/03/14 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 23:43	1
Sulfate	ND		1.0		mg/L			08/29/14 23:43	1
Total Dissolved Solids	3400		25		mg/L			09/05/14 00:14	1
Sulfide	3.1		1.0		mg/L			09/05/14 02:41	1

Client Sample ID: IW-3
Date Collected: 08/29/14 13:20
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-10
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			09/04/14 02:36	1
Benzene	ND		0.50		ug/L			09/04/14 02:36	1
Ethylbenzene	ND		0.50		ug/L			09/04/14 02:36	1
Naphthalene	**1.6**		1.0		ug/L			09/04/14 02:36	1
Toluene	ND		0.50		ug/L			09/04/14 02:36	1
Xylenes, Total	ND		1.0		ug/L			09/04/14 02:36	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/04/14 02:36	1
1,2-DCA	ND		0.50		ug/L			09/04/14 02:36	1
EDB	ND		0.50		ug/L			09/04/14 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/04/14 02:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*09/04/14 02:36*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/04/14 02:36*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2.0**		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Acenaphthene	**1.0**		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Acenaphthylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Fluorene	**0.60**		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Phenanthrene	**0.43**		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Fluoranthene	**0.10**		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*29 - 120*	*09/05/14 07:57*	*09/05/14 18:56*	*1*
Terphenyl-d14	*69*		*45 - 120*	*09/05/14 07:57*	*09/05/14 18:56*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.6**		1.0		mg/L			09/11/14 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**160**		50		ug/L		09/05/14 10:07	09/06/14 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 5*	*09/05/14 10:07*	*09/06/14 00:03*	*1*
p-Terphenyl	*83*		*31 - 150*	*09/05/14 10:07*	*09/06/14 00:03*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-3
Date Collected: 08/29/14 13:20
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-10
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	150		0.20		mg/L		08/30/14 15:02	09/02/14 17:50	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	16		0.50		mg/L		09/03/14 10:22	09/03/14 15:49	1
Manganese	3.3		0.020		mg/L		09/03/14 10:22	09/03/14 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/30/14 00:00	1
Sulfate	ND		1.0		mg/L			08/30/14 00:00	1
Total Dissolved Solids	2400		17		mg/L			09/05/14 00:17	1
Sulfide	2.0		1.0		mg/L			09/05/14 02:45	1

Client Sample ID: IW-4
Date Collected: 08/29/14 10:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-11
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			09/04/14 03:04	10
Benzene	ND		5.0		ug/L			09/04/14 03:04	10
Ethylbenzene	ND		5.0		ug/L			09/04/14 03:04	10
Naphthalene	ND		10		ug/L			09/04/14 03:04	10
Toluene	ND		5.0		ug/L			09/04/14 03:04	10
Xylenes, Total	ND		10		ug/L			09/04/14 03:04	10
Gasoline Range Organics (GRO) -C5-C12	**2500**		500		ug/L			09/04/14 03:04	10
1,2-DCA	ND		5.0		ug/L			09/04/14 03:04	10
EDB	ND		5.0		ug/L			09/04/14 03:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/04/14 03:04*	*10*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*		*09/04/14 03:04*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/04/14 03:04*	*10*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**13**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Acenaphthene	**10**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Acenaphthylene	**14**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Fluorene	**46**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Phenanthrene	**35**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Anthracene	**8.2**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Benzo[a]anthracene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Chrysene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Benzo[a]pyrene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Benzo[b]fluoranthene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Benzo[k]fluoranthene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Benzo[g,h,i]perylene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Indeno[1,2,3-cd]pyrene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Fluoranthene	**4.8**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Pyrene	**9.7**		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20
Dibenz(a,h)anthracene	ND		4.2		ug/L		09/05/14 07:57	09/08/14 11:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*29 - 120*	*09/05/14 07:57*	*09/08/14 11:05*	*20*
Terphenyl-d14	*38*	*X*	*45 - 120*	*09/05/14 07:57*	*09/08/14 11:05*	*20*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.0**		1.0		mg/L			09/11/14 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**46000**		520		ug/L		09/05/14 10:07	09/07/14 18:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/07/14 18:30*	*10*
p-Terphenyl	*0*	*X D*	*31 - 150*	*09/05/14 10:07*	*09/07/14 18:30*	*10*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-4
Date Collected: 08/29/14 10:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-11
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**130**		0.20		mg/L		08/30/14 15:02	09/02/14 17:55	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.9**		0.50		mg/L		09/03/14 10:22	09/03/14 15:54	1
Manganese	**7.0**		0.020		mg/L		09/03/14 10:22	09/03/14 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/30/14 00:18	1
Sulfate	ND		1.0		mg/L			08/30/14 00:18	1
Total Dissolved Solids	**1200**		10		mg/L			09/05/14 00:19	1
Sulfide	**2.4**		1.0		mg/L			09/05/14 02:48	1

Client Sample ID: IW-5
Date Collected: 08/29/14 11:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-12
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			09/04/14 03:33	1
Benzene	ND		0.50		ug/L			09/04/14 03:33	1
Ethylbenzene	ND		0.50		ug/L			09/04/14 03:33	1
Naphthalene	ND		1.0		ug/L			09/04/14 03:33	1
Toluene	ND		0.50		ug/L			09/04/14 03:33	1
Xylenes, Total	ND		1.0		ug/L			09/04/14 03:33	1
Gasoline Range Organics (GRO) -C5-C12	**1600**		50		ug/L			09/04/14 03:33	1
1,2-DCA	ND		0.50		ug/L			09/04/14 03:33	1
EDB	ND		0.50		ug/L			09/04/14 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/04/14 03:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*		*09/04/14 03:33*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/04/14 03:33*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**14**		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Acenaphthene	**66**		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Acenaphthylene	**12**		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Fluorene	**49**		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Phenanthrene	**50**		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Anthracene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Benzo[a]anthracene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Chrysene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Benzo[a]pyrene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Benzo[b]fluoranthene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Benzo[k]fluoranthene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Benzo[g,h,i]perylene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Fluoranthene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Pyrene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100
Dibenz(a,h)anthracene	ND		10		ug/L		09/05/14 07:57	09/06/14 14:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*29 - 120*	*09/05/14 07:57*	*09/06/14 14:30*	*100*
Terphenyl-d14	*65*		*45 - 120*	*09/05/14 07:57*	*09/06/14 14:30*	*100*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**6.4**		1.0		mg/L			09/11/14 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**86000**		2600		ug/L		09/05/14 10:07	09/08/14 10:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/08/14 10:49*	*50*
p-Terphenyl	*0*	*D X*	*31 - 150*	*09/05/14 10:07*	*09/08/14 10:49*	*50*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-5
Date Collected: 08/29/14 11:15
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-12
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	120		0.20		mg/L		08/30/14 15:02	09/02/14 17:59	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	9.0		0.50		mg/L		09/03/14 10:22	09/03/14 15:59	1
Manganese	7.6		0.020		mg/L		09/03/14 10:22	09/03/14 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/30/14 00:35	1
Sulfate	ND		1.0		mg/L			08/30/14 00:35	1
Total Dissolved Solids	1200		10		mg/L			09/05/14 00:22	1
Sulfide	ND		1.0		mg/L			09/05/14 02:52	1

Client Sample ID: IW-6
Date Collected: 08/29/14 14:20
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-13
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			09/04/14 04:01	1
Benzene	ND		0.50		ug/L			09/04/14 04:01	1
Ethylbenzene	ND		0.50		ug/L			09/04/14 04:01	1
Naphthalene	ND		1.0		ug/L			09/04/14 04:01	1
Toluene	ND		0.50		ug/L			09/04/14 04:01	1
Xylenes, Total	ND		1.0		ug/L			09/04/14 04:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/04/14 04:01	1
1,2-DCA	ND		0.50		ug/L			09/04/14 04:01	1
EDB	ND		0.50		ug/L			09/04/14 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*09/04/14 04:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*		*09/04/14 04:01*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/04/14 04:01*	*1*

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.1**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Acenaphthene	**0.43**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Acenaphthylene	**0.32**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Fluorene	**2.1**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Phenanthrene	**1.5**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Anthracene	**0.23**		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*29 - 120*	*09/05/14 07:57*	*09/05/14 19:19*	*1*
Terphenyl-d14	*81*		*45 - 120*	*09/05/14 07:57*	*09/05/14 19:19*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.4**		1.0		mg/L			09/11/14 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1200**		52		ug/L		09/05/14 10:07	09/06/14 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*2*		*0 - 5*	*09/05/14 10:07*	*09/06/14 02:46*	*1*
p-Terphenyl	*87*		*31 - 150*	*09/05/14 10:07*	*09/06/14 02:46*	*1*

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-6
Date Collected: 08/29/14 14:20
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-13
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	350		0.20		mg/L		08/30/14 15:02	09/02/14 18:04	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	54		0.50		mg/L		09/03/14 10:30	09/03/14 16:04	1
Manganese	3.5		0.020		mg/L		09/03/14 10:30	09/03/14 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/30/14 00:52	1
Sulfate	ND		1.0		mg/L			08/30/14 00:52	1
Total Dissolved Solids	10000		100		mg/L			09/05/14 00:24	1
Sulfide	1.1		1.0		mg/L			09/05/14 02:56	1

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

Lab Sample ID: MB 720-166066/4
Matrix: Water
Analysis Batch: 166066

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			09/03/14 09:02	1
Benzene	ND		0.50		ug/L			09/03/14 09:02	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 09:02	1
Naphthalene	ND		1.0		ug/L			09/03/14 09:02	1
Toluene	ND		0.50		ug/L			09/03/14 09:02	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 09:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 09:02	1
1,2-DCA	ND		0.50		ug/L			09/03/14 09:02	1
EDB	ND		0.50		ug/L			09/03/14 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/03/14 09:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*72 - 130*		*09/03/14 09:02*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/03/14 09:02*	*1*

Lab Sample ID: LCS 720-166066/5
Matrix: Water
Analysis Batch: 166066

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	23.3		ug/L		93	62 - 130
Benzene	25.0	24.4		ug/L		98	79 - 130
Ethylbenzene	25.0	24.8		ug/L		99	80 - 120
Naphthalene	25.0	26.3		ug/L		105	70 - 130
Toluene	25.0	24.3		ug/L		97	78 - 120
m-Xylene & p-Xylene	25.0	24.7		ug/L		99	70 - 142
o-Xylene	25.0	23.8		ug/L		95	70 - 130
1,2-DCA	25.0	21.8		ug/L		87	61 - 132
EDB	25.0	24.3		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*85*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCS 720-166066/7
Matrix: Water
Analysis Batch: 166066

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	541		ug/L		108	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*

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

Lab Sample ID: LCS 720-166066/7
Matrix: Water
Analysis Batch: 166066

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 720-166066/6
Matrix: Water
Analysis Batch: 166066

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	24.1		ug/L		96	62 - 130	4	20
Benzene			25.0	24.3		ug/L		97	79 - 130	1	20
Ethylbenzene			25.0	24.1		ug/L		96	80 - 120	3	20
Naphthalene			25.0	25.5		ug/L		102	70 - 130	3	20
Toluene			25.0	23.7		ug/L		95	78 - 120	2	20
m-Xylene & p-Xylene			25.0	24.0		ug/L		96	70 - 142	3	20
o-Xylene			25.0	24.5		ug/L		98	70 - 130	3	20
1,2-DCA			25.0	22.3		ug/L		89	61 - 132	2	20
EDB			25.0	25.0		ug/L		100	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-166066/8
Matrix: Water
Analysis Batch: 166066

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	529		ug/L		106	62 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 720-166117/4
Matrix: Water
Analysis Batch: 166117

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			09/03/14 19:01	1
Benzene	ND		0.50		ug/L			09/03/14 19:01	1
Ethylbenzene	ND		0.50		ug/L			09/03/14 19:01	1
Naphthalene	ND		1.0		ug/L			09/03/14 19:01	1
Toluene	ND		0.50		ug/L			09/03/14 19:01	1
Xylenes, Total	ND		1.0		ug/L			09/03/14 19:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/03/14 19:01	1

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

Lab Sample ID: MB 720-166117/4
Matrix: Water
Analysis Batch: 166117

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-DCA	ND		0.50		ug/L			09/03/14 19:01	1
EDB	ND		0.50		ug/L			09/03/14 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/03/14 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 130*		*09/03/14 19:01*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/03/14 19:01*	*1*

Lab Sample ID: LCS 720-166117/5
Matrix: Water
Analysis Batch: 166117

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	24.0		ug/L		96	62 - 130
Benzene	25.0	23.9		ug/L		96	79 - 130
Ethylbenzene	25.0	23.7		ug/L		95	80 - 120
Naphthalene	25.0	24.7		ug/L		99	70 - 130
Toluene	25.0	23.2		ug/L		93	78 - 120
m-Xylene & p-Xylene	25.0	23.7		ug/L		95	70 - 142
o-Xylene	25.0	24.3		ug/L		97	70 - 130
1,2-DCA	25.0	22.8		ug/L		91	61 - 132
EDB	25.0	25.5		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*86*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-166117/7
Matrix: Water
Analysis Batch: 166117

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	528		ug/L		106	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*91*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-166117/6
Matrix: Water
Analysis Batch: 166117

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	23.0		ug/L		92	62 - 130	4	20
Benzene	25.0	23.4		ug/L		94	79 - 130	2	20

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

Lab Sample ID: LCSD 720-166117/6
Matrix: Water
Analysis Batch: 166117

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
Ethylbenzene			25.0	23.2		ug/L		93	80 - 120	2	20
Naphthalene			25.0	24.1		ug/L		96	70 - 130	2	20
Toluene			25.0	22.7		ug/L		91	78 - 120	2	20
m-Xylene & p-Xylene			25.0	23.2		ug/L		93	70 - 142	2	20
o-Xylene			25.0	23.7		ug/L		95	70 - 130	2	20
1,2-DCA			25.0	22.1		ug/L		88	61 - 132	3	20
EDB			25.0	24.5		ug/L		98	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*83*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-166117/8
Matrix: Water
Analysis Batch: 166117

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	528		ug/L		106	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 720-166147/4
Matrix: Water
Analysis Batch: 166147

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			09/04/14 08:54	1
Benzene	ND		0.50		ug/L			09/04/14 08:54	1
Ethylbenzene	ND		0.50		ug/L			09/04/14 08:54	1
Naphthalene	ND		1.0		ug/L			09/04/14 08:54	1
Toluene	ND		0.50		ug/L			09/04/14 08:54	1
Xylenes, Total	ND		1.0		ug/L			09/04/14 08:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/04/14 08:54	1
1,2-DCA	ND		0.50		ug/L			09/04/14 08:54	1
EDB	ND		0.50		ug/L			09/04/14 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*09/04/14 08:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*72 - 130*		*09/04/14 08:54*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/04/14 08:54*	*1*

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

Lab Sample ID: LCS 720-166147/5
Matrix: Water
Analysis Batch: 166147

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	24.1		ug/L		96	62 - 130
Benzene	25.0	23.8		ug/L		95	79 - 130
Ethylbenzene	25.0	23.3		ug/L		93	80 - 120
Naphthalene	25.0	25.6		ug/L		102	70 - 130
Toluene	25.0	23.2		ug/L		93	78 - 120
m-Xylene & p-Xylene	25.0	23.7		ug/L		95	70 - 142
o-Xylene	25.0	23.9		ug/L		96	70 - 130
1,2-DCA	25.0	22.3		ug/L		89	61 - 132
EDB	25.0	25.8		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*84*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-166147/7
Matrix: Water
Analysis Batch: 166147

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	546		ug/L		109	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-166147/6
Matrix: Water
Analysis Batch: 166147

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	23.5		ug/L		94	62 - 130	2	20
Benzene	25.0	23.2		ug/L		93	79 - 130	2	20
Ethylbenzene	25.0	23.2		ug/L		93	80 - 120	1	20
Naphthalene	25.0	25.3		ug/L		101	70 - 130	1	20
Toluene	25.0	22.8		ug/L		91	78 - 120	2	20
m-Xylene & p-Xylene	25.0	23.4		ug/L		94	70 - 142	1	20
o-Xylene	25.0	23.5		ug/L		94	70 - 130	2	20
1,2-DCA	25.0	21.9		ug/L		88	61 - 132	2	20
EDB	25.0	24.9		ug/L		100	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*87*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

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

Lab Sample ID: LCSD 720-166147/8
Matrix: Water
Analysis Batch: 166147

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	570		ug/L		114	62 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8270C SIM - PAHs by GCMS (SIM)

Lab Sample ID: MB 720-166237/1-A
Matrix: Water
Analysis Batch: 166166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 166237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Acenaphthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Acenaphthylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Fluorene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Phenanthrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Benzo[a]anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Chrysene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Benzo[a]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Benzo[b]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Benzo[k]fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Fluoranthene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Pyrene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		09/05/14 07:57	09/05/14 15:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*29 - 120*	*09/05/14 07:57*	*09/05/14 15:28*	*1*
Terphenyl-d14	*100*		*45 - 120*	*09/05/14 07:57*	*09/05/14 15:28*	*1*

Lab Sample ID: LCS 720-166237/2-A
Matrix: Water
Analysis Batch: 166166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 166237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.0	6.65		ug/L		67	19 - 120
Acenaphthene	10.0	6.43		ug/L		64	24 - 120
Acenaphthylene	10.0	7.19		ug/L		72	24 - 120
Fluorene	10.0	7.16		ug/L		72	27 - 120
Phenanthrene	10.0	8.02		ug/L		80	31 - 120
Anthracene	10.0	7.87		ug/L		79	44 - 120

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCS 720-166237/2-A
Matrix: Water
Analysis Batch: 166166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 166237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[a]anthracene			10.0	8.97		ug/L		90	48 - 120		
Chrysene			10.0	8.13		ug/L		81	47 - 120		
Benzo[a]pyrene			10.0	8.96		ug/L		90	43 - 120		
Benzo[b]fluoranthene			10.0	9.38		ug/L		94	42 - 120		
Benzo[k]fluoranthene			10.0	8.36		ug/L		84	42 - 120		
Benzo[g,h,i]perylene			10.0	9.38		ug/L		94	35 - 120		
Indeno[1,2,3-cd]pyrene			10.0	9.45		ug/L		94	36 - 120		
Fluoranthene			10.0	8.72		ug/L		87	43 - 120		
Pyrene			10.0	8.88		ug/L		89	47 - 120		
Dibenz(a,h)anthracene			10.0	9.20		ug/L		92	33 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*29 - 120*
Terphenyl-d14	*89*		*45 - 120*

Lab Sample ID: LCSD 720-166237/3-A
Matrix: Water
Analysis Batch: 166166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 166237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			10.0	6.54		ug/L		65	19 - 120	2	35
Acenaphthene			10.0	6.40		ug/L		64	24 - 120	1	35
Acenaphthylene			10.0	7.07		ug/L		71	24 - 120	2	35
Fluorene			10.0	6.86		ug/L		69	27 - 120	4	35
Phenanthrene			10.0	7.64		ug/L		76	31 - 120	5	35
Anthracene			10.0	7.11		ug/L		71	44 - 120	10	35
Benzo[a]anthracene			10.0	8.89		ug/L		89	48 - 120	1	35
Chrysene			10.0	7.54		ug/L		75	47 - 120	7	35
Benzo[a]pyrene			10.0	8.86		ug/L		89	43 - 120	1	35
Benzo[b]fluoranthene			10.0	9.43		ug/L		94	42 - 120	1	35
Benzo[k]fluoranthene			10.0	8.10		ug/L		81	42 - 120	3	35
Benzo[g,h,i]perylene			10.0	9.19		ug/L		92	35 - 120	2	35
Indeno[1,2,3-cd]pyrene			10.0	9.30		ug/L		93	36 - 120	2	35
Fluoranthene			10.0	8.67		ug/L		87	43 - 120	1	35
Pyrene			10.0	8.63		ug/L		86	47 - 120	3	35
Dibenz(a,h)anthracene			10.0	8.87		ug/L		89	33 - 120	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*29 - 120*
Terphenyl-d14	*87*		*45 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 440-205253/9
Matrix: Water
Analysis Batch: 205253

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (FID)	ND		0.00099		mg/L			09/11/14 13:17	1
Methane (TCD)	ND		1.0		mg/L			09/11/14 13:17	1

Lab Sample ID: LCS 440-205253/5
Matrix: Water
Analysis Batch: 205253

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	4.19	4.08		mg/L		97	80 - 120

Lab Sample ID: LCS 440-205253/7
Matrix: Water
Analysis Batch: 205253

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (FID)	0.0839	0.0860		mg/L		103	80 - 120

Lab Sample ID: LCSD 440-205253/6
Matrix: Water
Analysis Batch: 205253

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
Methane (TCD)	4.19	4.21		mg/L		100	80 - 120	3	20

Lab Sample ID: LCSD 440-205253/8
Matrix: Water
Analysis Batch: 205253

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
Methane (FID)	0.0839	0.0871		mg/L		104	80 - 120	1	20

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

Lab Sample ID: MB 720-166261/1-A
Matrix: Water
Analysis Batch: 166234

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 166261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/05/14 10:07	09/06/14 03:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*09/05/14 10:07*	*09/06/14 03:10*	*1*
p-Terphenyl	*92*		*31 - 150*	*09/05/14 10:07*	*09/06/14 03:10*	*1*

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

Lab Sample ID: LCS 720-166261/2-A
Matrix: Water
Analysis Batch: 166235

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 166261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1230		ug/L		49	32 - 119		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*73*		*31 - 150*

Lab Sample ID: LCSD 720-166261/3-A
Matrix: Water
Analysis Batch: 166235

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 166261

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1290		ug/L		51	32 - 119	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*81*		*31 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-165965/1-A
Matrix: Water
Analysis Batch: 166043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 165965

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20		mg/L		08/30/14 15:02	09/02/14 15:50	1

Lab Sample ID: LCS 720-165965/2-A
Matrix: Water
Analysis Batch: 166043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 165965

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Magnesium			10.0	10.0		mg/L		100	80 - 120		

Lab Sample ID: LCSD 720-165965/3-A
Matrix: Water
Analysis Batch: 166043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 165965

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium			10.0	10.1		mg/L		101	80 - 120	1	20

Lab Sample ID: MB 720-166091/1-A
Matrix: Water
Analysis Batch: 166126

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 166091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.50		mg/L		09/03/14 10:22	09/03/14 14:19	1
Manganese	ND		0.020		mg/L		09/03/14 10:22	09/03/14 14:19	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-166091/2-A
Matrix: Water
Analysis Batch: 166126

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 166091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.54		mg/L		95	80 - 120
Manganese	1.00	0.875		mg/L		87	80 - 120

Lab Sample ID: LCSD 720-166091/3-A
Matrix: Water
Analysis Batch: 166126

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 166091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	10.0	9.19		mg/L		92	80 - 120	4	20
Manganese	1.00	0.848		mg/L		85	80 - 120	3	20

Lab Sample ID: 720-59616-1 MS
Matrix: Water
Analysis Batch: 166126

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 166091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	8.0		10.0	16.8		mg/L		88	75 - 125
Manganese	7.2		1.00	7.68	4	mg/L		45	75 - 125

Lab Sample ID: 720-59616-1 MSD
Matrix: Water
Analysis Batch: 166126

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 166091

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	8.0		10.0	16.4		mg/L		84	75 - 125	2	20
Manganese	7.2		1.00	7.84	4	mg/L		61	75 - 125	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 720-165905/4
Matrix: Water
Analysis Batch: 165905

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0		mg/L			08/29/14 13:00	1

Lab Sample ID: LCS 720-165905/5
Matrix: Water
Analysis Batch: 165905

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.72		mg/L		97	90 - 110

Lab Sample ID: MB 720-165906/4
Matrix: Water
Analysis Batch: 165906

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 13:00	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 720-165906/5
Matrix: Water
Analysis Batch: 165906

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			2.26	2.25		mg/L		100	90 - 110		

Lab Sample ID: MB 720-166036/37
Matrix: Water
Analysis Batch: 166036

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0		mg/L			08/29/14 22:52	1

Lab Sample ID: LCS 720-166036/38
Matrix: Water
Analysis Batch: 166036

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfate			10.0	9.30		mg/L		93	90 - 110		

Lab Sample ID: LCSD 720-166036/39
Matrix: Water
Analysis Batch: 166036

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
Sulfate			10.0	9.41		mg/L		94	90 - 110	1	20

Lab Sample ID: MB 720-166037/37
Matrix: Water
Analysis Batch: 166037

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			08/29/14 22:52	1

Lab Sample ID: LCS 720-166037/38
Matrix: Water
Analysis Batch: 166037

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate as N			2.26	2.15		mg/L		95	90 - 110		

Lab Sample ID: LCSD 720-166037/39
Matrix: Water
Analysis Batch: 166037

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
Nitrate as N			2.26	2.15		mg/L		95	90 - 110	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-252861/1
Matrix: Water
Analysis Batch: 252861

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			09/03/14 22:29	1

Lab Sample ID: LCS 500-252861/2
Matrix: Water
Analysis Batch: 252861

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	258		mg/L		103	80 - 120

Lab Sample ID: 720-59616-1 DU
Matrix: Water
Analysis Batch: 252861

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1120		mg/L		0.5	5

Lab Sample ID: MB 500-253081/1
Matrix: Water
Analysis Batch: 253081

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			09/04/14 23:47	1

Lab Sample ID: LCS 500-253081/2
Matrix: Water
Analysis Batch: 253081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	256		mg/L		102	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-252867/1
Matrix: Water
Analysis Batch: 252867

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0		mg/L			09/04/14 00:29	1

Lab Sample ID: LCS 500-252867/2
Matrix: Water
Analysis Batch: 252867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.46	3.55		mg/L		103	80 - 120

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: MB 500-253086/1
Matrix: Water
Analysis Batch: 253086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0		mg/L			09/05/14 02:00	1

Lab Sample ID: LCS 500-253086/2
Matrix: Water
Analysis Batch: 253086

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			3.46	3.38		mg/L		98	80 - 120		

Lab Sample ID: 720-59616-4 MS
Matrix: Water
Analysis Batch: 253086

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	ND		8.65	8.00		mg/L		92	75 - 125		

Lab Sample ID: 720-59616-4 MSD
Matrix: Water
Analysis Batch: 253086

Client Sample ID: MW-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		8.65	7.68		mg/L		89	75 - 125	4	20

GC/MS VOA

Analysis Batch: 166066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-2	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-3	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-4	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-5	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-6	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-7	MW-13	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-8	MW-14	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166066/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166066/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-166066/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-166066/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-166066/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 166117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-10	IW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-11	IW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-12	IW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-59616-13	IW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166117/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166117/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-166117/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-166117/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-166117/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 166147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-9	IW-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166147/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-166147/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 166147 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-166147/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-166147/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-166147/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS Semi VOA

Analysis Batch: 166166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-2	MW-4	Total/NA	Water	8270C SIM	166237
720-59616-3	MW-8	Total/NA	Water	8270C SIM	166237
720-59616-4	MW-9	Total/NA	Water	8270C SIM	166237
720-59616-5	MW-10	Total/NA	Water	8270C SIM	166237
720-59616-6	MW-11	Total/NA	Water	8270C SIM	166237
720-59616-7	MW-13	Total/NA	Water	8270C SIM	166237
720-59616-8	MW-14	Total/NA	Water	8270C SIM	166237
720-59616-10	IW-3	Total/NA	Water	8270C SIM	166237
720-59616-13	IW-6	Total/NA	Water	8270C SIM	166237
LCS 720-166237/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	166237
LCSD 720-166237/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	166237
MB 720-166237/1-A	Method Blank	Total/NA	Water	8270C SIM	166237

Prep Batch: 166237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	3510C	
720-59616-2	MW-4	Total/NA	Water	3510C	
720-59616-3	MW-8	Total/NA	Water	3510C	
720-59616-4	MW-9	Total/NA	Water	3510C	
720-59616-5	MW-10	Total/NA	Water	3510C	
720-59616-6	MW-11	Total/NA	Water	3510C	
720-59616-7	MW-13	Total/NA	Water	3510C	
720-59616-8	MW-14	Total/NA	Water	3510C	
720-59616-9	IW-2	Total/NA	Water	3510C	
720-59616-10	IW-3	Total/NA	Water	3510C	
720-59616-11	IW-4	Total/NA	Water	3510C	
720-59616-12	IW-5	Total/NA	Water	3510C	
720-59616-13	IW-6	Total/NA	Water	3510C	
LCS 720-166237/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-166237/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-166237/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 166312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	8270C SIM	166237
720-59616-9	IW-2	Total/NA	Water	8270C SIM	166237
720-59616-12	IW-5	Total/NA	Water	8270C SIM	166237

GC/MS Semi VOA (Continued)

Analysis Batch: 166336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-11	IW-4	Total/NA	Water	8270C SIM	166237

GC VOA

Analysis Batch: 205253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	RSK-175	
720-59616-2	MW-4	Total/NA	Water	RSK-175	
720-59616-3	MW-8	Total/NA	Water	RSK-175	
720-59616-4	MW-9	Total/NA	Water	RSK-175	
720-59616-5	MW-10	Total/NA	Water	RSK-175	
720-59616-6	MW-11	Total/NA	Water	RSK-175	
720-59616-7	MW-13	Total/NA	Water	RSK-175	
720-59616-8	MW-14	Total/NA	Water	RSK-175	
720-59616-9	IW-2	Total/NA	Water	RSK-175	
720-59616-10	IW-3	Total/NA	Water	RSK-175	
720-59616-11	IW-4	Total/NA	Water	RSK-175	
720-59616-12	IW-5	Total/NA	Water	RSK-175	
720-59616-13	IW-6	Total/NA	Water	RSK-175	
LCS 440-205253/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 440-205253/7	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 440-205253/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 440-205253/8	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 440-205253/9	Method Blank	Total/NA	Water	RSK-175	

GC Semi VOA

Analysis Batch: 166234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-166261/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	166261

Analysis Batch: 166235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Silica Gel Cleanup	Water	8015B	166261
720-59616-3	MW-8	Silica Gel Cleanup	Water	8015B	166261
720-59616-4	MW-9	Silica Gel Cleanup	Water	8015B	166261
720-59616-5	MW-10	Silica Gel Cleanup	Water	8015B	166261
720-59616-6	MW-11	Silica Gel Cleanup	Water	8015B	166261
720-59616-7	MW-13	Silica Gel Cleanup	Water	8015B	166261
720-59616-8	MW-14	Silica Gel Cleanup	Water	8015B	166261
720-59616-13	IW-6	Silica Gel Cleanup	Water	8015B	166261
LCS 720-166261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	166261
LCSD 720-166261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	166261

Analysis Batch: 166241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-10	IW-3	Silica Gel Cleanup	Water	8015B	166261

GC Semi VOA (Continued)

Prep Batch: 166261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Silica Gel Cleanup	Water	3510C SGC	
720-59616-2	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-59616-3	MW-8	Silica Gel Cleanup	Water	3510C SGC	
720-59616-4	MW-9	Silica Gel Cleanup	Water	3510C SGC	
720-59616-5	MW-10	Silica Gel Cleanup	Water	3510C SGC	
720-59616-6	MW-11	Silica Gel Cleanup	Water	3510C SGC	
720-59616-7	MW-13	Silica Gel Cleanup	Water	3510C SGC	
720-59616-8	MW-14	Silica Gel Cleanup	Water	3510C SGC	
720-59616-9	IW-2	Silica Gel Cleanup	Water	3510C SGC	
720-59616-10	IW-3	Silica Gel Cleanup	Water	3510C SGC	
720-59616-11	IW-4	Silica Gel Cleanup	Water	3510C SGC	
720-59616-12	IW-5	Silica Gel Cleanup	Water	3510C SGC	
720-59616-13	IW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-166261/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-166261/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-166261/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 166317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-2	MW-4	Silica Gel Cleanup	Water	8015B	166261
720-59616-9	IW-2	Silica Gel Cleanup	Water	8015B	166261
720-59616-11	IW-4	Silica Gel Cleanup	Water	8015B	166261

Analysis Batch: 166320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-12	IW-5	Silica Gel Cleanup	Water	8015B	166261

Metals

Prep Batch: 165965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	3010A	
720-59616-2	MW-4	Total/NA	Water	3010A	
720-59616-3	MW-8	Total/NA	Water	3010A	
720-59616-4	MW-9	Total/NA	Water	3010A	
720-59616-5	MW-10	Total/NA	Water	3010A	
720-59616-6	MW-11	Total/NA	Water	3010A	
720-59616-7	MW-13	Total/NA	Water	3010A	
720-59616-8	MW-14	Total/NA	Water	3010A	
720-59616-9	IW-2	Total/NA	Water	3010A	
720-59616-10	IW-3	Total/NA	Water	3010A	
720-59616-11	IW-4	Total/NA	Water	3010A	
720-59616-12	IW-5	Total/NA	Water	3010A	
720-59616-13	IW-6	Total/NA	Water	3010A	
LCS 720-165965/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 720-165965/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-165965/1-A	Method Blank	Total/NA	Water	3010A	

Metals (Continued)

Analysis Batch: 166043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	6010B	165965
720-59616-2	MW-4	Total/NA	Water	6010B	165965
720-59616-3	MW-8	Total/NA	Water	6010B	165965
720-59616-4	MW-9	Total/NA	Water	6010B	165965
720-59616-5	MW-10	Total/NA	Water	6010B	165965
720-59616-6	MW-11	Total/NA	Water	6010B	165965
720-59616-7	MW-13	Total/NA	Water	6010B	165965
720-59616-8	MW-14	Total/NA	Water	6010B	165965
720-59616-9	IW-2	Total/NA	Water	6010B	165965
720-59616-10	IW-3	Total/NA	Water	6010B	165965
720-59616-11	IW-4	Total/NA	Water	6010B	165965
720-59616-12	IW-5	Total/NA	Water	6010B	165965
720-59616-13	IW-6	Total/NA	Water	6010B	165965
LCS 720-165965/2-A	Lab Control Sample	Total/NA	Water	6010B	165965
LCSD 720-165965/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	165965
MB 720-165965/1-A	Method Blank	Total/NA	Water	6010B	165965

Prep Batch: 166091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Dissolved	Water	3005A	
720-59616-1 MS	MW-3	Dissolved	Water	3005A	
720-59616-1 MSD	MW-3	Dissolved	Water	3005A	
720-59616-2	MW-4	Dissolved	Water	3005A	
720-59616-3	MW-8	Dissolved	Water	3005A	
720-59616-4	MW-9	Dissolved	Water	3005A	
720-59616-5	MW-10	Dissolved	Water	3005A	
720-59616-6	MW-11	Dissolved	Water	3005A	
720-59616-7	MW-13	Dissolved	Water	3005A	
720-59616-8	MW-14	Dissolved	Water	3005A	
720-59616-9	IW-2	Dissolved	Water	3005A	
720-59616-10	IW-3	Dissolved	Water	3005A	
720-59616-11	IW-4	Dissolved	Water	3005A	
720-59616-12	IW-5	Dissolved	Water	3005A	
720-59616-13	IW-6	Dissolved	Water	3005A	
LCS 720-166091/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 720-166091/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 720-166091/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 166126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Dissolved	Water	6010B	166091
720-59616-1 MS	MW-3	Dissolved	Water	6010B	166091
720-59616-1 MSD	MW-3	Dissolved	Water	6010B	166091
720-59616-2	MW-4	Dissolved	Water	6010B	166091
720-59616-3	MW-8	Dissolved	Water	6010B	166091
720-59616-4	MW-9	Dissolved	Water	6010B	166091
720-59616-6	MW-11	Dissolved	Water	6010B	166091
720-59616-7	MW-13	Dissolved	Water	6010B	166091
720-59616-8	MW-14	Dissolved	Water	6010B	166091
720-59616-9	IW-2	Dissolved	Water	6010B	166091
720-59616-10	IW-3	Dissolved	Water	6010B	166091

Metals (Continued)

Analysis Batch: 166126 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-11	IW-4	Dissolved	Water	6010B	166091
720-59616-12	IW-5	Dissolved	Water	6010B	166091
720-59616-13	IW-6	Dissolved	Water	6010B	166091
LCS 720-166091/2-A	Lab Control Sample	Total Recoverable	Water	6010B	166091
LCSD 720-166091/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	166091
MB 720-166091/1-A	Method Blank	Total Recoverable	Water	6010B	166091

Analysis Batch: 166155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-5	MW-10	Dissolved	Water	6010B	166091

General Chemistry

Analysis Batch: 165905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	300.0	
720-59616-2	MW-4	Total/NA	Water	300.0	
720-59616-3	MW-8	Total/NA	Water	300.0	
720-59616-4	MW-9	Total/NA	Water	300.0	
720-59616-5	MW-10	Total/NA	Water	300.0	
720-59616-6	MW-11	Total/NA	Water	300.0	
720-59616-7	MW-13	Total/NA	Water	300.0	
720-59616-8	MW-14	Total/NA	Water	300.0	
LCS 720-165905/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-165905/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 165906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	300.0	
720-59616-2	MW-4	Total/NA	Water	300.0	
720-59616-3	MW-8	Total/NA	Water	300.0	
720-59616-4	MW-9	Total/NA	Water	300.0	
720-59616-5	MW-10	Total/NA	Water	300.0	
720-59616-6	MW-11	Total/NA	Water	300.0	
720-59616-7	MW-13	Total/NA	Water	300.0	
720-59616-8	MW-14	Total/NA	Water	300.0	
LCS 720-165906/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-165906/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 166036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-9	IW-2	Total/NA	Water	300.0	
720-59616-10	IW-3	Total/NA	Water	300.0	
720-59616-11	IW-4	Total/NA	Water	300.0	
720-59616-12	IW-5	Total/NA	Water	300.0	
720-59616-13	IW-6	Total/NA	Water	300.0	
LCS 720-166036/38	Lab Control Sample	Total/NA	Water	300.0	
LCSD 720-166036/39	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 720-166036/37	Method Blank	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 166037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-9	IW-2	Total/NA	Water	300.0	
720-59616-10	IW-3	Total/NA	Water	300.0	
720-59616-11	IW-4	Total/NA	Water	300.0	
720-59616-12	IW-5	Total/NA	Water	300.0	
720-59616-13	IW-6	Total/NA	Water	300.0	
LCS 720-166037/38	Lab Control Sample	Total/NA	Water	300.0	
LCSD 720-166037/39	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 720-166037/37	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 252861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	SM 2540C	
720-59616-1 DU	MW-3	Total/NA	Water	SM 2540C	
720-59616-2	MW-4	Total/NA	Water	SM 2540C	
720-59616-3	MW-8	Total/NA	Water	SM 2540C	
LCS 500-252861/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-252861/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 252867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-1	MW-3	Total/NA	Water	SM 4500 S2 F	
720-59616-2	MW-4	Total/NA	Water	SM 4500 S2 F	
720-59616-3	MW-8	Total/NA	Water	SM 4500 S2 F	
LCS 500-252867/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 500-252867/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 253081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-4	MW-9	Total/NA	Water	SM 2540C	
720-59616-5	MW-10	Total/NA	Water	SM 2540C	
720-59616-6	MW-11	Total/NA	Water	SM 2540C	
720-59616-7	MW-13	Total/NA	Water	SM 2540C	
720-59616-8	MW-14	Total/NA	Water	SM 2540C	
720-59616-9	IW-2	Total/NA	Water	SM 2540C	
720-59616-10	IW-3	Total/NA	Water	SM 2540C	
720-59616-11	IW-4	Total/NA	Water	SM 2540C	
720-59616-12	IW-5	Total/NA	Water	SM 2540C	
720-59616-13	IW-6	Total/NA	Water	SM 2540C	
LCS 500-253081/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-253081/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 253086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-4	MW-9	Total/NA	Water	SM 4500 S2 F	
720-59616-4 MS	MW-9	Total/NA	Water	SM 4500 S2 F	
720-59616-4 MSD	MW-9	Total/NA	Water	SM 4500 S2 F	
720-59616-5	MW-10	Total/NA	Water	SM 4500 S2 F	
720-59616-6	MW-11	Total/NA	Water	SM 4500 S2 F	
720-59616-7	MW-13	Total/NA	Water	SM 4500 S2 F	
720-59616-8	MW-14	Total/NA	Water	SM 4500 S2 F	
720-59616-9	IW-2	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 253086 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-59616-10	IW-3	Total/NA	Water	SM 4500 S2 F	
720-59616-11	IW-4	Total/NA	Water	SM 4500 S2 F	
720-59616-12	IW-5	Total/NA	Water	SM 4500 S2 F	
720-59616-13	IW-6	Total/NA	Water	SM 4500 S2 F	
LCS 500-253086/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 500-253086/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Client Sample ID: MW-3

Lab Sample ID: 720-59616-1

Date Collected: 08/29/14 11:35

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	166066	09/03/14 13:48	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		10	166312	09/06/14 14:07	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 14:01	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/05/14 23:32	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 14:51	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 16:57	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 19:41	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 19:41	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	252861	09/03/14 23:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	252867		CLB	TAL CHI
					(Start)	09/04/14 01:20		
					(End)	09/04/14 01:23		

Client Sample ID: MW-4

Lab Sample ID: 720-59616-2

Date Collected: 08/29/14 10:50

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 14:16	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 16:14	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 14:15	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		3	166317	09/07/14 17:41	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:00	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:01	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 20:00	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 20:00	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	252861	09/03/14 23:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	252867		CLB	TAL CHI
					(Start)	09/04/14 01:23		
					(End)	09/04/14 01:26		

Client Sample ID: MW-8

Lab Sample ID: 720-59616-3

Date Collected: 08/29/14 11:50

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 14:45	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 16:38	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 14:28	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 00:21	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:05	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:06	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 20:17	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 20:17	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	252861	09/03/14 23:26	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	252867		CLB	TAL CHI
					(Start)	09/04/14 01:26		
					(End)	09/04/14 01:29		

Client Sample ID: MW-9

Lab Sample ID: 720-59616-4

Date Collected: 08/29/14 12:50

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 15:13	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 17:01	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 14:42	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 00:45	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:10	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:11	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 20:34	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 20:34	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:15		
					(End)	09/05/14 02:18		

Client Sample ID: MW-10

Lab Sample ID: 720-59616-5

Date Collected: 08/29/14 09:35

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 15:42	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 17:24	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 14:55	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 01:09	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		2	166155	09/03/14 22:40	SLK	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:16	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 20:51	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 20:51	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:04	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:26		
					(End)	09/05/14 02:30		

Client Sample ID: MW-11

Lab Sample ID: 720-59616-6

Date Collected: 08/29/14 12:05

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 16:10	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 17:47	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 15:39	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 01:33	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:20	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:21	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 21:09	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 21:09	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:30		
					(End)	09/05/14 02:33		

Client Sample ID: MW-13

Lab Sample ID: 720-59616-7

Date Collected: 08/29/14 13:15

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 16:39	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 18:10	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 15:52	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 01:58	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:25	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:26	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 21:26	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 21:26	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:33		
					(End)	09/05/14 02:37		

Client Sample ID: MW-14

Lab Sample ID: 720-59616-8

Date Collected: 08/29/14 13:50

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166066	09/03/14 17:07	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 18:33	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 16:06	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 02:22	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:39	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:31	SLK	TAL PLS
Total/NA	Analysis	300.0		1	165905	08/29/14 21:43	MJK	TAL PLS
Total/NA	Analysis	300.0		1	165906	08/29/14 21:43	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:12	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:37		
					(End)	09/05/14 02:41		

Lab Chronicle

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

TestAmerica Job ID: 720-59616-1

Client Sample ID: IW-2

Lab Sample ID: 720-59616-9

Date Collected: 08/29/14 13:50

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166147	09/04/14 17:31	ASC	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		20	166312	09/06/14 14:53	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 16:19	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		3	166317	09/07/14 18:06	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:44	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:45	SLK	TAL PLS
Total/NA	Analysis	300.0		1	166036	08/29/14 23:43	MJK	TAL PLS
Total/NA	Analysis	300.0		1	166037	08/29/14 23:43	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:14	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:41		
					(End)	09/05/14 02:45		

Client Sample ID: IW-3

Lab Sample ID: 720-59616-10

Date Collected: 08/29/14 13:20

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166117	09/04/14 02:36	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 18:56	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 16:42	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166241	09/06/14 00:03	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:49	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:50	SLK	TAL PLS
Total/NA	Analysis	300.0		1	166036	08/30/14 00:00	MJK	TAL PLS
Total/NA	Analysis	300.0		1	166037	08/30/14 00:00	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:17	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:45		
					(End)	09/05/14 02:48		

Client Sample ID: IW-4

Lab Sample ID: 720-59616-11

Date Collected: 08/29/14 10:15

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	166117	09/04/14 03:04	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		20	166336	09/08/14 11:05	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 16:59	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		10	166317	09/07/14 18:30	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:54	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:55	SLK	TAL PLS
Total/NA	Analysis	300.0		1	166036	08/30/14 00:18	MJK	TAL PLS
Total/NA	Analysis	300.0		1	166037	08/30/14 00:18	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:19	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:48		
					(End)	09/05/14 02:52		

Client Sample ID: IW-5

Lab Sample ID: 720-59616-12

Date Collected: 08/29/14 11:15

Matrix: Water

Date Received: 08/29/14 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166117	09/04/14 03:33	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		100	166312	09/06/14 14:30	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 17:13	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		50	166320	09/08/14 10:49	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:22	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 15:59	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 17:59	SLK	TAL PLS
Total/NA	Analysis	300.0		1	166036	08/30/14 00:35	MJK	TAL PLS
Total/NA	Analysis	300.0		1	166037	08/30/14 00:35	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:22	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:52		
					(End)	09/05/14 02:56		

Client Sample ID: IW-6
Date Collected: 08/29/14 14:20
Date Received: 08/29/14 19:00

Lab Sample ID: 720-59616-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	166117	09/04/14 04:01	PDR	TAL PLS
Total/NA	Prep	3510C			166237	09/05/14 07:57	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	166166	09/05/14 19:19	JZT	TAL PLS
Total/NA	Analysis	RSK-175		1	205253	09/11/14 17:26	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			166261	09/05/14 10:07	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	166235	09/06/14 02:46	JL	TAL PLS
Dissolved	Prep	3005A			166091	09/03/14 10:30	JCR	TAL PLS
Dissolved	Analysis	6010B		1	166126	09/03/14 16:04	EFH	TAL PLS
Total/NA	Prep	3010A			165965	08/30/14 15:02	CTD	TAL PLS
Total/NA	Analysis	6010B		1	166043	09/02/14 18:04	SLK	TAL PLS
Total/NA	Analysis	300.0		1	166036	08/30/14 00:52	MJK	TAL PLS
Total/NA	Analysis	300.0		1	166037	08/30/14 00:52	MJK	TAL PLS
Total/NA	Analysis	SM 2540C		1	253081	09/05/14 00:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	253086		CLB	TAL CHI
					(Start)	09/05/14 02:56		
					(End)	09/05/14 03:00		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Certification Summary

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

TestAmerica Job ID: 720-59616-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-15
California	State Program	9	2903	04-30-15
Georgia	State Program	4	N/A	04-30-15
Georgia	State Program	4	939	04-30-15
Hawaii	State Program	9	N/A	04-30-15
Illinois	NELAP	5	100201	04-30-15
Indiana	State Program	5	C-IL-02	04-30-15
Iowa	State Program	7	82	05-01-16
Kansas	NELAP	7	E-10161	10-31-14 *
Kentucky (UST)	State Program	4	66	04-30-15
Kentucky (WW)	State Program	4	KY90023	12-31-14
Massachusetts	State Program	1	M-IL035	06-30-15
Mississippi	State Program	4	N/A	04-30-15
New York	NELAP	2	IL00035	03-31-15
North Carolina (WW/SW)	State Program	4	291	12-31-14
North Dakota	State Program	8	R-194	04-30-14 *
Oklahoma	State Program	6	8908	08-31-15
South Carolina	State Program	4	77001	04-30-15
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-15 *
Wyoming	State Program	8	8TMS-Q	04-30-15

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	CA01531	06-30-15
Arizona	State Program	9	AZ0671	10-13-14 *
California	LA Cty Sanitation Districts	9	10256	01-31-15
California	State Program	9	2706	06-30-16
Guam	State Program	9	Cert. No. 12.002r	01-23-15
Hawaii	State Program	9	N/A	01-29-15 *
Nevada	State Program	9	CA015312007A	07-31-15
New Mexico	State Program	6	N/A	01-29-15
Northern Mariana Islands	State Program	9	MP0002	01-29-15
Oregon	NELAP	10	4005	01-29-15
USDA	Federal		P330-09-00080	06-06-15
USEPA UCMR	Federal	1	CA01531	01-31-15

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 720-59616-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS
RSK-175	Dissolved Gases (GC)	RSK	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
300.0	Anions, Ion Chromatography	MCAWW	TAL PLS
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 S2 F	Sulfide, Total	SM	TAL CHI

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

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

Sample Summary

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

TestAmerica Job ID: 720-59616-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-59616-1	MW-3	Water	08/29/14 11:35	08/29/14 19:00
720-59616-2	MW-4	Water	08/29/14 10:50	08/29/14 19:00
720-59616-3	MW-8	Water	08/29/14 11:50	08/29/14 19:00
720-59616-4	MW-9	Water	08/29/14 12:50	08/29/14 19:00
720-59616-5	MW-10	Water	08/29/14 09:35	08/29/14 19:00
720-59616-6	MW-11	Water	08/29/14 12:05	08/29/14 19:00
720-59616-7	MW-13	Water	08/29/14 13:15	08/29/14 19:00
720-59616-8	MW-14	Water	08/29/14 13:50	08/29/14 19:00
720-59616-9	IW-2	Water	08/29/14 13:50	08/29/14 19:00
720-59616-10	IW-3	Water	08/29/14 13:20	08/29/14 19:00
720-59616-11	IW-4	Water	08/29/14 10:15	08/29/14 19:00
720-59616-12	IW-5	Water	08/29/14 11:15	08/29/14 19:00
720-59616-13	IW-6	Water	08/29/14 14:20	08/29/14 19:00

BLAINE
TECH SERVICES, INC.

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

CONDUCT ANALYSIS TO DETECT

LAB TA - SF 155955 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

720-59616

CHAIN OF CUSTODY BTS # 140829-DM1

CLIENT ARCADIS U.S., Inc.

SITE UPS

8400 Pardee Drive

Oakland, CA

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		C = COMPOSITE ALL CONTAINERS	TPH-Gio, BTEX, MTBE, Naphthalene, 1,2-DCS, EDB (8260)	DRO w/ SGC	Methane	Nitrate, Sulfate, TDS (Short holds)	Sulfide	Total Diss. Iron, Manganese (Field Filtered)	Magnesium	PAH's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-3	8/29/14	1135	W	14	mix		X	X	X	X	X	X	X	X				1
MW-4		1050					X	X	X	X	X	X	X	X				2
MW-8		1150					X	X	X	X	X	X	X	X				3
MW-9		1250					X	X	X	X	X	X	X	X				4
MW-10		0935					X	X	X	X	X	X	X	X				5
MW-11		1205					X	X	X	X	X	X	X	X				6
MW-13		1315					X	X	X	X	X	X	X	X				7
MW-14		1350					X	X	X	X	X	X	X	X				8
IW-2		1350					X	X	X	X	X	X	X	X				9
IW-3		1320					X	X	X	X	X	X	X	X				10

SAMPLING COMPLETED DATE 8/29/14 TIME 1420

SAMPLING PERFORMED BY Daniel A, Brian W,

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	8/29/14	1630		8-29-14	1630
	8-29-14	1900		8/29/14	1900

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #
			2.3, 2.7, 1.0, 1.8, 1.9 °C

720-59616 Chain of Custody

BLAINE
TECH SERVICES, INC

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

CHAIN OF CUSTODY BTS # 140829-DM1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF 155955 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

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C	TPH-Gro, BTEX, MTBE, Naphthalene, 1,2-DCS, EDB (8260)	DRO w/ SGC	Methane	Nitrate, Sulfate, TDS (Short holds)	Sulfide	Total Diss. Iron, Manganese (Field Filtered)	Magnesium	PAH's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
IW-4	8/29/14	1015	W	14	MIX		X	X	X	X	X	X	X	X				11
IW-5		1115					X	X	X	X	X	X	X	X				12
IW-6		1420					X	X	X	X	X	X	X	X				13
TB-1		0810	W	3	VOA's		X								ON HOLD			14

SAMPLING COMPLETED DATE 8/29/14 TIME 1420
SAMPLING PERFORMED BY Daniel Allen, Brian Weeks

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	8/29/14	1630		8-29-14	1630
	8-29-14	1900		8/29/14	1900

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

9/12/2014

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-21867.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-59616-1
Address: 2417 Bond Street, ,	Due Date Requested: 9/5/2014			Preservation Codes:
City: University Park	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C	SM4500_S2_F	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-3 (720-59616-1)	8/29/14	11:35 Pacific		Water			X	X	2	
MW-4 (720-59616-2)	8/29/14	10:50 Pacific		Water			X	X	2	
MW-8 (720-59616-3)	8/29/14	11:50 Pacific		Water			X	X	2	
MW-9 (720-59616-4)	8/29/14	12:50 Pacific		Water			X	X	2	720-59616 COC
MW-10 (720-59616-5)	8/29/14	09:35 Pacific		Water			X	X	2	
MW-11 (720-59616-6)	8/29/14	12:05 Pacific		Water			X	X	2	
MW-13 (720-59616-7)	8/29/14	13:15 Pacific		Water			X	X	2	
MW-14 (720-59616-8)	8/29/14	13:50 Pacific		Water			X	X	2	
IW-2 (720-59616-9)	8/29/14	13:50 Pacific		Water			X	X	2	
IW-3 (720-59616-10)	8/29/14	13:20 Pacific		Water			X	X	2	
IW-4 (720-59616-11)	8/29/14	10:15 Pacific		Water			X	X	2	

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/2/14 1500	TAP		09/03/14 1055	TAL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-21867.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-59616-1
Address: 2417 Bond Street, ,	Due Date Requested: 9/5/2014			Preservation Codes:
City: University Park	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C	SM4500_S2_F	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
IW-5 (720-59616-12)	8/29/14	11:15 Pacific		Water			X	X	2	
IW-6 (720-59616-13)	8/29/14	14:20 Pacific		Water			X	X	2	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	9/2/14 1500	TAP	[signature]	09/03/14 1055	TAL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-59616-1

Login Number: 59616

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-59616-1

Login Number: 59616
List Number: 2
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago
List Creation: 09/03/14 11:50 AM

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-59616-1

Login Number: 59616
List Number: 3
Creator: Ornelas, Olga

List Source: TestAmerica Irvine
List Creation: 09/03/14 12:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	