55 Glenlake Parkway, NE
Atlanta, GA 30328-3474

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

Subject:
1st Semi-Annual 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 1st Semi-Annual 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 semi-annual groundwater monitoring event that was performed at the site in February 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

ARCADIS U.S., Inc.
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Tel 415 374 2744
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ENVIRONMENT

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

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First Semiannual 2014 Groundwater Monitoring Report
UPS Oakland Hub
8400 Pardee Drive, Oakland, California 94621
Global ID #T0600100939
State ID #583
USEPA ID #CAD 09707509

Date:
September 14, 2015

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 revised First Semiannual 2014 Groundwater Monitoring Report, which documents the groundwater monitoring event performed in February 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 the site vicinity were raised above mean sea level (amsl) with suspected imported fill and graded. This imported 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.

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

The site is currently 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 about the 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 that would be 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 first semiannual groundwater monitoring event conducted on February 5, 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-2, 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-3 and MW-12, observation well 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% (**Attachment A**).

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

- Total petroleum hydrocarbons-diesel range organics (TPH-DRO) by United States Environmental Protection Agency (USEPA) Method 8015B
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), methyl tertiary-butyl ether (MTBE), and naphthalene by USEPA Method 8260
- TPH-gasoline range organics (TPH-GRO) by USEPA Method 8260B/California Leaking Underground Fuel Tank
- Polycyclic aromatic hydrocarbons by USEPA Method 8270 Selected Ion Monitoring

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 February 5, 2014, prior to purging and groundwater sample collection. The groundwater elevations during the February 2014 monitoring event ranged from 0.27 ft amsl in monitoring well MW-10 to 7.83 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 February 2014 groundwater elevation data and is presented as **Figure 4**. The direction of groundwater flow was generally to the southeast during the February 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 February 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 February 5, 2014 monitoring event, free product was observed in monitoring wells MW-3, MW-12, and 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 wells OW-1 and MW-3 via use of passive skimmers. Two milliliters (mL) of free product were removed from monitoring well MW-3, 212 mL were removed from monitoring well MW-12, 10 mL were removed from observation well OW-1, and 66 mL were removed from injection well IW-1. No free product was observed in monitoring well MW-2.

As of February 5, 2014, approximately 8.20 gallons of free product had been removed from the site. Approximately 2.05 gallons were removed prior to the installation of the skimmers, 4.29 gallons have been removed since the skimmers were installed, and an additional 1.88 gallons have been removed from the wells that do not contain skimmers. The specifications for the SOS® Passive Skimmers are presented in **Attachment B**.

Groundwater Quality

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

Contaminant Data

The laboratory analytical results from the February 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; RWQCB 2008) for drinking water of 100 micrograms per liter (µg/L) in injection wells IW-4 (600 µg/L), IW-5 (770 µg/L), and IW-6 (110 µg/L). TPH-GRO also exceeded the non-drinking water RWQCB ESL of 210 µg/L in injection wells IW-4 and IW-5.

- TPH-DRO was detected above the RWQCB ESL for drinking water of 100 µg/L in monitoring wells MW-2 (9,100 µg/L), MW-4 (19,000 µg/L), and MW-10 (130 µg/L) and injection wells IW-2 (8,700 µg/L), IW-3 (190 µg/L), IW-4 (170,000 µg/L), IW-5 (88,000 µg/L), and IW-6 (2,000 µg/L). TPH-DRO also exceeded the non-drinking water RWQCB ESL of 210 µg/L in monitoring wells MW-2 and MW-4 and injection wells IW-2, IW-4, IW-5, and IW-6.

- Naphthalene was detected above the RWQCB ESL for drinking water of 6.1 µg/L in injection wells IW-2 (180 µg/L), IW-3 (15 µg/L), and IW-5 (10 µg/L). Naphthalene also exceeded the non-drinking water RWQCB ESL of 24 µg/L in injection well IW-2. The reported detection in injection well IW-3 was identified using USEPA Method 8270; USEPA Method 8260 results revealed detections exceeding the RWQCB ESLs in injection wells IW-2 and IW-5.

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 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 et al. 2001; Aronson and Howard 1997; Beller et al. 1992).

Anaerobic processes generally occur at slower kinetic rates than those 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 February 2014 groundwater monitoring event for the biogeochemical indicator parameters are as follows:

- Nitrate as nitrogen was detected in injection well IW-4 at a concentration of 680 µg/L. Concentrations in the remaining wells were less than 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 in 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 2,500 µg/L in monitoring well MW-13 to 52,000 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 were 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 injection well IW-5 to 40,000 µg/L in monitoring well MW-10. Concentrations in the remaining wells were less than 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 with concentrations less than 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 1,800 µg/L in monitoring well MW-13 to 5,800 µg/L in injection well IW-4. 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 less than 1,000 µg/L. This is because the sulfide forms insoluble compounds with the 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, which suggests 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 greater than 1,000 µg/L provides strong evidence of naturally occurring anaerobic hydrocarbon oxidation.

- Methane concentrations ranged from 2,700 µg/L in injection well IW-4 to 6,600 µg/L in injection well IW-5. These concentrations are similar to the 2012 and 2013 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 greater than 1,000 µg/L in groundwater are generally indicative of anaerobic processes. The data summarized in **Table 2** indicate elevated concentrations of methane (greater than 1,000 µg/L); however, not all of the wells with methane have the same elevated petroleum hydrocarbon concentrations. For example, methane concentrations observed during the February 2014 event at wells MW-8, MW-9, MW-10, and MW-14 ranged from 3,100 to 3,700 µg/L, and these wells, in general, represent some of the lowest TPH-GRO and TPH-DRO concentrations on site. A possible explanation for this observation is a slow groundwater velocity that is not bringing oxygen from upgradient 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 950 milligrams per liter (mg/L) in injection well IW-5 to 10,000 mg/L in injection well IW-6. 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 have TDS concentrations that exceed the 3,000 mg/L standard (MW-2, MW-8, MW-10, IW-2, and IW-6).

Summary

- Groundwater elevations during the February 2014 monitoring event ranged from 0.27 ft amsl in monitoring well MW-10 to 7.83 ft amsl in monitoring well MW-9.

- Groundwater elevations indicated that the apparent groundwater flow direction was generally to the southeast on February 5, 2014, which is consistent with historical groundwater flow.

- BTEX and MTBE were not detected at concentrations greater than the laboratory reporting limits in the sampled monitoring wells during the February 2014 monitoring event.

- TPH-GRO was detected at concentrations greater than the RWQCB ESL for drinking water in injection wells IW-4, IW-5, and IW-6 during the February 2014 sampling event. The RWQCB ESL for non-drinking water was exceeded during the February 2014 monitoring event in injection wells IW-4 and IW-5.

- TPH-DRO was detected at concentrations greater than the RWQCB ESL for drinking water in monitoring wells MW-2, MW-4, and MW-10 and injection wells IW-2, IW-3, IW-4, IW-5, and IW-6 during the February 2014 sampling event. The RWQCB ESL for non-drinking water was exceeded in monitoring wells MW-2 and MW-4 and injection wells IW-2, IW-4, IW-5, and IW-6 during the February 2014 sampling event.

- Naphthalene was detected at concentrations greater than the RWQCB ESL for drinking water in injection wells IW-2, IW-3, and IW-5. Naphthalene also exceeded the non-drinking water RWQCB ESL in injection well IW-2.

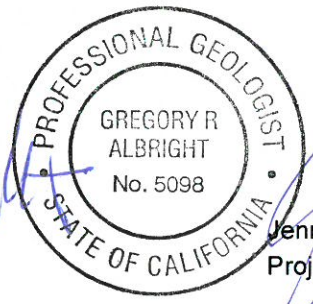
Recommendations

ARCADIS will continue semiannual groundwater monitoring and will conduct an additional soil and groundwater investigation in accordance with the Revised Work Plan for Separate Phase Hydrocarbon Characterization and Dissolved Phase Plume Delineation (ARCADIS 2013).

If you have any questions regarding this report, please do not hesitate to contact me 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.



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

Jennifer Halcomb-LeBeau
Project Geologist

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Hugh Devery – ARCADIS, 1000 Cobb Place Boulevard, Building 500A, Kennesaw, GA 30144

Attachments:

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

References

ARCADIS. 2011a. Summary of Soil and Groundwater Investigation Activities Report, UPS Oakland Hub, 8400 Pardee Drive, Oakland, CA.

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.

ARCADIS. 2013. Revised Work Plan for Separate Phase Hydrocarbon Characterization and Dissolved Phase Plume Delineation, UPS Oakland Hub, 8400 Pardee Drive, Oakland, CA. September 5.

Aronson, D. 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.

Beller, H.R., D. Grbic-Galic, and M. Reinhard. 1992. Microbial degradation of toluene under sulfate-reducing conditions and the influence of iron on the process. Applied and Environmental Microbiology, vol. 58, p. 786-793.

Finneran, K.T., and D.R. Lovley. 2001. Anaerobic degradation of methyl-*tert*-butyl ether (MTBE) and *tert*-butyl ether (TBA). Environmental Science and Technology, v. 35, no. 10, p 1785-1790.

RWQCB, San Francisco Bay Region. 2008. ESLs for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - November 2007. Revised May 2008.

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
First Semiannual 2014 Groundwater Monitoring Report
8400 Pardee Drive, Oakland, California
Global ID #T0600100939

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

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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

First Semiannual 2014 Groundwater Monitoring Report

8400 Pardee Drive, Oakland, California

Global ID #T0600100939

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

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First Semiannual 2014 Groundwater Monitoring Report

8400 Pardee Drive, Oakland, California

Global ID #T0600100939

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
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):						5168.07
MW-2 Total product recovered:						6994.37

Table 1
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8400 Pardee Drive, Oakland, California
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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)
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

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8400 Pardee Drive, Oakland, California

Global ID #T0600100939

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
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):						6679.89
MW-3 Total product recovered:						6679.89

Table 1
Historical Groundwater Elevation Summary

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Global ID #T0600100939

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
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
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
		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

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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)
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
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
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
MW-12 Total product recovered:						3141.00

Table 1

Historical Groundwater Elevation Summary

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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)
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
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

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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)
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
		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

Table 1

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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)
OW-1	N/A	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
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	8.46	1.09	0.03	10.0
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):						4408.41
OW-1 Total product recovered:						10352.09

Table 1

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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-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
IW-1 Total product recovered:						3901.00
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

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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-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
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
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

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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-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

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):	16256.4
Total product recovered post skimmer installation (oz):	549.0
Total product recovered post skimmer installation (gal):	4.29
Total product recovered from wells without skimmers (mL):	7042.00
Total product recovered from wells without skimmers (oz):	240.00
Total product recovered from wells without skimmers (gal):	1.88
Total product recovered (mL):	31068.4
Total product recovered (oz):	1050.0
Total product recovered (gal):	8.20

Notes:

*Reference elevation surveyed relative to mean sea level and California State Coordinate System, Zone III (NAD83)

Sources: Geraghty and Miller 1990; Blasland, Bouck & Lee 1996

'-- = no data

ft-amsl = feet above mean sea level

ft-btoc = feet below top of casing

gal = gallons

mL = milliliters

N/A = not available

NC = not calculated

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

NM = not measured

NR = not recovered

oz = ounces

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

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8400 Pardee Drive, Oakland, California
Global ID #T0600100939

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	DO (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[1] µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	--	--	--	0.05	0.5	--	--	--	--	--	--	6.1	--
ESL - Non-Drinking Water	--	46	130	43	100	1,800	500	640	--	--	--	--	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	<0.10	3,200

Table 2

Historical Groundwater Monitoring Results and Baseline Sampling Summary

UPS-Oakland Hub
First Semiannual 2014 Groundwater Monitoring Report
8400 Pardee Drive, Oakland, California
Global ID #T0600100939

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	DO (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[1] µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	--	--	--	0.05	0.5	--	--	--	--	--	--	6.1	--
ESL - Non-Drinking Water	--	46	130	43	100	1,800	500	640	--	--	--	--	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	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
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	<0.48	1,100
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	0.86	**6,500**
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	<0.10	NA

Table 2

Historical Groundwater Monitoring Results and Baseline Sampling Summary

UPS-Oakland Hub
First Semiannual 2014 Groundwater Monitoring Report
8400 Pardee Drive, Oakland, California
Global ID #T0600100939

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	DO (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[1] µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	--	--	--	0.05	0.5	--	--	--	--	--	--	6.1	--
ESL - Non-Drinking Water	--	46	130	43	100	1,800	500	640	--	--	--	--	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	<0.10	**7,000**
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	<0.14	NA
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
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	0.22	1,800
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	<0.10	NA
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	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/2013	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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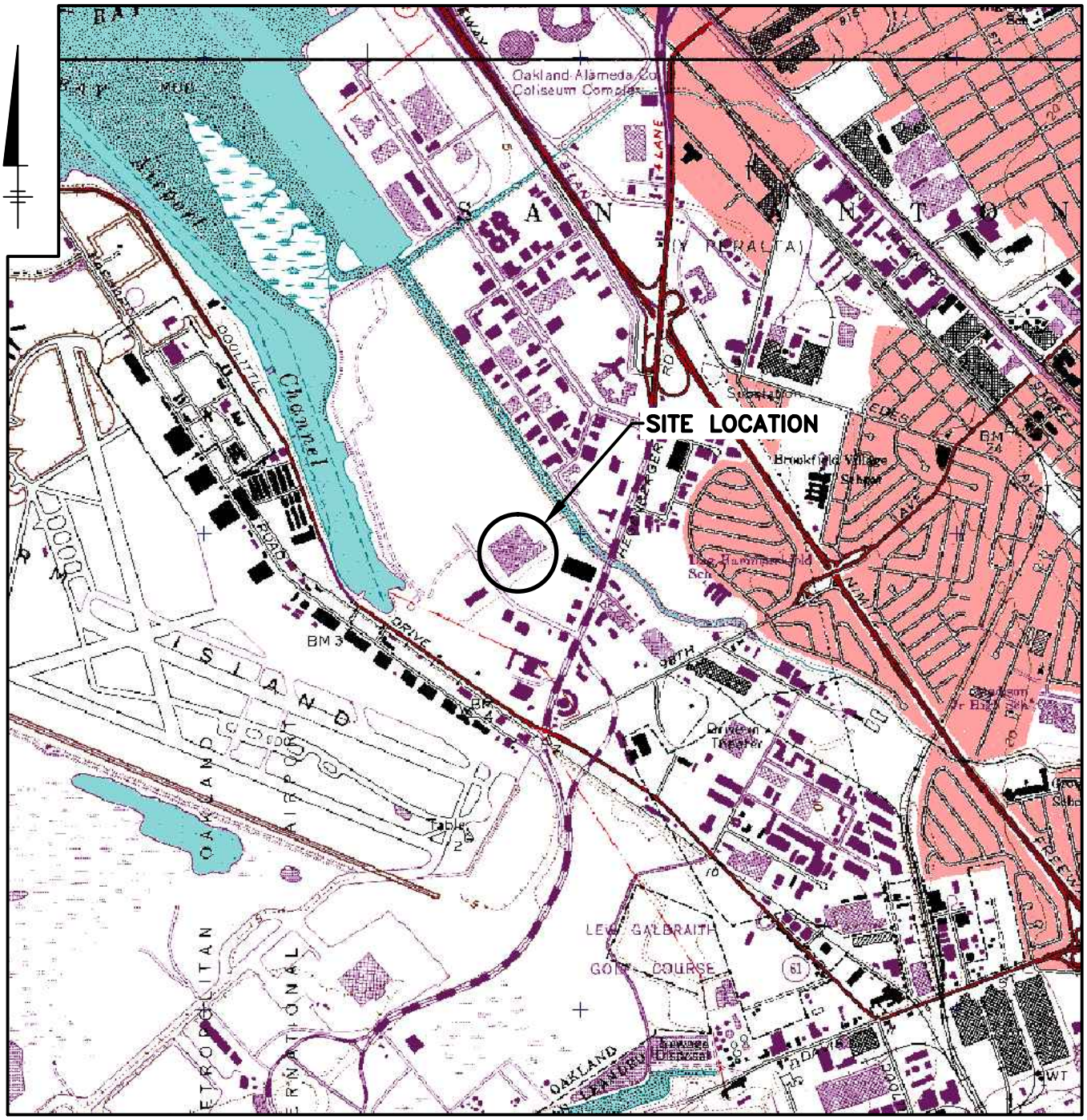
8400 Pardee Drive, Oakland, California
Global ID #T0600100939

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	DO (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[1] µg/L	TDS (mg/L)
Field Analysis	--	--	--	--	--	--	--	--	--	--	--	5,000	--	--	--	--	--	--	--	--	--	3,000
ESL - Drinking Water	--	1	40	30	20	5	100	100	--	--	--	--	0.05	0.5	--	--	--	--	--	--	6.1	--
ESL - Non-Drinking Water	--	46	130	43	100	1,800	500	640	--	--	--	--	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
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**
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
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	1,948	<5.0	<5.0	2,700	680	89,000	<1,000	5,800	3,700	4.0	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	1,725	<0.50	<0.50	6,600	<230	69,000	1,200	<1,000	10,000	**10**	950
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	NA	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**

Notes:
[1]Naphthalene results prior to 2014 reported from United States Environmental Protection Agency (USEPA) Method 8260 results; 2014 results reported from USEPA Method 8270 results or reporting limit unless USEPA Method 8260 detection exceeds USEPA Method 8270 detection, in which case USEPA Method 8260 detection is reported.
Bold values indicate analytical detections above drinking water but below non-drinking water ESL.
Bold and *italicized* values indicate analytical detections above non-drinking water ESL.
Shading = most recent groundwater monitoring data
Results collected between the dates of 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc.
The 9/96 and 10/96 BBL reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C26.
-- = no data
< = less than
°C = degrees Celsius
DO = dissolved oxygen
EDB = ethylene dibromide
ESL = environmental screening level
g = Hydrocarbon reported in the gasoline range does not match laboratory gasoline standard
H = Sample was prepped or analyzed beyond the specified holding time
J = Estimated value between Method Detection Limit and Practical Quantitation Limit
mg/L = milligrams per liter
MTBE = methyl tertiary butyl ether
NA = not analyzed
ndp = Hydrocarbon reported does not match the pattern of laboratory diesel standard
NM = not measured
NS = not sampled
Q2 = Quantity of unknown hydrocarbon(s) in sample based on diesel
Q1 = Quantity of unknown hydrocarbon(s) in sample based on gasoline
RWQCB ESLs = Regional Water Quality Control Board ESLs for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - November 2007 (Revised May 2008) San Francisco Bay Region, CA.
TDS = total dissolved solids
TPH = total petroleum hydrocarbons
µg/L = micrograms per liter
µs = microSiemens

ARCADIS

Figures



NOTES:

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

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\00138398 UPS Oakland\2015\0022.00300\1st 2nd SA GMR\B0038398N02.dwg LAYOUT: 2 SAVED: 9/11/2015 10:33 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/15/2015 12:57 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'

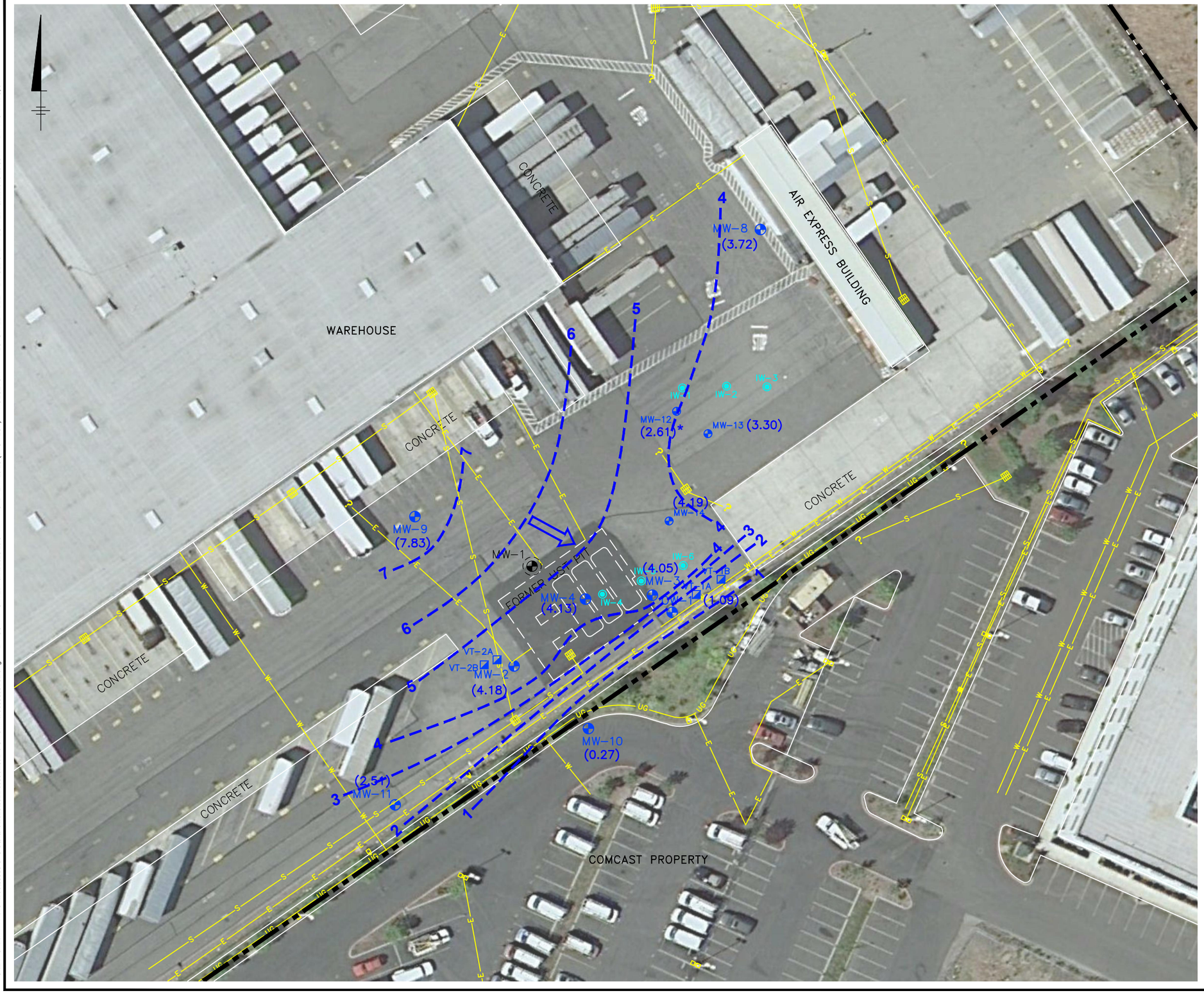
GRAPHIC SCALE

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

SITE MAP

ARCADIS

FIGURE
3



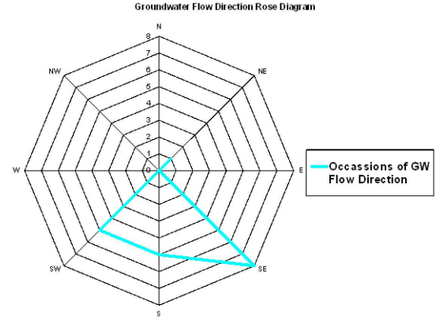
LEGEND

- 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

- WATER–TABLE ELEVATION CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL = 1.0 FEET
- (7.83) WATER–TABLE ELEVATION (FEET)
- APPARENT DIRECTION OF GROUNDWATER FLOW
- * DATA NOT USED FOR CONTOURING

Groundwater Flow Direction Rose Diagram



0 50' 100'

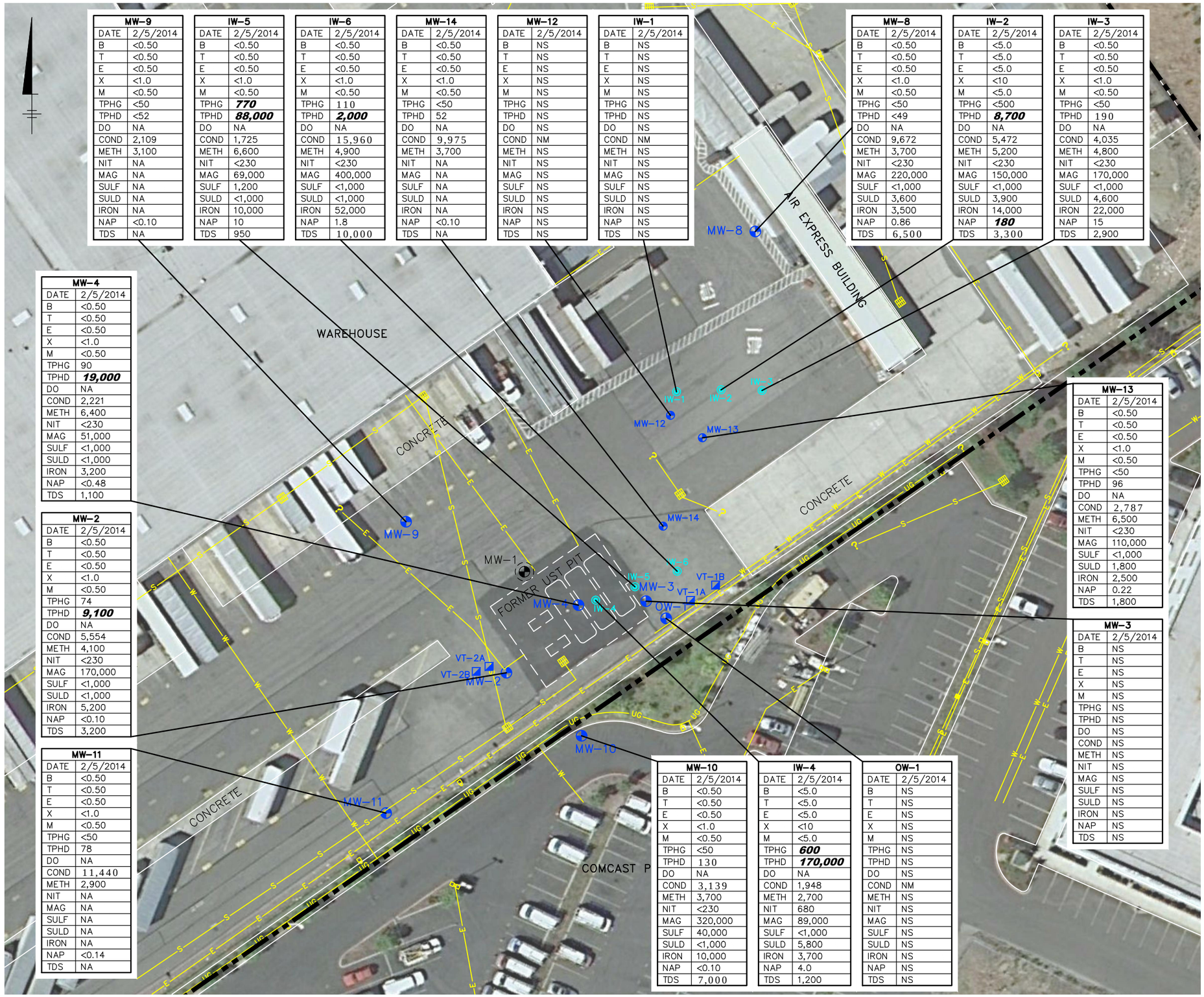
GRAPHIC SCALE

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

GROUNDWATER CONTOUR MAP FEBRUARY 5, 2014

ARCADIS

FIGURE 4



MW-9	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	<52
DO	NA
COND	2,109
METH	3,100
NIT	NA
MAG	NA
SULF	NA
SULD	NA
IRON	NA
NAP	<0.10
TDS	NA

IW-5	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	***770***
TPHD	***88,000***
DO	NA
COND	1,725
METH	6,600
NIT	<230
MAG	69,000
SULF	1,200
SULD	<1,000
IRON	10,000
NAP	10
TDS	950

IW-6	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	110
TPHD	***2,000***
DO	NA
COND	15,960
METH	4,900
NIT	<230
MAG	400,000
SULF	<1,000
SULD	<1,000
IRON	52,000
NAP	1.8
TDS	10,000

MW-14	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	52
DO	NA
COND	9,975
METH	3,700
NIT	NA
MAG	NA
SULF	NA
SULD	NA
IRON	NA
NAP	<0.10
TDS	NA

MW-12	
DATE	2/5/2014
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NM
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

IW-1	
DATE	2/5/2014
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NM
METH	NS
NIT	NS
MAG	NS
SULF	NS
SULD	NS
IRON	NS
NAP	NS
TDS	NS

MW-8	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	<49
DO	NA
COND	9,672
METH	3,700
NIT	<230
MAG	220,000
SULF	<1,000
SULD	3,600
IRON	3,500
NAP	0.86
TDS	6,500

IW-2	
DATE	2/5/2014
B	<5.0
T	<5.0
E	<5.0
X	<10
M	<5.0
TPHG	<500
TPHD	***8,700***
DO	NA
COND	5,472
METH	5,200
NIT	<230
MAG	150,000
SULF	<1,000
SULD	3,900
IRON	14,000
NAP	***180***
TDS	3,300

IW-3	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	190
DO	NA
COND	4,035
METH	4,800
NIT	<230
MAG	170,000
SULF	<1,000
SULD	4,600
IRON	22,000
NAP	15
TDS	2,900

MW-4	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	90
TPHD	***19,000***
DO	NA
COND	2,221
METH	6,400
NIT	<230
MAG	51,000
SULF	<1,000
SULD	<1,000
IRON	3,200
NAP	<0.48
TDS	1,100

MW-2	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	74
TPHD	***9,100***
DO	NA
COND	5,554
METH	4,100
NIT	<230
MAG	170,000
SULF	<1,000
SULD	<1,000
IRON	5,200
NAP	<0.10
TDS	3,200

MW-11	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	78
DO	NA
COND	11,440
METH	2,900
NIT	NA
MAG	NA
SULF	NA
SULD	NA
IRON	NA
NAP	<0.14
TDS	NA

MW-13	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	96
DO	NA
COND	2,787
METH	6,500
NIT	<230
MAG	110,000
SULF	<1,000
SULD	1,800
IRON	2,500
NAP	0.22
TDS	1,800

MW-3	
DATE	2/5/2014
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-10	
DATE	2/5/2014
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPHG	<50
TPHD	130
DO	NA
COND	3,139
METH	3,700
NIT	<230
MAG	320,000
SULF	40,000
SULD	<1,000
IRON	10,000
NAP	<0.10
TDS	7,000

IW-4	
DATE	2/5/2014
B	<5.0
T	<5.0
E	<5.0
X	<10
M	<5.0
TPHG	***600***
TPHD	***170,000***
DO	NA
COND	1,948
METH	2,700
NIT	680
MAG	89,000
SULF	<1,000
SULD	5,800
IRON	3,700
NAP	4.0
TDS	1,200

OW-1	
DATE	2/5/2014
B	NS
T	NS
E	NS
X	NS
M	NS
TPHG	NS
TPHD	NS
DO	NS
COND	NM
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	TPH GASOLINE
TPHD	TPH 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

NA = NOT ANALYZED

0 50' 100'

GRAPHIC SCALE

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

GROUNDWATER QUALITY MAP
FEBRUARY 5, 2014

ARCADIS

FIGURE
5

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* G:\ENVCAD\TAMPA\ACTIVE\00038398 UPS Oakland\2015\0022.00300\1st 2nd SA GMR\B0038398B01.dwg LAYOUT: 5 SAVED: 9/11/2015 10:49 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/15/2015 12:59 PM BY: RICHARDS, JIM

ARCADIS

Attachment A

Field Data Sheets

WELL GAUGING DATA

Project # 140205-MW1 Date 2/5/14 Client ARCADIS

Site 8400 POPPY 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	0923	4	ODOR	—			5.45	14.40		SKIMMER
MW-3	0927	4	ODOR	5.80	0.04	—	5.84	—		SKIMMER
MW-4	0906	2					5.64	16.20		
MW-8	0827	2					4.50	12.23		
MW-9	0917	2					6.80	13.36		
MW-10	0958	2					9.91	12.31		
MW-11	0853	2					6.98	12.64		
MW-12	0915	2		6.47	0.35	212	6.82	—		
MW-13	0903	2					5.80	9.20		
MW-14	0848	2					5.10	9.21		
OW-1	0927	6	ODOR	8.43	0.03	—	8.46	—		SKIMMER
IW-1	0910	2		6.58	0.11	66	6.69	—		
IW-2	0858	2					6.05	9.02		
IW-3	0852	2					5.83	9.12		
IW-4	0935	2					6.86	9.75		
IW-5	0912	2					6.91	9.32		
IW-6	0845	2					5.55	9.30		

WELLHEAD INSPECTION CHECKLIST

Client ARCADIS Date 2/5/14

Site Address 9400 DARDEE DR. OAKLAND, CA

Job Number 140205-MW1 Technician MW/DK

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	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	X						

NOTES: IW-4: -2/2 BOLTS (9/16") -2/2 NUTS (5/8" MORRISON)

WELLHEAD INSPECTION CHECKLIST

Client ARCADIS Date 2/5/14

Site Address 8400 BAROSSE DR. OAKLAND, CA

Job Number 140205-LM01 Technician MM / DW

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
IW-6	✓							

NOTES:

WELL MONITORING DATA SHEET

Project #: 140205-MW1	Site: 8400 PARDEE DR, OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.40	Depth to Water (DTW): 5.45
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.24	

Purge Method:
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate= 4 gpm

5.8 (Gals.) X 3 = 17.4 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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1111	64.8	7.87	5877	52	—	—	5.8	
WELL DEWATERED @ 7 GALS								
1405	65.2	7.63	5554	224	—	—	—	
10mL of water in skimmer								

Did well dewater? (Yes) No Gallons actually evacuated: 7

Sampling Date: 2/5/14 Sampling Time: 1405 Depth to Water: 7.16

Sample I.D.: MW-2 Laboratory: STA

Analyzed for: See SAW Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-DMW1	Site: 8400 Pardee Dr., Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): ———	Depth to Water (DTW): 5.84
Depth to Free Product: 5.80	Thickness of Free Product (feet): 0.04
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:
Disposable Bailer
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

_____(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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
*	Emptied Skimmer							
*	10 ml of H_2O Removed							
*	2 ml of SPH Removed							
*	Replaced Skimmer as found							
*	No Sample Taken							

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory:

Analyzed for: Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 142505-MW1	Site: 8400 PARDEE DR. OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 16.20	Depth to Water (DTW): 5.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.75	

Purge Method:
- ~~Disposable Bailer~~
- Positive Air Displacement
- Electric Submersible
- Waterra
- 2" Rediflo pump
- Extraction Pump
- Other_____

Sampling Method:
- ~~Disposable Bailer~~
- Extraction Port
- Dedicated Tubing
- Other: _____

Flow Rate=_____

1.7 (Gals.) X 3 = 5.1 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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1145	62.5	8.96	2565	>1000	—	—	1.7	
1149	65.1	8.38	2467	>1000	—	—	3.4	
1151	65.2	8.20	2221	>1000	—	—	5.1	

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Date: 2/5/14 Sampling Time: 1155 Depth to Water: 5.66

Sample I.D.: MW-4 Laboratory: TA

Analyzed for: see SOW Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WM1	Site: 8400 Pardee Dr., Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.23	Depth to Water (DTW): 4.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.05	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1035	63.8	6.77	6070	395	—	—	1.2	
1036	65.9	6.78	9629	521	—	—	2.4	
1037	66.2	6.78	9672	755	—	—	3.6	
								NOT 80%

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

Sampling Date: 2/5/14 Sampling Time: 1350 Depth to Water: 9.05 (2hr)

Sample I.D.: MW-8 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205 TW01	Site: 8400 PARDEE DR, OAKLAND, CA
Sampler: ZW	Date: 2/5/14
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 13.36	Depth to Water (DTW): 6.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.11	

Purge Method:
(Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump / Extraction Pump / Other_____

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

Flow Rate=_____

1.1 (Gals.) X 3 = 3.3 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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1058	64.0	7.68	15.04	114	—	—	1.1	
1100	65.6	7.74	22.33	274	—	—	2.2	
1103	68.6	6.73	2109	423	—	—	3.3	
WELL DEWATERED DURING SAMPLING								
FILLED: 6 VOAs + 3-1L AGB.								

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 2/5/14 Sampling Time: 1450 Depth to Water: 11.42 (SAMPLED PER AM)

Sample I.D.: MW-9 Laboratory: TA

Analyzed for: 8260 SAW Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-MW1	Site: 7400 PARDEE DR. OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.31	Depth to Water (DTW): 9.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.99	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

0.5 (Gals.) X 3 = 1.5 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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1020	63.3	6.81	3174	116	—	—	0.5	
1022	62.8	6.64	3147	458	—	—	1.0	
1025	63.8	6.73	3139	506	—	—	1.5	

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

Sampling Date: 2/5/14 Sampling Time: 1030 Depth to Water: 9.67

Sample I.D.: MW-10 Laboratory: TA

Analyzed for: See SOW Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-GW1	Site: 8400 PARDEE DR, OAKLAND, CA
Sampler: LW	Date: 2/5/14
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.64	Depth to Water (DTW): 6.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.11	

Purge Method:
(Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump / Extraction Pump / Other_____

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

Flow Rate=_____

0.9 (Gals.) X 3 = 2.7 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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1125	63.1	7.16	10.96	194	———	———	0.9	
1128	65.6	6.76	12.54	636	———	———	1.8	
well dewatered @ 2.8 GALS								
1430	61.4	7.08	11.44	302	———		—	
DEWATERED DURING SAMPLING.								
FINAL: 5 VOAs + 3.75 AGB (1L)								

Did well dewater? (Yes) No Gallons actually evacuated: 2

Sampling Date: 2/5/14 Sampling Time: 1430 Depth to Water: 8.09

Sample I.D.: MW-11 Laboratory: TA

Analyzed for: 5LL 5DW Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-MW1	Site: 8400 FARALLON DR, OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD):	Depth to Water (DTW): 6.82
Depth to Free Product:	Thickness of Free Product (feet): 0.35
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- 2" Rediflo pump
- Extraction Pump
- Other MASTERFLEX 1/2" pre tubing

Sampling Method:

- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

Flow Rate= ___

___(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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
~~*~~ 212 mL SPH removed					~~*~~ 1		gals H2O	

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:		Laboratory:	
Analyzed for:		Other:	
EB I.D. (if applicable): @ Time		Duplicate I.D. (if applicable):	
FB I.D. (if applicable): @ Time		Analyzed for:	
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 #: 140205-MW1	Site: 8400 Pardee Dr, Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.20	Depth to Water (DTW): 5.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.48	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

0.5 (Gals.) X 3 = 1.5 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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1107	64.3	7.12	2779	1000	—	—	0.5	
1108	64.8	6.96	2767	1000	—	—	1.0	
1108	well dewatered @ 1.2 gals							
1450	64.6	7.03	2787	1000	—	—	—	

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

Sampling Date: 2/5/14 Sampling Time: 1450 Depth to Water: 6.70 (2hr)

Sample I.D.: MW-13 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 Pardee Dr., Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): 9.21	Depth to Water (DTW): 5.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.92	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1022	62.5	6.75	9177	422	—	—	0.7	
1023	64.2	6.37	15.03ms	695	—	—	1.4	
1025	Well	Dewatered	@	1.8	gals			
								5 HCL VOA's
								3 1L NP Ambers
1320	63.8	6.62	9975	>1000	—	—		

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

Sampling Date: 2/5/14 Sampling Time: 1320 Depth to Water: 7.63 (2hr)

Sample I.D.: MW-14 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 Pardee Dr., Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): ___	Depth to Water (DTW): 8.46
Depth to Free Product: 8.43	Thickness of Free Product (feet): 0.03
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / 2" Rediflo pump / Extraction Pump / Other ___

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

Flow Rate= ___

___ (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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
*	Emptied Skimmer							
*	510ml of H2O removed							
*	10 ml of SPH removed							
*	Replaced skimmer as found							
*	No Sample Taken							

Did well dewater? Yes / No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory:

Analyzed for: Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 Pardee Dr., Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): ___	Depth to Water (DTW): 8.46
Depth to Free Product: 8.43	Thickness of Free Product (feet): 0.03
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: (Disposable Bailer) Positive Air Displacement Electric Submersible Waterra 2" Rediflo pump Extraction Pump Other ___

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

Flow Rate= ___

___ (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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
*	Emptied Skimmer							
*	510ml of H2O removed							
*	10 ml of SPH removed							
*	Replaced Skimmer as found							
*	No Sample Taken							

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory:

Analyzed for: Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-MW1	Site: 8400 PARDEE DR, OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): ___	Depth to Water (DTW): 6.69
Depth to Free Product:	Thickness of Free Product (feet): 0.11
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- 2" Rediflo pump
- Extraction Pump
- Other MASTERFLEX (1/2") PE tubing

Sampling Method:
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

Flow Rate= ___

___ (Gals.) X 2 = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
*	66	mL	SPH removed + 0.5 gals H2O					

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Date:	Sampling Time:	Depth to Water:	
Sample I.D.:		Laboratory:	
Analyzed for:		Other:	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
FB I.D. (if applicable):	@ Time	Analyzed for:	
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 #: 140285-WW1	Site: 8400 Pardee Dr, Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: IW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.02	Depth to Water (DTW): 6.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.64	

Purge Method:
(Disposable Bailer) Waterra
Positive Air Displacement 2" Rediflo pump
Electric Submersible Extraction Pump
Other_____

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

Flow Rate=_____

0.5 (Gals.) X 3 = 1.5 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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1117	63.7	6.85	5399	71000	—	—	0.5	Heavy sheen
1117	well dewatered @ 0.8 gals							
1530	65.6	6.97	5472	71000	—	—	—	

Did well dewater? (Yes) No Gallons actually evacuated: 0.8

Sampling Date: 2/5/14 Sampling Time: 1530 Depth to Water: 6.45

Sample I.D.: IW-2 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 Pardee Dr, Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: IW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.12	Depth to Water (DTW): 5.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.49	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

0.5 (Gals.) X 3 = 1.5 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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1057	63.4	7.19	4134	71000	—	—	0.5	
1058	64.6	6.82	3974	71000	—	—	1.0	
1058	well dewatered @ 1.2 gals							
1415	64.2	7.01	4035	71000	—	—	—	

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

Sampling Date: 2/5/14 Sampling Time: 1415 Depth to Water: 6.30 (6.10)

Sample I.D.: IW-3 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 DARDEE PR, OAKLAND, CA
Sampler: MW	Date: 2/5/14
Well I.D.: IW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.75	Depth to Water (DTW): 6.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.44	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

0.5 (Gals.) X 3 = 1.5 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)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1212	63.5	7.68	1673	243	—	—	0.5	
1213	63.9	7.25	2013	>1000	—	—	1	Odor, gray
1215	64.7	7.15	1948	>1000	—	—	1.5	" "

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

Sampling Date: 2/5/14 Sampling Time: 1220 Depth to Water: 6.86

Sample I.D.: IW-4 Laboratory: TA

Analyzed for: See Sow Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-DW1	Site: 8400 Pardee Dr, Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: IW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.32	Depth to Water (DTW): 6.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.39	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1158	63.6	7.11	1589	>1000	—	—	0.4	
1159	65.2	6.80	1719	>1000	—	—	0.8	
1159	65.4	6.77	1725	>1000	—	—	1.2	

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

Sampling Date: 2/5/14 Sampling Time: 1205 Depth to Water: 7.07

Sample I.D.: IW-5 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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 #: 140205-WW1	Site: 8400 Pardee Dr, Oakland CA
Sampler: DW	Date: 2/5/14
Well I.D.: IW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.30	Depth to Water (DTW): 5.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type:
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.30	

Purge Method:
(Disposable Bailer)
Positive Air Displacement
Electric Submersible
Waterra
2" Rediflo pump
Extraction Pump
Other_____

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

Flow Rate=_____

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)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Gals. Removed	Observations
1012	61.3	6.16	15.73	7000	—	—	0.6	
1013	62.8	6.33	15.91	7000	—	—	1.2	
1014	63.0	6.36	15.96	7000	—	—	1.8	
								NOT 80%

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

Sampling Date: 2/5/14 Sampling Time: 1255 Depth to Water: 5.64

Sample I.D.: IW-6 Laboratory: TA-SF

Analyzed for: SEE COC Other:

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

FB I.D. (if applicable): @ Time Analyzed for:

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				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
MyronL Ultrameter 2	6223839	2/5/14	PH: 4.7.10 Cond. 3900us	PH: 7.00; 10.00 cond: 4.00 3900us	Yes	52.3°F	MW
myron2 ultrameter II	617813	2/5/14	PH 7,10,4	7,10,4	Yes	55.8	DW
			3900us/cm	3900	Yes	55.8	DW

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 140205 - MW1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: TA - SF DHS #

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

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		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 #
MW-2	2/5/14	1405	W	13	mixed	X	X	X	X	X	X	X	X				
MW-4		1155		13		X	X	X	X	X	X	X	X				
MW-8		1350		13		X	X	X	X	X	X	X	X				
MW-9		1450		9		X	X	X					X				
MW-10		1030		13		X	X	X	X	X	X	X	X				
MW-11		1430		8		X	X	X					X				
MW-13		1450		13		X	X	X	X	X	X	X	X				
MW-14		1320		8		X	X	X					X				
IW-2		1530		13		X	X	X	X	X	X	X	X				
IW-3		1415		13		X	X	X	X	X	X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	2/5/14	1530	WILLIAM WOOD / DANIEL DUFFIN

RESULTS NEEDED NO LATER THAN: Standard TAT

	DATE	TIME		DATE	TIME
RELEASED BY			RECEIVED BY	2/5/14	1712
RELEASED BY	2/5/14	1712	RECEIVED BY		
RELEASED BY			RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 140205-MW1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF DHS #

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

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

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	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 #
MW-4	2/5/14	1220	W	13	mixed		X	X	X	X	X	X	X	X				
MW-5	〃	1205	〃	13	〃		X	X	X	X	X	X	X	X				
MW-6	〃	1255	〃	13	〃		X	X	X	X	X	X	X	X				

SAMPLING COMPLETED: DATE 2/5/14 TIME

SAMPLING PERFORMED BY: WILLIAM WONG / DANIEL ALLEN

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	2/5/14	1712		2/5/14	1712
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

ARCADIS

Attachment B

SOS® Passive Skimmers
Specifications

SOS® Passive Skimmers

For Low Recovery Wells

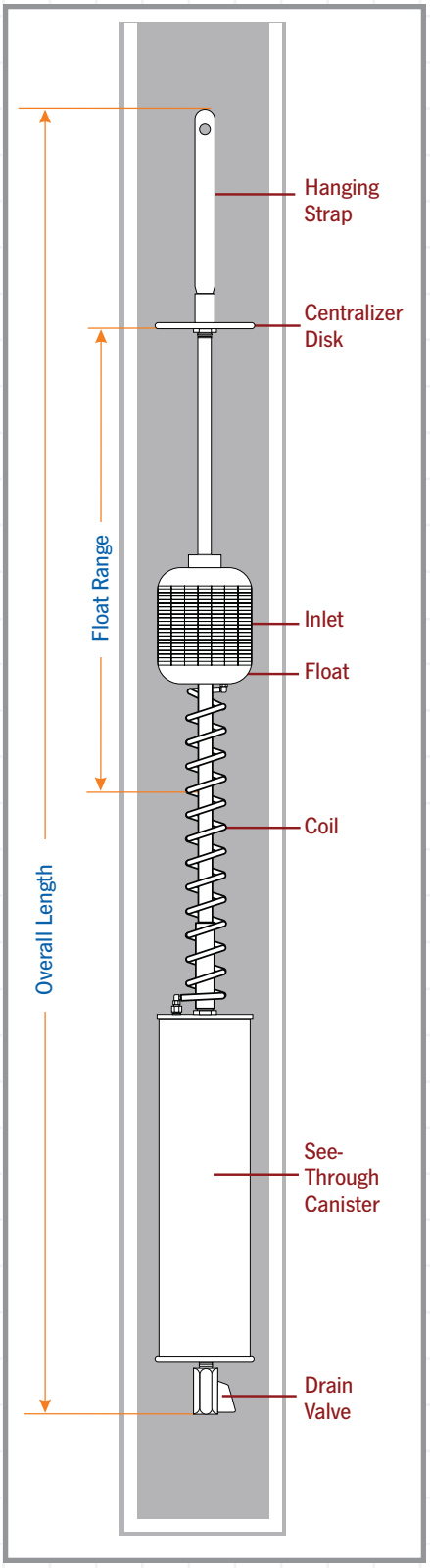
The QED family of Passive Skimmers has been designed for free product recovery applications in sites where active pumping systems are not applicable due to existing conditions or extreme low permeability formations. The floating intake head follows the groundwater fluctuations in the recovery well, allowing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

Attachment C

Laboratory Analytical Results and Chain-of-Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

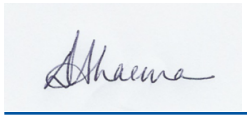
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-55327-1
Client Project/Site: UPS-Oakland

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

Attn: Ms. Jennifer LeBeau



Authorized for release by:
2/13/2014 7:22:34 AM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

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

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
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: 720-55327-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-55327-1

Comments
No additional comments.

Receipt
The samples were received on 2/5/2014 6:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 2.6º C, 2.6º C, 3.5º C, 4.1º C, 5.0º C and 5.3º C.

Except:

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): (#4) MW-9 received 8 containers, while the COC lists 9 containers. (Received 3 amber 1L's not 4.) (#6) MW-11 received 9 containers, while the COC lists 8 containers. (Received 4 amber 1L's not 3.) Received sufficent sample containers for all analyses requested.

GC/MS VOA
Method 8260B: The following sample 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 (720-55327-9), MW-11 (720-55327-6), MW-13 (720-55327-7), MW-14 (720-55327-8), MW-8 (720-55327-3), MW-9 (720-55327-4), (720-55327-1 MS), (720-55327-1 MSD), MW-2 (720-55327-1), IW-3 (720-55327-10).

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method 8270C SIM: Surrogate recovery for the following sample was outside control limits: IW-6 (720-55327-13), MW-2 (720-55327-1), MW-4 (720-55327-2). 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: MW-4 (720-55327-2). Elevated reporting limits (RLs) are provided.

Method 8270C SIM: Surrogate recovery for the following sample was outside control limits: IW-4 (720-55327-11). 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-4 (720-55327-11), IW-5 (720-55327-12). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA
Method RSK-175: The following sample 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, and corrective action was not possible: IW-2 (720-55327-9), IW-3 (720-55327-10), MW-11 (720-55327-6), MW-14 (720-55327-8), MW-2 (720-55327-1), MW-8 (720-55327-3), MW-9 (720-55327-4). pH=7.

No other analytical or quality issues were noted.

GC Semi VOA
Method 8015B: The following sample required a dilution due to the nature of the sample matrix: IW-4 (720-55327-11). 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: The following sample required a dilution due to the nature of the sample matrix: IW-2 (720-55327-9), IW-5 (720-55327-12), MW-2 (720-55327-1), MW-4 (720-55327-2). 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.

Job ID: 720-55327-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

Method 8015B: The Diesel Range Organics (DRO) concentration reported for the following sample is due to the presence of discrete peaks: MW-10 (720-55327-5).

No other analytical or quality issues were noted.

Metals

Method 3005A: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of >2: IW-2 (720-55327-9), IW-3 (720-55327-10), MW-2 (720-55327-1), MW-8 (720-55327-3). The sample was preserved to the appropriate pH in the laboratory. Added 1mL HNO3 on 02/06/14. ref #: 153078

Method 3010A: The reference method requires samples to be preserved to a pH of <<<2>>. The following sample was received with insufficient preservation at a pH of <<>2>>: (720-55327-3 MS), (720-55327-3 MSD), IW-2 (720-55327-9), IW-3 (720-55327-10), IW-4 (720-55327-11), MW-8 (720-55327-3). The sample(s) was preserved to the appropriate pH in the laboratory. Reference # 153078 sample 55327

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 153061 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.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 153169 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.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 153221 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.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method 3510C SGC: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: The samples 720-55327-1, 2, 5,6,8,9,10,11,12,13 had sediment.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-2 — Lab Sample ID: 720-55327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	74		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Fluorene	1.8		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.4		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.16		0.10		ug/L	1		8270C SIM	Total/NA
Chrysene	0.15		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[a]pyrene	0.13		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	0.20		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.37		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.52		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.1		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	9100		250		ug/L	5		8015B	Silica Gel Cleanup
Magnesium	170		0.20		mg/L	1		6010B	Total/NA
Iron	5.2		0.20		mg/L	1		6010B	Dissolved
Manganese	3.4		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	3200		17		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 720-55327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	90		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Fluorene	5.7		0.48		ug/L	5		8270C SIM	Total/NA
Phenanthrene	2.0		0.48		ug/L	5		8270C SIM	Total/NA
Pyrene	0.63		0.48		ug/L	5		8270C SIM	Total/NA
Methane (TCD)	6.4		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	19000		520		ug/L	10		8015B	Silica Gel Cleanup
Magnesium	51		0.20		mg/L	1		6010B	Total/NA
Iron	3.2		0.20		mg/L	1		6010B	Dissolved
Manganese	6.1		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 720-55327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.85		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.22		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	3.7		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	220		0.20		mg/L	1		6010B	Total/NA
Iron	3.5		0.20		mg/L	1		6010B	Dissolved
Manganese	2.0		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	6500		33		mg/L	1		SM 2540C	Total/NA
Sulfide	3.6		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 720-55327-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	3.1		1.0		mg/L	1		RSK-175	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: 720-55327-1

Client Sample ID: MW-10 — Lab Sample ID: 720-55327-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	3.7		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	130		47		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	320		0.20		mg/L	1		6010B	Total/NA
Iron	10		0.20		mg/L	1		6010B	Dissolved
Manganese	7.9		0.020		mg/L	1		6010B	Dissolved
Sulfate	40		10		mg/L	10		300.0	Total/NA
Total Dissolved Solids	7000		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 720-55327-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	2.9		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	78		52		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: MW-13 — Lab Sample ID: 720-55327-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.22		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.14		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	6.5		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	96		51		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	110		0.20		mg/L	1		6010B	Total/NA
Iron	2.5		0.20		mg/L	1		6010B	Dissolved
Manganese	2.0		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	1800		10		mg/L	1		SM 2540C	Total/NA
Sulfide	1.8		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 720-55327-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	3.7		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	52		50		ug/L	1		8015B	Silica Gel Cleanup

Client Sample ID: IW-2 — Lab Sample ID: 720-55327-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	180		10		ug/L	10		8260B/CA_LUFT MS	Total/NA
Naphthalene	30		1.0		ug/L	10		8270C SIM	Total/NA
Acenaphthene	69		1.0		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	65		1.0		ug/L	10		8270C SIM	Total/NA
Phenanthrene	130		1.0		ug/L	10		8270C SIM	Total/NA
Anthracene	16		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	9.3		0.10		ug/L	1		8270C SIM	Total/NA
Chrysene	7.7		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[a]pyrene	2.3		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	4.1		0.10		ug/L	1		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-2 (Continued) — Lab Sample ID: 720-55327-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	1.9		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	0.71		0.10		ug/L	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.72		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	50		1.0		ug/L	10		8270C SIM	Total/NA
Pyrene	32		1.0		ug/L	10		8270C SIM	Total/NA
Dibenz(a,h)anthracene	0.34		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	5.2		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	8700		270		ug/L	5		8015B	Silica Gel Cleanup
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	14		0.20		mg/L	1		6010B	Dissolved
Manganese	2.3		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	3300		25		mg/L	1		SM 2540C	Total/NA
Sulfide	3.9		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-3 — Lab Sample ID: 720-55327-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	15		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	8.1		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.6		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.97		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.66		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.17		0.10		ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.10		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.31		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.24		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.8		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	190		55		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	170		0.20		mg/L	1		6010B	Total/NA
Iron	22		0.20		mg/L	1		6010B	Dissolved
Manganese	2.8		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	2900		17		mg/L	1		SM 2540C	Total/NA
Sulfide	4.6		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-4 — Lab Sample ID: 720-55327-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	600		500		ug/L	10		8260B/CA_LUFT MS	Total/NA
Naphthalene	4.0		0.95		ug/L	10		8270C SIM	Total/NA
Acenaphthene	3.8		0.95		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	3.8		0.95		ug/L	10		8270C SIM	Total/NA
Fluorene	18		0.95		ug/L	10		8270C SIM	Total/NA
Phenanthrene	14		0.95		ug/L	10		8270C SIM	Total/NA
Anthracene	2.2		0.95		ug/L	10		8270C SIM	Total/NA
Benzo[a]anthracene	1.4		0.95		ug/L	10		8270C SIM	Total/NA
Chrysene	1.7		0.95		ug/L	10		8270C SIM	Total/NA
Benzo[b]fluoranthene	1.3		0.95		ug/L	10		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-4 (Continued) — Lab Sample ID: 720-55327-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	3.1		0.95		ug/L	10		8270C SIM	Total/NA
Pyrene	3.6		0.95		ug/L	10		8270C SIM	Total/NA
Methane (TCD)	2.7		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	170000		2600		ug/L	50		8015B	Silica Gel Cleanup
Magnesium	89		0.20		mg/L	1		6010B	Total/NA
Iron	3.7		0.20		mg/L	1		6010B	Dissolved
Manganese	6.0		0.020		mg/L	1		6010B	Dissolved
Nitrate as N	0.68		0.23		mg/L	1		300.0	Total/NA
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA
Sulfide	5.8		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-5 — Lab Sample ID: 720-55327-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	3.5		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	770		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	10		0.95		ug/L	10		8270C SIM	Total/NA
Acenaphthene	4.8		0.95		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	5.4		0.95		ug/L	10		8270C SIM	Total/NA
Fluorene	35		0.95		ug/L	10		8270C SIM	Total/NA
Phenanthrene	39		0.95		ug/L	10		8270C SIM	Total/NA
Anthracene	3.4		0.95		ug/L	10		8270C SIM	Total/NA
Chrysene	1.2		0.95		ug/L	10		8270C SIM	Total/NA
Fluoranthene	1.1		0.95		ug/L	10		8270C SIM	Total/NA
Pyrene	2.4		0.95		ug/L	10		8270C SIM	Total/NA
Methane (TCD)	6.6		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	88000		2400		ug/L	50		8015B	Silica Gel Cleanup
Magnesium	69		0.20		mg/L	1		6010B	Total/NA
Iron	10		0.20		mg/L	1		6010B	Dissolved
Manganese	7.1		0.020		mg/L	1		6010B	Dissolved
Sulfate	1.2		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	950		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 720-55327-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.8		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	110		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.23		0.097		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.51		0.097		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.36		0.097		ug/L	1		8270C SIM	Total/NA
Fluorene	1.9		0.097		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.5		0.097		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.9		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	2000		49		ug/L	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-6 (Continued)

Lab Sample ID: 720-55327-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	400		0.20		mg/L	1		6010B	Total/NA
Iron	52		0.20		mg/L	1		6010B	Dissolved
Manganese	3.4		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	10000		71		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2
Date Collected: 02/05/14 14:05
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			02/06/14 14:57	1
Benzene	ND		0.50		ug/L			02/06/14 14:57	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 14:57	1
Naphthalene	ND		1.0		ug/L			02/06/14 14:57	1
Toluene	ND		0.50		ug/L			02/06/14 14:57	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 14:57	1
Gasoline Range Organics (GRO) -C5-C12	**74**		50		ug/L			02/06/14 14:57	1
1,2-DCA	ND		0.50		ug/L			02/06/14 14:57	1
EDB	ND		0.50		ug/L			02/06/14 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/06/14 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*02/06/14 14:57*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/06/14 14:57*	*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		02/11/14 08:00	02/11/14 16:29	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Fluorene	**1.8**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Phenanthrene	**1.4**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Benzo[a]anthracene	**0.16**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Chrysene	**0.15**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Benzo[a]pyrene	**0.13**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Benzo[b]fluoranthene	**0.20**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Fluoranthene	**0.37**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Pyrene	**0.52**		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*29 - 120*	*02/11/14 08:00*	*02/11/14 16:29*	*1*
Terphenyl-d14	*40*	*X*	*45 - 120*	*02/11/14 08:00*	*02/11/14 16:29*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.1**		1.0		mg/L			02/10/14 16:25	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]	**9100**		250		ug/L		02/06/14 11:00	02/06/14 22:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/06/14 11:00*	*02/06/14 22:57*	*5*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/06/14 11:00*	*02/06/14 22:57*	*5*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-2
Date Collected: 02/05/14 14:05
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-1
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**170**		0.20		mg/L		02/06/14 09:59	02/12/14 18:19	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**5.2**		0.20		mg/L		02/08/14 12:14	02/10/14 20:43	1
Manganese	**3.4**		0.020		mg/L		02/08/14 12:14	02/10/14 20:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 19:24	1
Sulfate	ND		1.0		mg/L			02/05/14 19:24	1
Total Dissolved Solids	**3200**		17		mg/L			02/09/14 23:42	1
Sulfide	ND		1.0		mg/L			02/10/14 21:22	1

Client Sample ID: MW-4
Date Collected: 02/05/14 11:55
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-2
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			02/06/14 16:54	1
Benzene	ND		0.50		ug/L			02/06/14 16:54	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 16:54	1
Naphthalene	ND		1.0		ug/L			02/06/14 16:54	1
Toluene	ND		0.50		ug/L			02/06/14 16:54	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 16:54	1
Gasoline Range Organics (GRO) -C5-C12	**90**		50		ug/L			02/06/14 16:54	1
1,2-DCA	ND		0.50		ug/L			02/06/14 16:54	1
EDB	ND		0.50		ug/L			02/06/14 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*02/06/14 16:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*72 - 130*		*02/06/14 16:54*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/06/14 16:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Acenaphthene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Acenaphthylene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Fluorene	**5.7**		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Phenanthrene	**2.0**		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Anthracene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Benzo[a]anthracene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Chrysene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Benzo[a]pyrene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Benzo[b]fluoranthene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Benzo[k]fluoranthene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Benzo[g,h,i]perylene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Indeno[1,2,3-cd]pyrene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Fluoranthene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Pyrene	**0.63**		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5
Dibenz(a,h)anthracene	ND		0.48		ug/L		02/11/14 08:00	02/11/14 23:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*29 - 120*	*02/11/14 08:00*	*02/11/14 23:50*	*5*
Terphenyl-d14	*43*	*X*	*45 - 120*	*02/11/14 08:00*	*02/11/14 23:50*	*5*

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			02/10/14 16:38	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]	**19000**		520		ug/L		02/06/14 11:00	02/06/14 22:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/06/14 11:00*	*02/06/14 22:33*	*10*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/06/14 11:00*	*02/06/14 22:33*	*10*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-4
Date Collected: 02/05/14 11:55
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**51**		0.20		mg/L		02/06/14 09:59	02/12/14 18:24	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**3.2**		0.20		mg/L		02/08/14 12:14	02/10/14 17:19	1
Manganese	**6.1**		0.020		mg/L		02/08/14 12:14	02/10/14 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 19:59	1
Sulfate	ND		1.0		mg/L			02/05/14 19:59	1
Total Dissolved Solids	**1100**		10		mg/L			02/09/14 23:44	1
Sulfide	ND		1.0		mg/L			02/10/14 21:25	1

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-8
Date Collected: 02/05/14 13:50
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-3
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			02/06/14 17:23	1
Benzene	ND		0.50		ug/L			02/06/14 17:23	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 17:23	1
Naphthalene	ND		1.0		ug/L			02/06/14 17:23	1
Toluene	ND		0.50		ug/L			02/06/14 17:23	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 17:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 17:23	1
1,2-DCA	ND		0.50		ug/L			02/06/14 17:23	1
EDB	ND		0.50		ug/L			02/06/14 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*02/06/14 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/06/14 17:23*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/06/14 17:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.85**		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Acenaphthene	**0.22**		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Fluorene	**0.11**		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*29 - 120*	*02/11/14 08:00*	*02/11/14 17:16*	*1*
Terphenyl-d14	*66*		*45 - 120*	*02/11/14 08:00*	*02/11/14 17:16*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.7**		1.0		mg/L			02/10/14 16:51	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		49		ug/L		02/06/14 11:00	02/06/14 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 5*	*02/06/14 11:00*	*02/06/14 20:32*	*1*
p-Terphenyl	*82*		*31 - 150*	*02/06/14 11:00*	*02/06/14 20:32*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-8
Date Collected: 02/05/14 13:50
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-3
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	220		0.20		mg/L		02/07/14 10:49	02/10/14 19:45	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.5		0.20		mg/L		02/08/14 12:14	02/10/14 18:04	1
Manganese	2.0		0.020		mg/L		02/08/14 12:14	02/10/14 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 20:34	1
Sulfate	ND		1.0		mg/L			02/05/14 20:34	1
Total Dissolved Solids	6500		33		mg/L			02/09/14 23:47	1
Sulfide	3.6		1.0		mg/L			02/10/14 21:28	1

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-9
Date Collected: 02/05/14 14:50
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-4
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			02/06/14 17:52	1
Benzene	ND		0.50		ug/L			02/06/14 17:52	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 17:52	1
Naphthalene	ND		1.0		ug/L			02/06/14 17:52	1
Toluene	ND		0.50		ug/L			02/06/14 17:52	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 17:52	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 17:52	1
1,2-DCA	ND		0.50		ug/L			02/06/14 17:52	1
EDB	ND		0.50		ug/L			02/06/14 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/06/14 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*02/06/14 17:52*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/06/14 17:52*	*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		02/11/14 08:00	02/11/14 17:39	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Fluorene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*29 - 120*	*02/11/14 08:00*	*02/11/14 17:39*	*1*
Terphenyl-d14	*51*		*45 - 120*	*02/11/14 08:00*	*02/11/14 17:39*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.1**		1.0		mg/L			02/10/14 17:06	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		52		ug/L		02/06/14 11:00	02/06/14 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 5*	*02/06/14 11:00*	*02/06/14 21:20*	*1*
p-Terphenyl	*83*		*31 - 150*	*02/06/14 11:00*	*02/06/14 21:20*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-10
Date Collected: 02/05/14 10:30
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-5
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			02/06/14 18:22	1
Benzene	ND		0.50		ug/L			02/06/14 18:22	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 18:22	1
Naphthalene	ND		1.0		ug/L			02/06/14 18:22	1
Toluene	ND		0.50		ug/L			02/06/14 18:22	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 18:22	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 18:22	1
1,2-DCA	ND		0.50		ug/L			02/06/14 18:22	1
EDB	ND		0.50		ug/L			02/06/14 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/06/14 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/06/14 18:22*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/06/14 18:22*	*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		02/11/14 08:00	02/11/14 18:02	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Fluorene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*29 - 120*	*02/11/14 08:00*	*02/11/14 18:02*	*1*
Terphenyl-d14	*52*		*45 - 120*	*02/11/14 08:00*	*02/11/14 18:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.7**		1.0		mg/L			02/10/14 17:19	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]	**130**		47		ug/L		02/06/14 11:00	02/06/14 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.06*		*0 - 5*	*02/06/14 11:00*	*02/06/14 20:56*	*1*
p-Terphenyl	*96*		*31 - 150*	*02/06/14 11:00*	*02/06/14 20:56*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-10
Date Collected: 02/05/14 10:30
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-5
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**320**		0.20		mg/L		02/06/14 09:59	02/12/14 18:29	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**10**		0.20		mg/L		02/08/14 12:14	02/10/14 17:28	1
Manganese	**7.9**		0.020		mg/L		02/08/14 12:14	02/10/14 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 21:08	1
Sulfate	**40**		10		mg/L			02/05/14 21:25	10
Total Dissolved Solids	**7000**		50		mg/L			02/09/14 23:49	1
Sulfide	ND		1.0		mg/L			02/10/14 21:30	1

Client Sample ID: MW-11
Date Collected: 02/05/14 14:30
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-6
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			02/06/14 18:51	1
Benzene	ND		0.50		ug/L			02/06/14 18:51	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 18:51	1
Naphthalene	ND		1.0		ug/L			02/06/14 18:51	1
Toluene	ND		0.50		ug/L			02/06/14 18:51	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 18:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 18:51	1
1,2-DCA	ND		0.50		ug/L			02/06/14 18:51	1
EDB	ND		0.50		ug/L			02/06/14 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*02/06/14 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*72 - 130*		*02/06/14 18:51*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/06/14 18:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Acenaphthene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Acenaphthylene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Fluorene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Phenanthrene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Anthracene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Benzo[a]anthracene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Chrysene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Benzo[a]pyrene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Benzo[b]fluoranthene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Benzo[k]fluoranthene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Benzo[g,h,i]perylene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Indeno[1,2,3-cd]pyrene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Fluoranthene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Pyrene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1
Dibenz(a,h)anthracene	ND		0.14		ug/L		02/11/14 08:00	02/11/14 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*29 - 120*	*02/11/14 08:00*	*02/11/14 18:26*	*1*
Terphenyl-d14	*60*		*45 - 120*	*02/11/14 08:00*	*02/11/14 18:26*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.9**		1.0		mg/L			02/10/14 17:31	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]	**78**		52		ug/L		02/06/14 11:00	02/06/14 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0007*		*0 - 5*	*02/06/14 11:00*	*02/06/14 20:32*	*1*
p-Terphenyl	*83*		*31 - 150*	*02/06/14 11:00*	*02/06/14 20:32*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-13
Date Collected: 02/05/14 14:50
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-7
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			02/06/14 19:21	1
Benzene	ND		0.50		ug/L			02/06/14 19:21	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 19:21	1
Naphthalene	ND		1.0		ug/L			02/06/14 19:21	1
Toluene	ND		0.50		ug/L			02/06/14 19:21	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 19:21	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 19:21	1
1,2-DCA	ND		0.50		ug/L			02/06/14 19:21	1
EDB	ND		0.50		ug/L			02/06/14 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/06/14 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*02/06/14 19:21*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/06/14 19:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.22**		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Fluorene	**0.14**		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*29 - 120*	*02/11/14 08:00*	*02/11/14 18:49*	*1*
Terphenyl-d14	*58*		*45 - 120*	*02/11/14 08:00*	*02/11/14 18:49*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**6.5**		1.0		mg/L			02/10/14 17:44	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]	**96**		51		ug/L		02/06/14 11:00	02/06/14 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 5*	*02/06/14 11:00*	*02/06/14 21:20*	*1*
p-Terphenyl	*81*		*31 - 150*	*02/06/14 11:00*	*02/06/14 21:20*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-13
Date Collected: 02/05/14 14:50
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-7
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**110**		0.20		mg/L		02/06/14 10:01	02/12/14 18:34	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**2.5**		0.20		mg/L		02/08/14 12:14	02/10/14 17:33	1
Manganese	**2.0**		0.020		mg/L		02/08/14 12:14	02/10/14 17:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 21:43	1
Sulfate	ND		1.0		mg/L			02/05/14 21:43	1
Total Dissolved Solids	**1800**		10		mg/L			02/09/14 23:52	1
Sulfide	**1.8**		1.0		mg/L			02/10/14 21:33	1

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: MW-14
Date Collected: 02/05/14 13:20
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-8
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			02/06/14 19:50	1
Benzene	ND		0.50		ug/L			02/06/14 19:50	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 19:50	1
Naphthalene	ND		1.0		ug/L			02/06/14 19:50	1
Toluene	ND		0.50		ug/L			02/06/14 19:50	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 19:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 19:50	1
1,2-DCA	ND		0.50		ug/L			02/06/14 19:50	1
EDB	ND		0.50		ug/L			02/06/14 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/06/14 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*72 - 130*		*02/06/14 19:50*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/06/14 19:50*	*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		02/11/14 08:00	02/11/14 19:12	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Fluorene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*29 - 120*	*02/11/14 08:00*	*02/11/14 19:12*	*1*
Terphenyl-d14	*55*		*45 - 120*	*02/11/14 08:00*	*02/11/14 19:12*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.7**		1.0		mg/L			02/10/14 17:58	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]	**52**		50		ug/L		02/06/14 11:00	02/06/14 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0006*		*0 - 5*	*02/06/14 11:00*	*02/06/14 20:56*	*1*
p-Terphenyl	*96*		*31 - 150*	*02/06/14 11:00*	*02/06/14 20:56*	*1*

Client Sample ID: IW-2
Date Collected: 02/05/14 15:30
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-9
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			02/06/14 20:19	10
Benzene	ND		5.0		ug/L			02/06/14 20:19	10
Ethylbenzene	ND		5.0		ug/L			02/06/14 20:19	10
Naphthalene	**180**		10		ug/L			02/06/14 20:19	10
Toluene	ND		5.0		ug/L			02/06/14 20:19	10
Xylenes, Total	ND		10		ug/L			02/06/14 20:19	10
Gasoline Range Organics (GRO) -C5-C12	ND		500		ug/L			02/06/14 20:19	10
1,2-DCA	ND		5.0		ug/L			02/06/14 20:19	10
EDB	ND		5.0		ug/L			02/06/14 20:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*02/06/14 20:19*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*		*02/06/14 20:19*	*10*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/06/14 20:19*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**30**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Acenaphthene	**69**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Acenaphthylene	**1.7**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Fluorene	**65**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Phenanthrene	**130**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Anthracene	**16**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Benzo[a]anthracene	**9.3**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Chrysene	**7.7**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Benzo[a]pyrene	**2.3**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Benzo[b]fluoranthene	**4.1**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Benzo[k]fluoranthene	**1.9**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Benzo[g,h,i]perylene	**0.71**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Indeno[1,2,3-cd]pyrene	**0.72**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1
Fluoranthene	**50**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Pyrene	**32**		1.0		ug/L		02/11/14 08:00	02/12/14 14:17	10
Dibenz(a,h)anthracene	**0.34**		0.10		ug/L		02/11/14 08:00	02/11/14 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*02/11/14 08:00*	*02/11/14 19:35*	*1*
2-Fluorobiphenyl	*54*		*29 - 120*	*02/11/14 08:00*	*02/12/14 14:17*	*10*
Terphenyl-d14	*63*		*45 - 120*	*02/11/14 08:00*	*02/11/14 19:35*	*1*
Terphenyl-d14	*55*		*45 - 120*	*02/11/14 08:00*	*02/12/14 14:17*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.2**		1.0		mg/L			02/10/14 18:43	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]	**8700**		270		ug/L		02/06/14 11:00	02/07/14 00:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/06/14 11:00*	*02/07/14 00:10*	*5*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-2
Date Collected: 02/05/14 15:30
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-9
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/06/14 11:00*	*02/07/14 00:10*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**150**		0.20		mg/L		02/07/14 10:49	02/10/14 19:50	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**14**		0.20		mg/L		02/08/14 12:14	02/10/14 18:08	1
Manganese	**2.3**		0.020		mg/L		02/08/14 12:14	02/10/14 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 22:51	1
Sulfate	ND		1.0		mg/L			02/05/14 22:51	1
Total Dissolved Solids	**3300**		25		mg/L			02/09/14 23:54	1
Sulfide	**3.9**		1.0		mg/L			02/10/14 21:35	1

Client Sample ID: IW-3

Date Collected: 02/05/14 14:15
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-10

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			02/10/14 12:10	1
Benzene	ND		0.50		ug/L			02/10/14 12:10	1
Ethylbenzene	ND		0.50		ug/L			02/10/14 12:10	1
Naphthalene	**15**		1.0		ug/L			02/10/14 12:10	1
Toluene	ND		0.50		ug/L			02/10/14 12:10	1
Xylenes, Total	ND		1.0		ug/L			02/10/14 12:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/10/14 12:10	1
1,2-DCA	ND		0.50		ug/L			02/10/14 12:10	1
EDB	ND		0.50		ug/L			02/10/14 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*02/10/14 12:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*		*02/10/14 12:10*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/10/14 12:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**8.1**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Acenaphthene	**1.6**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Fluorene	**0.97**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Phenanthrene	**0.66**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Anthracene	**0.17**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Benzo[a]anthracene	**0.10**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Fluoranthene	**0.31**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Pyrene	**0.24**		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/12/14 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*29 - 120*	*02/11/14 08:00*	*02/12/14 13:07*	*1*
Terphenyl-d14	*61*		*45 - 120*	*02/11/14 08:00*	*02/12/14 13:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.8**		1.0		mg/L			02/10/14 18:57	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]	**190**		55		ug/L		02/06/14 11:00	02/06/14 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0007*		*0 - 5*	*02/06/14 11:00*	*02/06/14 21:45*	*1*
p-Terphenyl	*78*		*31 - 150*	*02/06/14 11:00*	*02/06/14 21:45*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-3
Date Collected: 02/05/14 14:15
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-10
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**170**		0.20		mg/L		02/07/14 10:49	02/10/14 20:05	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**22**		0.20		mg/L		02/08/14 12:14	02/10/14 18:13	1
Manganese	**2.8**		0.020		mg/L		02/08/14 12:14	02/10/14 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/14 23:26	1
Sulfate	ND		1.0		mg/L			02/05/14 23:26	1
Total Dissolved Solids	**2900**		17		mg/L			02/09/14 23:57	1
Sulfide	**4.6**		1.0		mg/L			02/10/14 21:38	1

Client Sample ID: IW-4
Date Collected: 02/05/14 12:20
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-11
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			02/06/14 21:17	10
Benzene	ND		5.0		ug/L			02/06/14 21:17	10
Ethylbenzene	ND		5.0		ug/L			02/06/14 21:17	10
Naphthalene	ND		10		ug/L			02/06/14 21:17	10
Toluene	ND		5.0		ug/L			02/06/14 21:17	10
Xylenes, Total	ND		10		ug/L			02/06/14 21:17	10
Gasoline Range Organics (GRO) -C5-C12	**600**		500		ug/L			02/06/14 21:17	10
1,2-DCA	ND		5.0		ug/L			02/06/14 21:17	10
EDB	ND		5.0		ug/L			02/06/14 21:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*02/06/14 21:17*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*		*02/06/14 21:17*	*10*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/06/14 21:17*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**4.0**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Acenaphthene	**3.8**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Acenaphthylene	**3.8**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Fluorene	**18**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Phenanthrene	**14**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Anthracene	**2.2**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Benzo[a]anthracene	**1.4**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Chrysene	**1.7**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Benzo[a]pyrene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Benzo[b]fluoranthene	**1.3**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Benzo[k]fluoranthene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Benzo[g,h,i]perylene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Indeno[1,2,3-cd]pyrene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Fluoranthene	**3.1**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Pyrene	**3.6**		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10
Dibenz(a,h)anthracene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*44*		*29 - 120*	*02/11/14 08:00*	*02/12/14 13:31*	*10*
Terphenyl-d14	*24*	*X*	*45 - 120*	*02/11/14 08:00*	*02/12/14 13:31*	*10*

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			02/10/14 19:09	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]	**170000**		2600		ug/L		02/06/14 11:00	02/07/14 00:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/06/14 11:00*	*02/07/14 00:10*	*50*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/06/14 11:00*	*02/07/14 00:10*	*50*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-4
Date Collected: 02/05/14 12:20
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-11
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	89		0.20		mg/L		02/07/14 10:49	02/10/14 20:09	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	3.7		0.20		mg/L		02/08/14 12:14	02/10/14 17:37	1
Manganese	6.0		0.020		mg/L		02/08/14 12:14	02/10/14 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.68		0.23		mg/L			02/06/14 00:00	1
Sulfate	ND		1.0		mg/L			02/06/14 00:00	1
Total Dissolved Solids	1200		10		mg/L			02/09/14 23:59	1
Sulfide	5.8		1.0		mg/L			02/10/14 21:41	1

Client Sample ID: IW-5
Date Collected: 02/05/14 12:05
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-12
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			02/06/14 21:46	1
Benzene	ND		0.50		ug/L			02/06/14 21:46	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 21:46	1
Naphthalene	**3.5**		1.0		ug/L			02/06/14 21:46	1
Toluene	ND		0.50		ug/L			02/06/14 21:46	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 21:46	1
Gasoline Range Organics (GRO) -C5-C12	**770**		50		ug/L			02/06/14 21:46	1
1,2-DCA	ND		0.50		ug/L			02/06/14 21:46	1
EDB	ND		0.50		ug/L			02/06/14 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/06/14 21:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*72 - 130*		*02/06/14 21:46*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/06/14 21:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**10**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Acenaphthene	**4.8**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Acenaphthylene	**5.4**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Fluorene	**35**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Phenanthrene	**39**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Anthracene	**3.4**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Benzo[a]anthracene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Chrysene	**1.2**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Benzo[a]pyrene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Benzo[b]fluoranthene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Benzo[k]fluoranthene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Benzo[g,h,i]perylene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Indeno[1,2,3-cd]pyrene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Fluoranthene	**1.1**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Pyrene	**2.4**		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10
Dibenz(a,h)anthracene	ND		0.95		ug/L		02/11/14 08:00	02/12/14 13:54	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*29 - 120*	*02/11/14 08:00*	*02/12/14 13:54*	*10*
Terphenyl-d14	*46*		*45 - 120*	*02/11/14 08:00*	*02/12/14 13:54*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**6.6**		1.0		mg/L			02/10/14 19:22	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]	**88000**		2400		ug/L		02/06/14 11:00	02/06/14 23:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/06/14 11:00*	*02/06/14 23:22*	*50*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/06/14 11:00*	*02/06/14 23:22*	*50*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-5
Date Collected: 02/05/14 12:05
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-12
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**69**		0.20		mg/L		02/06/14 10:01	02/12/14 18:53	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**10**		0.20		mg/L		02/08/14 12:14	02/10/14 20:38	1
Manganese	**7.1**		0.020		mg/L		02/08/14 12:14	02/10/14 20:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/14 00:34	1
Sulfate	**1.2**		1.0		mg/L			02/06/14 00:34	1
Total Dissolved Solids	**950**		10		mg/L			02/10/14 00:02	1
Sulfide	ND		1.0		mg/L			02/10/14 21:43	1

Client Sample ID: IW-6
Date Collected: 02/05/14 12:55
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-13
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			02/10/14 12:40	1
Benzene	ND		0.50		ug/L			02/10/14 12:40	1
Ethylbenzene	ND		0.50		ug/L			02/10/14 12:40	1
Naphthalene	**1.8**		1.0		ug/L			02/10/14 12:40	1
Toluene	ND		0.50		ug/L			02/10/14 12:40	1
Xylenes, Total	ND		1.0		ug/L			02/10/14 12:40	1
Gasoline Range Organics (GRO) -C5-C12	**110**		50		ug/L			02/10/14 12:40	1
1,2-DCA	ND		0.50		ug/L			02/10/14 12:40	1
EDB	ND		0.50		ug/L			02/10/14 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*67 - 130*		*02/10/14 12:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*		*02/10/14 12:40*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/10/14 12:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.23**		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Acenaphthene	**0.51**		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Acenaphthylene	**0.36**		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Fluorene	**1.9**		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Phenanthrene	**1.5**		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Anthracene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Benzo[a]anthracene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Chrysene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Benzo[a]pyrene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Benzo[b]fluoranthene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Benzo[k]fluoranthene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Benzo[g,h,i]perylene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Indeno[1,2,3-cd]pyrene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Fluoranthene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Pyrene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1
Dibenz(a,h)anthracene	ND		0.097		ug/L		02/11/14 08:00	02/12/14 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*29*		*29 - 120*	*02/11/14 08:00*	*02/12/14 00:59*	*1*
Terphenyl-d14	*27*	*X*	*45 - 120*	*02/11/14 08:00*	*02/12/14 00:59*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.9**		1.0		mg/L			02/10/14 19:36	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]	**2000**		49		ug/L		02/06/14 11:00	02/06/14 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*2*		*0 - 5*	*02/06/14 11:00*	*02/06/14 22:09*	*1*
p-Terphenyl	*99*		*31 - 150*	*02/06/14 11:00*	*02/06/14 22:09*	*1*

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-6
Date Collected: 02/05/14 12:55
Date Received: 02/05/14 18:40

Lab Sample ID: 720-55327-13
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**400**		0.20		mg/L		02/06/14 10:01	02/12/14 18:58	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**52**		0.20		mg/L		02/08/14 12:14	02/10/14 17:55	1
Manganese	**3.4**		0.020		mg/L		02/08/14 12:14	02/10/14 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/14 01:09	1
Sulfate	ND		1.0		mg/L			02/06/14 01:09	1
Total Dissolved Solids	**10000**		71		mg/L			02/10/14 00:04	1
Sulfide	ND		1.0		mg/L			02/10/14 21:46	1

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

Lab Sample ID: MB 720-153054/5
Matrix: Water
Analysis Batch: 153054

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			02/06/14 11:26	1
Benzene	ND		0.50		ug/L			02/06/14 11:26	1
Ethylbenzene	ND		0.50		ug/L			02/06/14 11:26	1
Naphthalene	ND		1.0		ug/L			02/06/14 11:26	1
Toluene	ND		0.50		ug/L			02/06/14 11:26	1
Xylenes, Total	ND		1.0		ug/L			02/06/14 11:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/06/14 11:26	1
1,2-DCA	ND		0.50		ug/L			02/06/14 11:26	1
EDB	ND		0.50		ug/L			02/06/14 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*02/06/14 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*72 - 130*		*02/06/14 11:26*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/06/14 11:26*	*1*

Lab Sample ID: LCS 720-153054/6
Matrix: Water
Analysis Batch: 153054

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	23.8		ug/L		95	62 - 130
Benzene	25.0	21.2		ug/L		85	79 - 130
Ethylbenzene	25.0	22.6		ug/L		91	80 - 120
Naphthalene	25.0	29.2		ug/L		117	70 - 130
Toluene	25.0	21.8		ug/L		87	78 - 120
m-Xylene & p-Xylene	50.0	44.2		ug/L		88	70 - 142
o-Xylene	25.0	24.6		ug/L		99	70 - 130
1,2-DCA	25.0	24.1		ug/L		96	61 - 132
EDB	25.0	25.9		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCS 720-153054/8
Matrix: Water
Analysis Batch: 153054

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	517		ug/L		103	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*

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

Lab Sample ID: LCS 720-153054/8
Matrix: Water
Analysis Batch: 153054

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-153054/7
Matrix: Water
Analysis Batch: 153054

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	23.8		ug/L		95	62 - 130	0	20
Benzene			25.0	21.3		ug/L		85	79 - 130	0	20
Ethylbenzene			25.0	22.6		ug/L		90	80 - 120	0	20
Naphthalene			25.0	29.9		ug/L		119	70 - 130	2	20
Toluene			25.0	21.8		ug/L		87	78 - 120	0	20
m-Xylene & p-Xylene			50.0	43.7		ug/L		87	70 - 142	1	20
o-Xylene			25.0	24.5		ug/L		98	70 - 130	1	20
1,2-DCA			25.0	23.9		ug/L		96	61 - 132	1	20
EDB			25.0	25.7		ug/L		103	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 720-153054/9
Matrix: Water
Analysis Batch: 153054

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	499		ug/L		100	62 - 120	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 720-55327-1 MS
Matrix: Water
Analysis Batch: 153054

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		25.0	21.1		ug/L		84	60 - 138
Benzene	ND		25.0	21.2		ug/L		83	60 - 140
Ethylbenzene	ND		25.0	22.8		ug/L		91	60 - 140
Naphthalene	ND		25.0	27.4		ug/L		106	56 - 140
Toluene	ND		25.0	21.5		ug/L		86	60 - 140
m-Xylene & p-Xylene	ND		50.0	44.6		ug/L		89	60 - 140
o-Xylene	ND		25.0	24.8		ug/L		99	60 - 140
1,2-DCA	ND		25.0	21.9		ug/L		88	60 - 140

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

Lab Sample ID: 720-55327-1 MS
Matrix: Water
Analysis Batch: 153054

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
EDB	ND		25.0	22.7		ug/L		91	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 720-55327-1 MSD
Matrix: Water
Analysis Batch: 153054

Client Sample ID: MW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	20.7		ug/L		83	60 - 138	2	20
Benzene	ND		25.0	21.2		ug/L		83	60 - 140	0	20
Ethylbenzene	ND		25.0	23.2		ug/L		93	60 - 140	1	20
Naphthalene	ND		25.0	29.7		ug/L		115	56 - 140	8	20
Toluene	ND		25.0	21.6		ug/L		86	60 - 140	0	20
m-Xylene & p-Xylene	ND		50.0	45.1		ug/L		90	60 - 140	1	20
o-Xylene	ND		25.0	24.9		ug/L		100	60 - 140	0	20
1,2-DCA	ND		25.0	21.7		ug/L		87	60 - 140	1	20
EDB	ND		25.0	23.0		ug/L		92	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 720-153229/5
Matrix: Water
Analysis Batch: 153229

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			02/10/14 09:41	1
Benzene	ND		0.50		ug/L			02/10/14 09:41	1
Ethylbenzene	ND		0.50		ug/L			02/10/14 09:41	1
Naphthalene	ND		1.0		ug/L			02/10/14 09:41	1
Toluene	ND		0.50		ug/L			02/10/14 09:41	1
Xylenes, Total	ND		1.0		ug/L			02/10/14 09:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/10/14 09:41	1
1,2-DCA	ND		0.50		ug/L			02/10/14 09:41	1
EDB	ND		0.50		ug/L			02/10/14 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*02/10/14 09:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*02/10/14 09:41*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/10/14 09:41*	*1*

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

Lab Sample ID: LCS 720-153229/6
Matrix: Water
Analysis Batch: 153229

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			25.0	29.5		ug/L		118	62 - 130		
Benzene			25.0	24.9		ug/L		100	79 - 130		
Ethylbenzene			25.0	25.0		ug/L		100	80 - 120		
Naphthalene			25.0	29.8		ug/L		119	70 - 130		
Toluene			25.0	25.2		ug/L		101	78 - 120		
m-Xylene & p-Xylene			50.0	49.6		ug/L		99	70 - 142		
o-Xylene			25.0	26.8		ug/L		107	70 - 130		
1,2-DCA			25.0	24.2		ug/L		97	61 - 132		
EDB			25.0	27.5		ug/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 720-153229/8
Matrix: Water
Analysis Batch: 153229

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	490		ug/L		98	62 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-153229/7
Matrix: Water
Analysis Batch: 153229

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	27.9		ug/L		112	62 - 130	5	20
Benzene			25.0	24.8		ug/L		99	79 - 130	0	20
Ethylbenzene			25.0	25.3		ug/L		101	80 - 120	1	20
Naphthalene			25.0	30.3		ug/L		121	70 - 130	2	20
Toluene			25.0	25.8		ug/L		103	78 - 120	2	20
m-Xylene & p-Xylene			50.0	50.8		ug/L		102	70 - 142	2	20
o-Xylene			25.0	27.1		ug/L		108	70 - 130	1	20
1,2-DCA			25.0	23.0		ug/L		92	61 - 132	5	20
EDB			25.0	26.8		ug/L		107	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*89*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: LCSD 720-153229/9
Matrix: Water
Analysis Batch: 153229

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	472		ug/L		94	62 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 720-153295/1-A
Matrix: Water
Analysis Batch: 153328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Acenaphthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Acenaphthylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Fluorene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Phenanthrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Benzo[a]anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Chrysene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Benzo[a]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Fluoranthene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Pyrene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/11/14 08:00	02/11/14 16:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*29 - 120*	*02/11/14 08:00*	*02/11/14 16:06*	*1*
Terphenyl-d14	*83*		*45 - 120*	*02/11/14 08:00*	*02/11/14 16:06*	*1*

Lab Sample ID: LCS 720-153295/2-A
Matrix: Water
Analysis Batch: 153328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.0	5.33		ug/L		53	19 - 120
Acenaphthene	10.0	5.56		ug/L		56	24 - 120
Acenaphthylene	10.0	5.62		ug/L		56	24 - 120
Fluorene	10.0	5.74		ug/L		57	27 - 120
Phenanthrene	10.0	6.33		ug/L		63	31 - 120
Anthracene	10.0	7.28		ug/L		73	44 - 120

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

Lab Sample ID: LCS 720-153295/2-A
Matrix: Water
Analysis Batch: 153328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153295

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[a]anthracene			10.0	8.40		ug/L		84	48 - 120		
Chrysene			10.0	7.84		ug/L		78	47 - 120		
Benzo[a]pyrene			10.0	8.00		ug/L		80	43 - 120		
Benzo[b]fluoranthene			10.0	9.16		ug/L		92	42 - 120		
Benzo[k]fluoranthene			10.0	7.63		ug/L		76	42 - 120		
Benzo[g,h,i]perylene			10.0	6.73		ug/L		67	35 - 120		
Indeno[1,2,3-cd]pyrene			10.0	7.03		ug/L		70	36 - 120		
Fluoranthene			10.0	8.11		ug/L		81	43 - 120		
Pyrene			10.0	7.90		ug/L		79	47 - 120		
Dibenz(a,h)anthracene			10.0	7.08		ug/L		71	33 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*66*		*29 - 120*
Terphenyl-d14	*81*		*45 - 120*

Lab Sample ID: LCSD 720-153295/3-A
Matrix: Water
Analysis Batch: 153328

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 153295

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			10.0	4.47		ug/L		45	19 - 120	17	35
Acenaphthene			10.0	4.55		ug/L		46	24 - 120	20	35
Acenaphthylene			10.0	4.68		ug/L		47	24 - 120	18	35
Fluorene			10.0	4.72		ug/L		47	27 - 120	19	35
Phenanthrene			10.0	5.44		ug/L		54	31 - 120	15	35
Anthracene			10.0	6.61		ug/L		66	44 - 120	10	35
Benzo[a]anthracene			10.0	8.56		ug/L		86	48 - 120	2	35
Chrysene			10.0	7.94		ug/L		79	47 - 120	1	35
Benzo[a]pyrene			10.0	8.21		ug/L		82	43 - 120	3	35
Benzo[b]fluoranthene			10.0	8.85		ug/L		88	42 - 120	3	35
Benzo[k]fluoranthene			10.0	7.89		ug/L		79	42 - 120	3	35
Benzo[g,h,i]perylene			10.0	7.53		ug/L		75	35 - 120	11	35
Indeno[1,2,3-cd]pyrene			10.0	7.73		ug/L		77	36 - 120	9	35
Fluoranthene			10.0	7.84		ug/L		78	43 - 120	3	35
Pyrene			10.0	7.97		ug/L		80	47 - 120	1	35
Dibenz(a,h)anthracene			10.0	7.92		ug/L		79	33 - 120	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*29 - 120*
Terphenyl-d14	*85*		*45 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 440-161144/8
Matrix: Water
Analysis Batch: 161144

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			02/10/14 16:08	1
Methane (TCD)	ND		1.0		mg/L			02/10/14 16:08	1

Lab Sample ID: LCS 440-161144/4
Matrix: Water
Analysis Batch: 161144

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	4.72		mg/L		112	80 - 120

Lab Sample ID: LCS 440-161144/6
Matrix: Water
Analysis Batch: 161144

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	0.0847		mg/L		101	80 - 120

Lab Sample ID: LCSD 440-161144/5
Matrix: Water
Analysis Batch: 161144

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	4.70		mg/L		112	80 - 120	0	20

Lab Sample ID: LCSD 440-161144/7
Matrix: Water
Analysis Batch: 161144

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	0.0901		mg/L		107	80 - 120	6	20

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

Lab Sample ID: MB 720-153072/1-A
Matrix: Water
Analysis Batch: 153041

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 153072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/06/14 11:00	02/07/14 01:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 5*	*02/06/14 11:00*	*02/07/14 01:23*	*1*
p-Terphenyl	*91*		*31 - 150*	*02/06/14 11:00*	*02/07/14 01:23*	*1*

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

Lab Sample ID: LCS 720-153072/2-A
Matrix: Water
Analysis Batch: 153041

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 153072

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	792		ug/L		32	32 - 119		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*75*		*31 - 150*

Lab Sample ID: LCSD 720-153072/3-A
Matrix: Water
Analysis Batch: 153041

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 153072

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	811		ug/L		32	32 - 119	2	35

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

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-153061/1-A
Matrix: Water
Analysis Batch: 153440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20		mg/L		02/06/14 09:59	02/12/14 17:55	1

Lab Sample ID: LCS 720-153061/2-A
Matrix: Water
Analysis Batch: 153440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153061

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Magnesium			10.0	11.4		mg/L		114	80 - 120		

Lab Sample ID: LCSD 720-153061/3-A
Matrix: Water
Analysis Batch: 153440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 153061

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium			10.0	11.4		mg/L		114	80 - 120	0	20

Lab Sample ID: 720-55327-1 MS
Matrix: Water
Analysis Batch: 153440

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 153061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Magnesium	170		10.0	170	4	mg/L		1	75 - 125		

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

Lab Sample ID: 720-55327-1 MSD — **Client Sample ID: MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153440 — **Prep Batch: 153061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	170		10.0	172	4	mg/L		28	75 - 125	2	20

Lab Sample ID: MB 720-153169/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153283 — **Prep Batch: 153169**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20		mg/L		02/07/14 10:49	02/10/14 18:19	1

Lab Sample ID: LCS 720-153169/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153283 — **Prep Batch: 153169**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	10.0	10.6		mg/L		106	80 - 120

Lab Sample ID: LCSD 720-153169/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153283 — **Prep Batch: 153169**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	10.0	10.6		mg/L		106	80 - 120	0	20

Lab Sample ID: 720-55327-3 MS — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153283 — **Prep Batch: 153169**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	220		10.0	215	4	mg/L		-39	75 - 125

Lab Sample ID: 720-55327-3 MSD — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 153283 — **Prep Batch: 153169**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	220		10.0	228	4	mg/L		93	75 - 125	6	20

Lab Sample ID: MB 720-153221/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 153280 — **Prep Batch: 153221**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.20		mg/L		02/08/14 12:14	02/10/14 16:58	1
Manganese	ND		0.020		mg/L		02/08/14 12:14	02/10/14 16:58	1

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

Lab Sample ID: LCS 720-153221/2-A
Matrix: Water
Analysis Batch: 153280

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	8.56		mg/L		86	80 - 120
Manganese	1.00	0.836		mg/L		84	80 - 120

Lab Sample ID: LCSD 720-153221/3-A
Matrix: Water
Analysis Batch: 153280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 153221

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	10.0	8.39		mg/L		84	80 - 120	2	20
Manganese	1.00	0.838		mg/L		84	80 - 120	0	20

Lab Sample ID: 720-55327-2 MS
Matrix: Water
Analysis Batch: 153286

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 153221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	3.2		10.0	11.4		mg/L		83	75 - 125
Manganese	6.1		1.00	6.63	4	mg/L		57	75 - 125

Lab Sample ID: 720-55327-2 MSD
Matrix: Water
Analysis Batch: 153280

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 153221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	3.2		10.0	11.6		mg/L		84	75 - 125	1	20
Manganese	6.1		1.00	6.66	4	mg/L		60	75 - 125	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 720-152988/4
Matrix: Water
Analysis Batch: 152988

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			02/05/14 13:05	1

Lab Sample ID: LCS 720-152988/5
Matrix: Water
Analysis Batch: 152988

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	9.61		mg/L		96	90 - 110

Lab Sample ID: MB 720-152989/4
Matrix: Water
Analysis Batch: 152989

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			02/05/14 13:05	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 720-152989/5
Matrix: Water
Analysis Batch: 152989

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	2.19		mg/L		97	90 - 110

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

Lab Sample ID: MB 500-222598/1
Matrix: Water
Analysis Batch: 222598

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			02/09/14 23:37	1

Lab Sample ID: LCS 500-222598/2
Matrix: Water
Analysis Batch: 222598

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	278		mg/L		111	80 - 120

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-222741/1
Matrix: Water
Analysis Batch: 222741

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			02/10/14 21:15	1

Lab Sample ID: LCS 500-222741/2
Matrix: Water
Analysis Batch: 222741

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.71	3.76		mg/L		101	80 - 120

GC/MS VOA

Analysis Batch: 153054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-1 MS	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-1 MSD	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-2	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-3	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-4	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-5	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-6	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-7	MW-13	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-8	MW-14	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-9	IW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-11	IW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-12	IW-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-153054/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-153054/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-153054/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-153054/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-153054/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 153229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-10	IW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-55327-13	IW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-153229/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-153229/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-153229/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-153229/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-153229/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 153295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	3510C	
720-55327-2	MW-4	Total/NA	Water	3510C	
720-55327-3	MW-8	Total/NA	Water	3510C	
720-55327-4	MW-9	Total/NA	Water	3510C	
720-55327-5	MW-10	Total/NA	Water	3510C	
720-55327-6	MW-11	Total/NA	Water	3510C	
720-55327-7	MW-13	Total/NA	Water	3510C	
720-55327-8	MW-14	Total/NA	Water	3510C	
720-55327-9	IW-2	Total/NA	Water	3510C	
720-55327-10	IW-3	Total/NA	Water	3510C	
720-55327-11	IW-4	Total/NA	Water	3510C	
720-55327-12	IW-5	Total/NA	Water	3510C	
720-55327-13	IW-6	Total/NA	Water	3510C	
LCS 720-153295/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-153295/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-153295/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 153328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	8270C SIM	153295
720-55327-2	MW-4	Total/NA	Water	8270C SIM	153295
720-55327-3	MW-8	Total/NA	Water	8270C SIM	153295
720-55327-4	MW-9	Total/NA	Water	8270C SIM	153295
720-55327-5	MW-10	Total/NA	Water	8270C SIM	153295
720-55327-6	MW-11	Total/NA	Water	8270C SIM	153295
720-55327-7	MW-13	Total/NA	Water	8270C SIM	153295
720-55327-8	MW-14	Total/NA	Water	8270C SIM	153295
720-55327-9	IW-2	Total/NA	Water	8270C SIM	153295
720-55327-13	IW-6	Total/NA	Water	8270C SIM	153295
LCS 720-153295/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	153295
LCSD 720-153295/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	153295
MB 720-153295/1-A	Method Blank	Total/NA	Water	8270C SIM	153295

Analysis Batch: 153397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-9	IW-2	Total/NA	Water	8270C SIM	153295
720-55327-10	IW-3	Total/NA	Water	8270C SIM	153295
720-55327-11	IW-4	Total/NA	Water	8270C SIM	153295
720-55327-12	IW-5	Total/NA	Water	8270C SIM	153295

GC VOA

Analysis Batch: 161144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	RSK-175	
720-55327-2	MW-4	Total/NA	Water	RSK-175	
720-55327-3	MW-8	Total/NA	Water	RSK-175	
720-55327-4	MW-9	Total/NA	Water	RSK-175	
720-55327-5	MW-10	Total/NA	Water	RSK-175	
720-55327-6	MW-11	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 161144 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-7	MW-13	Total/NA	Water	RSK-175	
720-55327-8	MW-14	Total/NA	Water	RSK-175	
720-55327-9	IW-2	Total/NA	Water	RSK-175	
720-55327-10	IW-3	Total/NA	Water	RSK-175	
720-55327-11	IW-4	Total/NA	Water	RSK-175	
720-55327-12	IW-5	Total/NA	Water	RSK-175	
720-55327-13	IW-6	Total/NA	Water	RSK-175	
LCS 440-161144/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 440-161144/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 440-161144/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 440-161144/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 440-161144/8	Method Blank	Total/NA	Water	RSK-175	

GC Semi VOA

Analysis Batch: 153041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Silica Gel Cleanup	Water	8015B	153072
720-55327-2	MW-4	Silica Gel Cleanup	Water	8015B	153072
720-55327-3	MW-8	Silica Gel Cleanup	Water	8015B	153072
720-55327-4	MW-9	Silica Gel Cleanup	Water	8015B	153072
720-55327-5	MW-10	Silica Gel Cleanup	Water	8015B	153072
720-55327-9	IW-2	Silica Gel Cleanup	Water	8015B	153072
720-55327-12	IW-5	Silica Gel Cleanup	Water	8015B	153072
LCS 720-153072/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	153072
LCSD 720-153072/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	153072
MB 720-153072/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	153072

Analysis Batch: 153042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-6	MW-11	Silica Gel Cleanup	Water	8015B	153072
720-55327-7	MW-13	Silica Gel Cleanup	Water	8015B	153072
720-55327-8	MW-14	Silica Gel Cleanup	Water	8015B	153072
720-55327-10	IW-3	Silica Gel Cleanup	Water	8015B	153072
720-55327-11	IW-4	Silica Gel Cleanup	Water	8015B	153072
720-55327-13	IW-6	Silica Gel Cleanup	Water	8015B	153072

Prep Batch: 153072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-55327-2	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-55327-3	MW-8	Silica Gel Cleanup	Water	3510C SGC	
720-55327-4	MW-9	Silica Gel Cleanup	Water	3510C SGC	
720-55327-5	MW-10	Silica Gel Cleanup	Water	3510C SGC	
720-55327-6	MW-11	Silica Gel Cleanup	Water	3510C SGC	
720-55327-7	MW-13	Silica Gel Cleanup	Water	3510C SGC	
720-55327-8	MW-14	Silica Gel Cleanup	Water	3510C SGC	
720-55327-9	IW-2	Silica Gel Cleanup	Water	3510C SGC	
720-55327-10	IW-3	Silica Gel Cleanup	Water	3510C SGC	
720-55327-11	IW-4	Silica Gel Cleanup	Water	3510C SGC	

GC Semi VOA (Continued)

Prep Batch: 153072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-12	IW-5	Silica Gel Cleanup	Water	3510C SGC	
720-55327-13	IW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-153072/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-153072/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-153072/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Metals

Prep Batch: 153061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	3010A	
720-55327-1 MS	MW-2	Total/NA	Water	3010A	
720-55327-1 MSD	MW-2	Total/NA	Water	3010A	
720-55327-2	MW-4	Total/NA	Water	3010A	
720-55327-5	MW-10	Total/NA	Water	3010A	
720-55327-7	MW-13	Total/NA	Water	3010A	
720-55327-12	IW-5	Total/NA	Water	3010A	
720-55327-13	IW-6	Total/NA	Water	3010A	
LCS 720-153061/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 720-153061/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-153061/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 153169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-3	MW-8	Total/NA	Water	3010A	
720-55327-3 MS	MW-8	Total/NA	Water	3010A	
720-55327-3 MSD	MW-8	Total/NA	Water	3010A	
720-55327-9	IW-2	Total/NA	Water	3010A	
720-55327-10	IW-3	Total/NA	Water	3010A	
720-55327-11	IW-4	Total/NA	Water	3010A	
LCS 720-153169/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 720-153169/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-153169/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 153221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Dissolved	Water	3005A	
720-55327-2	MW-4	Dissolved	Water	3005A	
720-55327-2 MS	MW-4	Dissolved	Water	3005A	
720-55327-2 MSD	MW-4	Dissolved	Water	3005A	
720-55327-3	MW-8	Dissolved	Water	3005A	
720-55327-5	MW-10	Dissolved	Water	3005A	
720-55327-7	MW-13	Dissolved	Water	3005A	
720-55327-9	IW-2	Dissolved	Water	3005A	
720-55327-10	IW-3	Dissolved	Water	3005A	
720-55327-11	IW-4	Dissolved	Water	3005A	
720-55327-12	IW-5	Dissolved	Water	3005A	
720-55327-13	IW-6	Dissolved	Water	3005A	
LCS 720-153221/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 720-153221/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 153221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-153221/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 153280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-2	MW-4	Dissolved	Water	6010B	153221
720-55327-2 MSD	MW-4	Dissolved	Water	6010B	153221
720-55327-3	MW-8	Dissolved	Water	6010B	153221
720-55327-5	MW-10	Dissolved	Water	6010B	153221
720-55327-7	MW-13	Dissolved	Water	6010B	153221
720-55327-9	IW-2	Dissolved	Water	6010B	153221
720-55327-10	IW-3	Dissolved	Water	6010B	153221
720-55327-11	IW-4	Dissolved	Water	6010B	153221
720-55327-13	IW-6	Dissolved	Water	6010B	153221
LCS 720-153221/2-A	Lab Control Sample	Total Recoverable	Water	6010B	153221
LCSD 720-153221/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	153221
MB 720-153221/1-A	Method Blank	Total Recoverable	Water	6010B	153221

Analysis Batch: 153283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-3	MW-8	Total/NA	Water	6010B	153169
720-55327-3 MS	MW-8	Total/NA	Water	6010B	153169
720-55327-3 MSD	MW-8	Total/NA	Water	6010B	153169
720-55327-9	IW-2	Total/NA	Water	6010B	153169
720-55327-10	IW-3	Total/NA	Water	6010B	153169
720-55327-11	IW-4	Total/NA	Water	6010B	153169
LCS 720-153169/2-A	Lab Control Sample	Total/NA	Water	6010B	153169
LCSD 720-153169/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	153169
MB 720-153169/1-A	Method Blank	Total/NA	Water	6010B	153169

Analysis Batch: 153286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Dissolved	Water	6010B	153221
720-55327-2 MS	MW-4	Dissolved	Water	6010B	153221
720-55327-12	IW-5	Dissolved	Water	6010B	153221

Analysis Batch: 153440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	6010B	153061
720-55327-1 MS	MW-2	Total/NA	Water	6010B	153061
720-55327-1 MSD	MW-2	Total/NA	Water	6010B	153061
720-55327-2	MW-4	Total/NA	Water	6010B	153061
720-55327-5	MW-10	Total/NA	Water	6010B	153061
720-55327-7	MW-13	Total/NA	Water	6010B	153061
720-55327-12	IW-5	Total/NA	Water	6010B	153061
720-55327-13	IW-6	Total/NA	Water	6010B	153061
LCS 720-153061/2-A	Lab Control Sample	Total/NA	Water	6010B	153061
LCSD 720-153061/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	153061
MB 720-153061/1-A	Method Blank	Total/NA	Water	6010B	153061

General Chemistry

Analysis Batch: 152988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	300.0	
720-55327-2	MW-4	Total/NA	Water	300.0	
720-55327-3	MW-8	Total/NA	Water	300.0	
720-55327-5	MW-10	Total/NA	Water	300.0	
720-55327-7	MW-13	Total/NA	Water	300.0	
720-55327-9	IW-2	Total/NA	Water	300.0	
720-55327-10	IW-3	Total/NA	Water	300.0	
720-55327-11	IW-4	Total/NA	Water	300.0	
720-55327-12	IW-5	Total/NA	Water	300.0	
720-55327-13	IW-6	Total/NA	Water	300.0	
LCS 720-152988/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-152988/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 152989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	300.0	
720-55327-2	MW-4	Total/NA	Water	300.0	
720-55327-3	MW-8	Total/NA	Water	300.0	
720-55327-5	MW-10	Total/NA	Water	300.0	
720-55327-7	MW-13	Total/NA	Water	300.0	
720-55327-9	IW-2	Total/NA	Water	300.0	
720-55327-10	IW-3	Total/NA	Water	300.0	
720-55327-11	IW-4	Total/NA	Water	300.0	
720-55327-12	IW-5	Total/NA	Water	300.0	
720-55327-13	IW-6	Total/NA	Water	300.0	
LCS 720-152989/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-152989/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 222598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	SM 2540C	
720-55327-2	MW-4	Total/NA	Water	SM 2540C	
720-55327-3	MW-8	Total/NA	Water	SM 2540C	
720-55327-5	MW-10	Total/NA	Water	SM 2540C	
720-55327-7	MW-13	Total/NA	Water	SM 2540C	
720-55327-9	IW-2	Total/NA	Water	SM 2540C	
720-55327-10	IW-3	Total/NA	Water	SM 2540C	
720-55327-11	IW-4	Total/NA	Water	SM 2540C	
720-55327-12	IW-5	Total/NA	Water	SM 2540C	
720-55327-13	IW-6	Total/NA	Water	SM 2540C	
LCS 500-222598/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-222598/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 222741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-1	MW-2	Total/NA	Water	SM 4500 S2 F	
720-55327-2	MW-4	Total/NA	Water	SM 4500 S2 F	
720-55327-3	MW-8	Total/NA	Water	SM 4500 S2 F	
720-55327-5	MW-10	Total/NA	Water	SM 4500 S2 F	
720-55327-7	MW-13	Total/NA	Water	SM 4500 S2 F	
720-55327-9	IW-2	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 222741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-55327-10	IW-3	Total/NA	Water	SM 4500 S2 F	
720-55327-11	IW-4	Total/NA	Water	SM 4500 S2 F	
720-55327-12	IW-5	Total/NA	Water	SM 4500 S2 F	
720-55327-13	IW-6	Total/NA	Water	SM 4500 S2 F	
LCS 500-222741/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 500-222741/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Client Sample ID: MW-2

Lab Sample ID: 720-55327-1

Date Collected: 02/05/14 14:05

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 14:57	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 16:29	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 16:25	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	153041	02/06/14 22:57	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153286	02/10/14 20:43	SLK	TAL PLS
Total/NA	Prep	3010A			153061	02/06/14 09:59	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:19	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:42	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:22		
					(End)	02/10/14 21:25		
Total/NA	Analysis	300.0		1	152988	02/05/14 19:24	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 19:24	MJK	TAL PLS

Client Sample ID: MW-4

Lab Sample ID: 720-55327-2

Date Collected: 02/05/14 11:55

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 16:54	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		5	153328	02/11/14 23:50	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 16:38	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		10	153041	02/06/14 22:33	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 17:19	SLK	TAL PLS
Total/NA	Prep	3010A			153061	02/06/14 09:59	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:24	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:44	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:25		
					(End)	02/10/14 21:28		
Total/NA	Analysis	300.0		1	152988	02/05/14 19:59	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 19:59	MJK	TAL PLS

Client Sample ID: MW-8

Lab Sample ID: 720-55327-3

Date Collected: 02/05/14 13:50

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 17:23	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 17:16	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 16:51	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153041	02/06/14 20:32	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 18:04	SLK	TAL PLS
Total/NA	Prep	3010A			153169	02/07/14 10:49	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153283	02/10/14 19:45	SLK	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:47	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:28		
					(End)	02/10/14 21:30		
Total/NA	Analysis	300.0		1	152988	02/05/14 20:34	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 20:34	MJK	TAL PLS

Client Sample ID: MW-9

Lab Sample ID: 720-55327-4

Date Collected: 02/05/14 14:50

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 17:52	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 17:39	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 17:06	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153041	02/06/14 21:20	DCH	TAL PLS

Client Sample ID: MW-10

Lab Sample ID: 720-55327-5

Date Collected: 02/05/14 10:30

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 18:22	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 18:02	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 17:19	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153041	02/06/14 20:56	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 17:28	SLK	TAL PLS

Client Sample ID: MW-10

Lab Sample ID: 720-55327-5

Date Collected: 02/05/14 10:30

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			153061	02/06/14 09:59	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:29	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:49	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:30		
					(End)	02/10/14 21:33		
Total/NA	Analysis	300.0		10	152988	02/05/14 21:25	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 21:08	MJK	TAL PLS

Client Sample ID: MW-11

Lab Sample ID: 720-55327-6

Date Collected: 02/05/14 14:30

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 18:51	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 18:26	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 17:31	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153042	02/06/14 20:32	JL	TAL PLS

Client Sample ID: MW-13

Lab Sample ID: 720-55327-7

Date Collected: 02/05/14 14:50

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 19:21	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 18:49	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 17:44	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153042	02/06/14 21:20	JL	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 17:33	SLK	TAL PLS
Total/NA	Prep	3010A			153061	02/06/14 10:01	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:34	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:52	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:33		
					(End)	02/10/14 21:35		
Total/NA	Analysis	300.0		1	152988	02/05/14 21:43	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 21:43	MJK	TAL PLS

Client Sample ID: MW-14

Lab Sample ID: 720-55327-8

Date Collected: 02/05/14 13:20

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 19:50	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 19:12	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 17:58	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153042	02/06/14 20:56	JL	TAL PLS

Client Sample ID: IW-2

Lab Sample ID: 720-55327-9

Date Collected: 02/05/14 15:30

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	153054	02/06/14 20:19	ASC	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/11/14 19:35	MQL	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		10	153397	02/12/14 14:17	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 18:43	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	153041	02/07/14 00:10	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 18:08	SLK	TAL PLS
Total/NA	Prep	3010A			153169	02/07/14 10:49	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153283	02/10/14 19:50	SLK	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:54	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:35		
					(End)	02/10/14 21:38		
Total/NA	Analysis	300.0		1	152988	02/05/14 22:51	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 22:51	MJK	TAL PLS

Client Sample ID: IW-3

Lab Sample ID: 720-55327-10

Date Collected: 02/05/14 14:15

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153229	02/10/14 12:10	PDR	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153397	02/12/14 13:07	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 18:57	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153042	02/06/14 21:45	JL	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS

Lab Chronicle

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

TestAmerica Job ID: 720-55327-1

Client Sample ID: IW-3

Lab Sample ID: 720-55327-10

Date Collected: 02/05/14 14:15

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010B		1	153280	02/10/14 18:13	SLK	TAL PLS
Total/NA	Prep	3010A			153169	02/07/14 10:49	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153283	02/10/14 20:05	SLK	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:57	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:38		
					(End)	02/10/14 21:41		
Total/NA	Analysis	300.0		1	152988	02/05/14 23:26	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/05/14 23:26	MJK	TAL PLS

Client Sample ID: IW-4

Lab Sample ID: 720-55327-11

Date Collected: 02/05/14 12:20

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		10	153054	02/06/14 21:17	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		10	153397	02/12/14 13:31	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 19:09	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		50	153042	02/07/14 00:10	JL	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 17:37	SLK	TAL PLS
Total/NA	Prep	3010A			153169	02/07/14 10:49	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153283	02/10/14 20:09	SLK	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/09/14 23:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:41		
					(End)	02/10/14 21:43		
Total/NA	Analysis	300.0		1	152988	02/06/14 00:00	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/06/14 00:00	MJK	TAL PLS

Client Sample ID: IW-5

Lab Sample ID: 720-55327-12

Date Collected: 02/05/14 12:05

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153054	02/06/14 21:46	ASC	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		10	153397	02/12/14 13:54	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 19:22	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS

Client Sample ID: IW-5

Lab Sample ID: 720-55327-12

Date Collected: 02/05/14 12:05

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Analysis	8015B		50	153041	02/06/14 23:22	DCH	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153286	02/10/14 20:38	SLK	TAL PLS
Total/NA	Prep	3010A			153061	02/06/14 10:01	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:53	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/10/14 00:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:43		
					(End)	02/10/14 21:46		
Total/NA	Analysis	300.0		1	152988	02/06/14 00:34	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/06/14 00:34	MJK	TAL PLS

Client Sample ID: IW-6

Lab Sample ID: 720-55327-13

Date Collected: 02/05/14 12:55

Matrix: Water

Date Received: 02/05/14 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	153229	02/10/14 12:40	PDR	TAL PLS
Total/NA	Prep	3510C			153295	02/11/14 08:00	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	153328	02/12/14 00:59	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	161144	02/10/14 19:36	SC	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			153072	02/06/14 11:00	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	153042	02/06/14 22:09	JL	TAL PLS
Dissolved	Prep	3005A			153221	02/08/14 12:14	ASB	TAL PLS
Dissolved	Analysis	6010B		1	153280	02/10/14 17:55	SLK	TAL PLS
Total/NA	Prep	3010A			153061	02/06/14 10:01	ECT	TAL PLS
Total/NA	Analysis	6010B		1	153440	02/12/14 18:58	CAM	TAL PLS
Total/NA	Analysis	SM 2540C		1	222598	02/10/14 00:04	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	222741		CLB	TAL CHI
					(Start)	02/10/14 21:46		
					(End)	02/10/14 21:48		
Total/NA	Analysis	300.0		1	152988	02/06/14 01:09	MJK	TAL PLS
Total/NA	Analysis	300.0		1	152989	02/06/14 01:09	MJK	TAL PLS

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: 720-55327-1

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	04-30-14
California	NELAP	9	01132CA	04-30-14 *
Georgia	State Program	4	N/A	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14 *
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-14
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-14
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-14
South Carolina	State Program	4	77001	04-30-14
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-14
Wyoming	State Program	8	8TMS-Q	04-30-14

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

* Expired certification is currently pending renewal and is considered valid.

Method Summary

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

TestAmerica Job ID: 720-55327-1

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: 720-55327-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-55327-1	MW-2	Water	02/05/14 14:05	02/05/14 18:40
720-55327-2	MW-4	Water	02/05/14 11:55	02/05/14 18:40
720-55327-3	MW-8	Water	02/05/14 13:50	02/05/14 18:40
720-55327-4	MW-9	Water	02/05/14 14:50	02/05/14 18:40
720-55327-5	MW-10	Water	02/05/14 10:30	02/05/14 18:40
720-55327-6	MW-11	Water	02/05/14 14:30	02/05/14 18:40
720-55327-7	MW-13	Water	02/05/14 14:50	02/05/14 18:40
720-55327-8	MW-14	Water	02/05/14 13:20	02/05/14 18:40
720-55327-9	IW-2	Water	02/05/14 15:30	02/05/14 18:40
720-55327-10	IW-3	Water	02/05/14 14:15	02/05/14 18:40
720-55327-11	IW-4	Water	02/05/14 12:20	02/05/14 18:40
720-55327-12	IW-5	Water	02/05/14 12:05	02/05/14 18:40
720-55327-13	IW-6	Water	02/05/14 12:55	02/05/14 18:40

P 1/2

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 140205-MW1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: TA - SF

DHS #

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

151636

SPECIAL INSTRUCTIONS 720-55327

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		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 #
MW-2	2/5/14	1405	W	13	mixed	X	X	X	X	X	X	X	X				1
MW-4		1155		13		X	X	X	X	X	X	X	X				2
MW-8		1350		13		X	X	X	X	X	X	X	X				3
MW-9		1450		9		X	X	X					X				4
MW-10		1030		13		X	X	X	X	X	X	X	X				5
MW-11		1430		8		X	X	X					X				6
MW-13		1450		13		X	X	X	X	X	X	X	X				7
MW-14		1320		8		X	X	X					X				8
IW-2		1530		13		X	X	X	X	X	X	X	X				9
IW-3		1415		13		X	X	X	X	X	X	X	X				10

SAMPLING COMPLETED	DATE	TIME
	2/5/14	1530

SAMPLING PERFORMED BY: WILLIAM WOLF / DANIEL DURAN

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	2/5/14	1712		2/5/14	1712
	2-5-14	1840		2/5/14	1840

SHIPPED V

DATE SENT	TIME SENT	COOLER #

3.5°C / 4.1°C / 2.6°C / 5.3°C / 5.0°C / 2.6°C

720-55327 Chain of Custody

2/13/2014

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 140205-MW1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: TA - SF

DHS #

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

151636

SPECIAL INSTRUCTIONS 720-55327

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-Go, 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-4	2/5/14	1220	W	13	mixed		X	X	X	X	X	X	X	X				11
MW-5	"	1205	"	13	"		X	X	X	X	X	X	X	X				12
MW-6	"	1255	"	13	"		X	X	X	X	X	X	X	X				13

SAMPLING COMPLETED: DATE 2/5/14 TIME

SAMPLING PERFORMED BY: WILLIAM WONG / DANIEL ALLEN

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	2/5/14	1712		2/5/14	1712
	2-5-14	1840		2/5/14	1840

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

2/13/2014

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-55327-1

Login Number: 55327

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.	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.	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: 720-55327-1

Login Number: 55327
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago
List Creation: 02/07/14 11:38 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: 720-55327-1

Login Number: 55327
List Number: 1
Creator: Chy, Jonathan

List Source: TestAmerica Irvine
List Creation: 02/07/14 01:46 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	5816 9346 1758
Cooler Temperature is acceptable.	True	2.8/1.6 3.3/2.1 IR-63
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	