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By Alameda County Environmental Health 1:30 pm, Jan 08, 2016

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

Subject:
First Semiannual 2015 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 First Semiannual 2015 Groundwater Monitoring Report for the above-referenced site. The report, which was prepared for United Parcel Service by ARCADIS U.S., Inc., presents the results of the semiannual groundwater monitoring event that was performed at the site on February 5, 2015.

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

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

Sincerely,

United Parcel Service

Paul Harper
Remediation and Assessment Manager

Enclosure

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Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

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First Semiannual 2015 Groundwater Monitoring Report
UPS Oakland Hub
8400 Pardee Drive, Oakland, California 94621
Global ID #T0600100939
State ID #583
USEPA ID #CAD 09707509

ENVIRONMENT

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 First Semiannual 2015 Groundwater Monitoring Report, which documents the groundwater monitoring event performed on February 5, 2015 at the UPS Oakland Hub located at 8400 Pardee Drive in Oakland, Alameda County, California (site). A Site Location Map, Facility Layout Map, and Site Map are included as **Figures 1**, **2**, and **3**, respectively.

Background

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

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

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

A detailed site history has been provided in previous reports.

In 2015, semiannual groundwater monitoring continued as outlined in the Corrective Action Plan (ARCADIS 2011).

2015 Groundwater Monitoring and Laboratory Analysis

During the first semiannual groundwater monitoring event conducted on February 5, 2015, depth to free product (DTP), if present, and depth to water (DTW) were measured in the monitoring and injection wells. Groundwater samples were collected for laboratory analysis from monitoring wells MW-3, MW-4, MW-8, MW-9, MW-10, MW-11, MW-13, and MW-14 and injection wells IW-3, IW-4, IW-5, and IW-6. Groundwater samples were not collected from monitoring wells MW-2 and MW-12, observation well OW-1, and injection wells IW-1 and IW-2 due to the presence of free product.

During purging of the wells, groundwater parameters (pH, temperature, turbidity, and conductivity) were monitored to evaluate stabilization. Samples were collected after three casing volumes were removed or after the well dewatered and was allowed to recharge for at least 2 hours or to at least 80 percent of the initial casing volume (**Attachment 1**).

Groundwater samples collected during the February 5, 2015 sampling event were analyzed for the following constituents of concern:

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

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

Due to potential for methane accumulation at the site, methane concentrations were monitored in accordance with ARCADIS' Expanded Work Plan for Free Product Delineation (Work Plan), dated July 21, 2015.

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

Gauging Data and Free Product Recovery

The DTP, if present, and the DTW in each well were gauged on February 5, 2015, prior to purging and groundwater sample collection. Groundwater elevations during the February 2015 monitoring event ranged from 1.45 ft amsl in monitoring well MW-10 to 6.00 ft amsl in monitoring well MW-14.

Table 1 presents historical groundwater gauging and elevation data. A groundwater contour map was prepared using the February 5, 2015 groundwater elevation data and is presented as **Figure 4**. The direction of groundwater flow was generally to the southeast during the February 5, 2015 monitoring event, which is consistent with historical groundwater flow fluctuations at the site.

SOS® Passive Skimmers were installed in observation well OW-1 and monitoring wells MW-2 and MW-3 in April 2011. **Table 1** presents the monthly skimmer free product recovery data collected from June 2011 to February 2015, and includes historical records of free product thickness and volume recovered since 1990. The skimmer is operating effectively in wells MW-2 and OW-1, and free product has been recovered on a consistent basis.

During the February 5, 2015 monitoring event, free product was observed in and removed from two monitoring wells, two injection wells, and one observation well using bailers and passive skimmers. The following free product thicknesses and volumes removed were measured for the wells during this event:

- A free product thickness of 0.01 feet was measured at monitoring well MW-2, with 25 milliliters (mL) removed.

- A free product thickness of 0.11 feet was measured at monitoring well MW-12, with 66 mL removed.

- A free product thickness of 0.07 feet was measured at observation well OW-1, with 60 mL removed.

- A free product thickness of 0.32 feet was measured at injection well IW-1, with 844 mL removed.

- A free product thickness of 0.01 feet was measured at injection well IW-2, with 6 mL removed.

As of February 5, 2015, approximately 9.64 gallons of free product had been removed from the site. Approximately 2.05 gallons were removed prior to the installation of the skimmers, 4.34 gallons have been removed since the skimmers were installed, and an additional 3.30 gallons have been removed from the wells that do not contain skimmers. **Attachment 2** presents the specifications for the SOS® Passive Skimmers.

Groundwater Data

The laboratory analytical results from the February 5, 2015 groundwater monitoring event are as follows:

- BTEX, MTBE, 1,2-DCA, and EDB were not detected above the laboratory reporting limits in the sampled wells.

- TPH-GRO was detected above the California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region environmental screening level (ESL) for drinking water of 100 micrograms per liter (µg/L) in monitoring well MW-3 (140 µg/L) and injection well IW-4 (340 µg/L). TPH-GRO also exceeded the non-drinking water RWQCB ESL of 500 µg/L in injection well IW-5 (530 µg/L).

- TPH-DRO was detected above the RWQCB ESL for drinking water of 100 µg/L in monitoring wells MW-8 (170 µg/L), MW-11 (360 µg/L), and MW-13 (130 µg/L). TPH-DRO also exceeded the non-drinking water RWQCB ESL of 640 µg/L in monitoring wells MW-3 (9,500 µg/L) and MW-4 (970 µg/L) and injection wells IW-4 (55,000 µg/L), IW-5 (98,000 µg/L), and IW-6 (5,000 µg/L).

- Naphthalene was detected above the RWQCB ESL for drinking water of 6.1 µg/L in monitoring well MW-8 (9.1 µg/L). The exceedance was detected using USEPA

Method 8270 analysis; the USEPA Method 8260 result also exceeded the RWQCB ESL for drinking water. Naphthalene was not detected at concentrations exceeding the RWQCB ESL for drinking water in the remaining wells.

Table 2 presents current and historical groundwater analytical data, and **Figure 5** presents groundwater data for the February 5, 2015 sampling event. **Attachment 3** provides the laboratory analytical results and chain-of-custody documentation for the February 5, 2015 sampling event.

Biogeochemical Indicator Parameter Data

Organic compounds in groundwater can serve as sources of carbon and/or energy (substrate) for naturally occurring bacteria, and biodegradation of organic compounds can occur by both aerobic and anaerobic microbial processes. Degradation of organic compounds alters the geochemical conditions in the aquifer that can be correlated qualitatively with microbial processes (USEPA 2004). Bacteria obtain energy for cell production and maintenance by facilitating reduction-oxidation (redox) reactions involving the transfer of electrons from electron donors (i.e., the target substrate or organic constituent) to available electron acceptors. In aerobic environments, oxygen serves as the electron acceptor. Dissolved oxygen (DO) is the favored electron acceptor used by microorganisms during biodegradation of many forms of organic carbon. Following the depletion of DO, alternative electron acceptors (i.e., nitrate, iron, manganese, sulfate, and carbon dioxide) are used in the continued oxidation of petroleum hydrocarbons. Therefore, low DO concentrations suggest anaerobic degradation is prevalent. Under anaerobic conditions, other inorganic compounds act as electron acceptors. The anaerobic oxidation of petroleum hydrocarbons under various dominant electron-accepting processes in the following order of preference is well founded in the literature (Finneran and Lovley 2001; Aronson and Howard 1997; Beller et al. 1992):

- nitrate (nitrate reduction)
- manganese (manganese [IV] reduction)
- ferric iron (ferric iron reduction)
- sulfate (sulfate reduction)
- carbon dioxide (methanogenesis)

Anaerobic processes generally occur at slower kinetic rates than those observed with aerobic degradation in the presence of oxygen. However, the abundance of the native electron acceptors mentioned above allows for effective hydrocarbon degradation and can be effective for addressing dissolved petroleum hydrocarbon plumes.

DO concentrations were not measured during the February 5, 2015 groundwater monitoring event. However, the historical DO concentrations reported in **Table 2** are typically less than 1 milligram per liter (mg/L), indicating that anaerobic conditions have been prevalent across the site. Laboratory analytical results from the February 5, 2015 groundwater monitoring event for the biogeochemical indicator parameters are as follows:

- Nitrate is used by denitrifying microorganisms under anaerobic conditions as an electron acceptor to oxidize organic carbon (nitrate reduction). During this process, nitrate (NO_3^-) is reduced to nitrite (NO_2^-), which can be further reduced to molecular nitrogen (N_2). Nitrate as nitrogen in the sampled wells was below the laboratory reporting limit. Groundwater at the site has been analyzed for nitrate since August 2012, and except for injection well IW-4 (680 µg/L), during the February 2014 event, nitrate concentrations have been less than the laboratory reporting limit for all sampled wells. The absence of any detectable nitrate suggests nitrate reduction is occurring across the site.

- Manganese (Mn) reduction occurs under anaerobic conditions in which bacteria use the Mn (IV) ion as an electron acceptor. During manganese reduction, the insoluble Mn (IV) ion is reduced to the soluble Mn (II) form, resulting in increased concentrations of dissolved manganese. However, if dissolved manganese is not analyzed, increasing total manganese concentrations may also indicate ongoing manganese reduction. Total manganese concentrations ranged between 510 µg/L in MW-11 and 7,700 µg/L in MW-4. Increasing total manganese concentrations in most of the wells suggest manganese reduction is prevalent.

- Iron reduction is an anaerobic redox reaction in which bacteria use ferric iron, Fe(III), as an electron acceptor to facilitate biodegradation of organic compounds following the order of preference. When ferric iron is used as an electron acceptor, it is reduced to soluble ferrous iron, Fe(II), resulting in increased concentrations of dissolved iron. Total iron concentrations ranged from 4,400 µg/L in monitoring well MW-8 to 65,000 µg/L in injection well IW-6. Groundwater at the site has been analyzed for iron since March 2012, and historically, concentrations have ranged from approximately1,000 µg/L to approximately 52,000 µg/L. Increasing trends in

total iron concentrations in each well indicate that iron reduction is occurring at the site.

- Sulfate reduction is an anaerobic redox reaction in which sulfate is used as an electron acceptor to oxidize organic carbon. When sulfate is used as an electron acceptor, it is reduced to sulfide. Sulfate reduction results in decreased sulfate concentrations and increasing sulfide concentrations relative to background, which indicates a strongly reducing groundwater environment. Sulfate concentrations ranged from 1,400 µg/L in monitoring well MW-4 to 82,000 µg/L in monitoring well MW-10. Similar to nitrate, total manganese, and iron, the presence of sulfate suggests availability of electron acceptors to facilitate anaerobic oxidation of petroleum hydrocarbons. 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. However, the detection of sulfate concentrations less than laboratory reporting limits at numerous locations indicates that most of the available sulfate has been reduced to sulfide.

  Sulfide concentrations in wells MW-3, MW-4, MW-8, MW-9, MW-10, MW-13, MW-14, IW-4, IW-5, and IW-6 were less than the laboratory reporting limit. Sulfide is highly reactive and forms insoluble compounds 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 because the metal sulfides precipitate out and are no longer present in dissolved form. Sulfide concentrations ranged from 1,200 µg/L in monitoring well MW-11 to 1,500 µg/L in injection well IW-3. Because sulfide is produced during anaerobic reduction of sulfate and oxidation of petroleum hydrocarbons, the detection of concentrations of sulfide above 1,000 µg/L provides strong evidence of naturally occurring anaerobic reduction.

- Methanogenesis is an anaerobic redox reaction in which bacteria use carbon dioxide as an electron acceptor in the biodegradation of organic compounds, producing methane as a byproduct. The presence of methane indicates a highly reducing groundwater environment. Dissolved methane concentrations ranged from 2,500 µg/L in monitoring well MW-11 to 7,900 µg/L in monitoring well MW-13. These concentrations are similar to the 2012, 2013, and 2014 results, which are the only other times methane has been analyzed. The solubility of methane in water at ambient temperature is approximately 20,000 to 25,000 µg/L, and methane concentrations above 1,000 µg/L in groundwater are generally indicative of anaerobic processes. As indicated in **Table 2**, elevated concentrations of methane (above 1,000 µg/L) were detected at the site. However, not all of the wells with detected methane concentrations have the same elevated petroleum

hydrocarbon concentrations. For example, methane concentrations observed during the February 2015 event at monitoring wells MW-8, MW-9, MW-10, and MW-14 ranged from 2,900 to 4,100 µg/L, and these wells, in general, represent some of the lowest TPH-GRO and TPH-DRO concentrations on site. The presence of methane in such high concentrations indicates that biodegradation and methanogenesis is taking place in a strongly reductive environment across the site.

- TDS concentrations ranged from 770 mg/L in monitoring well MW-3 to 9,100 mg/L in monitoring well MW-9. RWQCB generally limits drinking water sources to a maximum of 3,000 mg/L of TDS to be protective. TDS concentrations were above the ESL at three wells: MW-9 (9,100 mg/L), MW-10 (3,800 mg/L), and IW-6 (6,100 mg/L). However, groundwater at the site is not a drinking water source; therefore, TDS concentrations above the drinking water ESL are not a concern for this site.

- The pH ranged from 6.52 standard units (SU) to 7.57 SU, which is an optimal condition for microbes to thrive and continue degrading petroleum hydrocarbons.

Historically low DO and nitrate concentrations, coupled with high total iron, manganese, sulfide, and methane concentrations, indicate that anaerobic reduction is prevalent across the site under strongly reducing conditions. Circum-neutral pH observed in the groundwater also suggests conditions are ideal for microbes to continue the natural attenuation process at this site.

Summary

- Groundwater elevations during the February 5, 2015 monitoring event ranged from 1.45 ft amsl in monitoring well MW-10 to 6.00 ft amsl in monitoring well MW-14.

- Groundwater elevations indicated that the apparent groundwater flow direction was generally to the southeast on February 5, 2015, which is consistent with historical groundwater flow.

- Free product was observed in monitoring wells MW-2 and MW-12, observation well OW-1, and injection wells IW-1 and IW-2 during the February 5, 2015 monitoring event. Free product thicknesses ranged from 0.01 feet in wells MW-2 and IW-2 to 0.32 feet in injection well IW-1. A total of 1,001 mL of free product was recovered, ranging from 6 mL at injection well IW-2 to 844 mL at injection well IW-1.

- BTEX, MTBE, 1,2-DCA, and EDB were not detected above the laboratory reporting limits in the sampled wells during the February 5, 2015 monitoring event.

- TPH-GRO was detected above the RWQCB ESL for drinking water in monitoring well MW-3 and in injection wells IW-4 and IW-5. TPH-GRO also exceeded the non-drinking water RWQCB ESL in injection well IW-5.

- TPH-DRO was detected above the RWQCB ESL for drinking water in monitoring wells MW-3, MW-4, MW-8, MW-11, and MW-13 and injection wells IW-4, IW-5, and IW-6. TPH-DRO also exceeded the non-drinking water RWQCB ESL in monitoring wells MW-3 and MW-4 and injection wells IW-4, IW-5, and IW-6.

- Naphthalene was detected above the RWQCB ESL for drinking water in monitoring well MW-8.

Recommendations

ARCADIS will continue semiannual groundwater monitoring, but requests that BTEX, MTBE, and 1,2-DCA be removed from the list of analytes based on the following data:

- BTEX concentrations have not exceeded RWQCB ESLs for drinking water at any well sampled since April 2004 (20 sampling events).

- MTBE and 1,2-DCA have not been detected at concentrations exceeding the RWQCB ESLs for drinking water at any well sampled as of September 1999 (26 sampling events).

ARCADIS will also remove skimmers from observation well OW-1 and monitoring wells MW-2 and MW-3 to measure static free product thicknesses and perform baildown tests.

ARCADIS will continue to monitor methane concentrations in the monitoring well air column in areas of concern due to methanogenesis in accordance with the draft Work Plan.

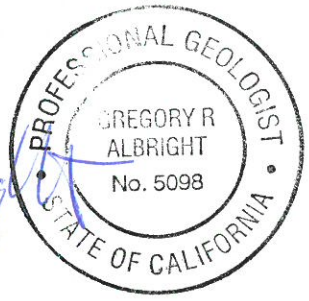
If you have any questions regarding this report, please do not hesitate to contact Gregory Albright at 609.366.9067. Please send correspondence regarding this report to Mr. Paul Harper of UPS at the address provided below. Please copy ARCADIS on all correspondence.

Sincerely,

ARCADIS U.S., Inc.

Jennifer Halcomb-LeBeau
Project Geologist

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



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2 Historical Groundwater Monitoring Results and Baseline Sampling Summary

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1 Site Location Map
2 Facility Layout Map
3 Site Map
4 Groundwater Contour Map, February 5, 2015
5 Groundwater Quality Map, February 5, 2015

Attachments

1 Field Data Sheets
2 SOS® Passive Skimmers Specifications
3 Laboratory Analytical Results and Chain-of-Custody Documentation

References

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

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

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ARCADIS

Tables

Table 1

Historical Groundwater Elevation Summary

First Semiannual 2015 Groundwater Monitoring Report

UPS-Oakland Hub

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	2.36	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

Table 1

Historical Groundwater Elevation Summary

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UPS-Oakland Hub

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	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
		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	NA	NR
		6/19/1991	4.66	2.49	NA	NR
		7/23/1991	4.81	2.34	NA	NR

Table 1

Historical Groundwater Elevation Summary

First Semiannual 2015 Groundwater Monitoring Report

UPS-Oakland Hub

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	8/26/1991	4.89	2.26	NA	NR
		11/18/1991	4.93	2.22	NA	NR
		2/3/1992	4.44	2.71	NA	NR
		6/29/1992	4.80	2.35	NA	NR
		6/23/1993	4.38	2.77	NA	NR
		10/11/1993	5.20	1.95	NA	NR
		1/4/1994	4.56	2.59	NA	NR
		5/10/1994	4.20	2.95	NA	NR
		2/1/1995	4.00	3.15	NA	NR
		8/2/1995	4.71	2.44	NA	NR
		10/16/1995	5.02	2.13	NA	NR
		12/28/1995	4.56	2.59	NA	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	2.25	0.08	NR
		2/12/2002	4.26	2.90	0.01	24.00
		9/3/2002	5.02	2.19	0.07	NR
		9/27/2002	4.89	2.34	0.09	222.30
		10/22/2002	5.11	2.08	0.05	125.00
		12/23/2002	4.25	2.93	0.04	99.00
		1/16/2003	4.28	2.89	0.02	49.00
		2/12/2003	4.26	2.90	0.01	24.00
		3/28/2003	4.35	2.81	0.01	25.00
		5/30/2003	3.60	3.57	0.02	49.00
		6/20/2003	4.55	2.61	0.01	NR
		7/14/2003	4.56	2.59	0.00	NR
		8/25/2003	4.79	2.37	0.01	25.00
		9/9/2003	4.90	2.26	0.01	NR
		9/25/2003	4.97	2.19	0.01	25.00
		10/28/2003	4.98	2.20	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	2.60	0.01	NR
		3/29/2004	4.24	2.92	0.01	NR
		4/19/2004	4.50	2.66	0.01	25.00
		5/20/2004	4.53	2.62	0.00	NR
		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	2.17	0.02	50.00
		10/25/2004	4.68	2.47	0.00	NR
		12/15/2004	4.34	2.83	0.02	50.00
		1/24/2005	4.15	3.00	0.00	NR
		2/23/2005	4.95	2.23	0.03	74.00
		3/23/2005	4.96	2.21	0.02	49.00
		4/29/2005	4.23	3.01	0.10	246.00

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MW-2	7.15	5/27/2005	4.20	2.97	0.02	50.00
		6/29/2005	4.29	2.86	0.00	NR
		7/20/2005	4.48	2.70	0.04	98.00
		8/24/2005	4.71	2.44	0.00	NR
		9/27/2005	4.98	2.20	0.03	70.00
		10/19/2005	5.08	2.07	0.00	NR
		11/29/2005	4.68	2.48	0.01	NR
		12/29/2005	4.19	2.97	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	3.05	0.01	NR
		4/28/2006	4.03	3.12	0.00	NR
		6/27/2006	4.45	2.71	0.01	NR
		7/31/2006	4.60	2.57	0.02	NR
		8/29/2006	4.84	2.32	0.01	NR
		9/28/2006	4.96	2.22	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	2.95	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	2.86	0.01	NR
		4/26/2007	4.17	3.01	0.03	NR
		5/29/2007	4.42	2.74	0.01	25.00
		6/28/2007	5.16	2.00	0.01	25.00
		7/30/2007	4.71	2.44	0.00	NR
		8/30/2007	4.94	2.24	0.03	NR
		9/25/2007	5.06	2.10	0.01	25.00
		10/29/2007	4.75	2.41	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	3.19	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	2.58	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	2.27	0.01	25.00
		9/30/2008	5.14	2.04	0.04	98.00
		10/31/2008	5.23	1.95	0.03	NR
		11/26/2008	4.74	2.44	0.04	NR
		12/30/2008	4.33	2.83	0.01	25.00
		1/22/2009	4.45	2.71	0.01	25.00
MW-2	9.63	5/5/2010	4.03	5.71	0.13	NR
		10/29/2010	4.98	4.72	0.08	NR

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MW-2	9.63	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	4.92	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	4.55	0.01	591.47
		10/19/2011	4.77	4.87	0.01	591.47
		11/22/2011	4.92	4.72	0.01	532.32
		12/26/2011	4.92	4.72	0.01	532.32
		1/23/2012	5.20	4.67	0.28	561.83
		2/15/2012	5.16	4.50	0.03	591.40
		2/29/2012	4.75	4.90	0.02	NR
		3/19/2012	4.42	5.21	0.00	NR
		5/1/2012	4.18	5.48	0.03	532.32
		6/5/2012	4.61	5.03	0.01	NR
		7/3/2012	4.91	4.75	0.03	532.32
		8/1/2012	4.93	4.71	0.01	NR
		8/3/2012	4.985	4.69	0.05	591.47
		10/25/2012	5.49	4.16	0.02	5.0
		11/19/2012	5.21	4.42	0.00	25.0
		12/20/2012	5.76	3.88	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	4.65	0.01	5.0
		6/26/2013	5.23	4.40	0.00	NR
		7/22/2013	5.15	4.53	0.06	NR
		8/12/2013	5.15	4.50	0.02	0.0
		9/25/2013	5.13	4.50	0.00	0.0
		10/28/2013	5.39	4.25	0.01	5.0
		11/27/2013	5.20	4.45	0.02	NR
		12/27/2013	5.52	4.11	0.00	0.0
		1/29/2014	5.50	4.15	0.02	0.0
		2/5/2014	5.45	4.18	0.00	0.0
		3/28/2014	4.43	5.20	0.00	NR
		4/29/2014	4.71	4.94	0.02	5.0
		5/28/2014	4.69	4.94	0.00	NR
		6/27/2014	5.01	4.73	0.13	NR
		7/31/2014	4.99	4.71	0.08	0.0
		8/29/2014	5.30	4.35	0.02	NR
		9/23/2014	4.82	4.89	0.09	5.0
		10/22/2014	5.08	4.63	0.09	0.0
		12/29/2014	4.44	5.19	0.00	0.0
		1/30/2015	4.61	5.06	0.05	0.0
		2/5/2015	4.61	5.03	0.01	25

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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):						5203.07
MW-2 Total product recovered:						7029.37
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

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MW-3	7.42	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
		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	4.26	0.00	NR
		2/21/2008	2.41	5.01	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
		5/5/2010	3.13	6.78	0.02	NR
		10/29/2010	4.70	5.19	0.00	NR

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MW-3	9.89	2/25/2011	1.54	8.37	0.02	NR
		6/14/2011	3.25	6.68	0.05	NR
		7/19/2011	3.53	6.38	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	5.79	0.01	532.26
		2/15/2012	4.90	5.01	0.02	591.40
		2/29/2012	4.14	5.78	0.03	NR
		3/19/2012	2.98	6.91	0.00	NR
		5/1/2012	2.91	6.99	0.01	532.32
		6/5/2012	3.80	6.09	0.00	NR
		7/3/2012	4.22	5.68	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	4.89	0.01	10.00
		6/26/2013	5.13	4.77	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	4.24	0.02	2.00
		12/27/2013	5.80	4.11	0.02	2.00
		1/29/2014	5.90	4.03	0.05	NR
		2/5/2014	5.84	4.08	0.04	2.00
		3/28/2014	4.74	5.16	0.01	NR
		4/29/2014	4.12	5.77	0.00	NR
		5/28/2014	4.45	5.44	0.00	5.00
		6/27/2014	5.60	4.29	0.00	NR
		7/31/2014	4.74	5.15	0.00	NR
		8/29/2014	5.00	4.89	0.00	NR
		9/23/2014	5.20	4.69	0.00	NR
		10/22/2014	5.72	4.17	0.00	NR
		12/29/2014	3.58	6.31	0.00	NR
		1/30/2015	4.03	5.86	0.00	NR
		2/5/2015	4.22	5.67	0.00	NR

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MW-3 Product recovered prior to skimmer installation (Pre 6/14/2011):						0.00
MW-3 Product recovered post-skimmer installation (Post 6/14/2011):						6684.89
MW-3 Total product recovered:						6684.89
MW-4	9.77	5/5/2010	2.96	6.81	0.00	NR
		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	5.33	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	4.09	5.69	0.01	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	--	--	--
		7/22/2013	5.10	4.67	0.00	NR
		8/12/2013	5.25	4.52	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.03	3.74	0.00	NR
		2/5/2014	5.64	4.13	0.00	NR
		3/28/2014	4.57	5.20	0.00	NR
		4/29/2014	3.98	5.79	0.00	NR
		5/28/2014	4.72	5.05	0.00	NR
		6/27/2014	4.37	5.40	0.00	NR
		7/31/2014	4.61	5.16	0.00	NR
		8/29/2014	4.84	4.93	0.00	NR
		9/23/2014	5.22	4.55	0.00	NR
		10/22/2014	5.25	4.52	0.00	NR
		12/29/2014	3.32	6.45	0.00	NR
		1/30/2015	3.98	5.79	0.00	NR
		2/5/2015	4.03	5.74	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	--	NM	--
		2/26/2013	3.38	4.84	0.00	NR
		4/14/2013	NM	--	NM	--
		5/15/2013	NM	--	NM	--
		7/22/2013	3.90	4.32	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-8	8.22	8/12/2013	4.08	4.14	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	4.73	3.49	0.00	NR
		2/5/2014	4.50	3.72	0.00	NR
		3/28/2014	3.34	4.88	0.00	NR
		4/29/2014	2.98	5.24	0.00	NR
		5/28/2014	3.20	5.02	0.00	NR
		6/27/2014	3.53	4.69	0.00	NR
		7/31/2014	3.76	4.46	0.00	NR
		8/29/2014	4.03	4.19	0.00	NR
		9/23/2014	4.02	4.20	0.00	NR
		10/22/2014	4.39	3.83	0.00	NR
		12/29/2014	3.87	4.35	0.00	NR
		1/30/2015	3.09	5.13	0.00	NR
		2/5/2015	3.36	4.86	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	--	NM	--
		2/26/2013	5.91	8.72	0.00	NR
		4/14/2013	NM	--	NM	--
		5/15/2013	NM	--	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	--
	11.10	1/29/2014	7.15	3.95	0.00	NR
		2/5/2014	6.80	4.30	0.00	NR
		3/28/2014	5.13	5.97	0.00	NR
		4/29/2014	5.68	5.42	0.00	NR
		5/28/2014	5.57	5.53	0.00	NR
		6/27/2014	6.01	5.09	0.00	NR
		7/31/2014	6.12	4.98	0.00	NR
		8/29/2014	6.38	4.72	0.00	NR
		9/23/2014	6.29	4.81	0.00	NR
		10/22/2014	7.15	3.95	0.00	NR
		12/29/2014	5.58	5.52	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-9	11.10	1/30/2015	5.62	5.48	0.00	NR
		2/5/2015	6.00	5.10	0.00	NR
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	1.35	0.01	NR
		2/25/2013	NM	--	NM	--
		2/26/2013	8.28	1.40	0.00	NR
		4/14/2013	NM	--	NM	--
		5/15/2013	NM	--	NM	--
		7/22/2013	8.31	1.37	0.00	NR
		8/12/2013	8.64	1.04	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	9.43	0.25	0.00	NR
		2/5/2014	9.41	0.27	0.00	NR
		3/28/2014	8.18	1.50	0.00	NR
		4/29/2014	8.21	1.47	0.00	NR
		5/28/2014	5.59	4.09	0.00	NR
		6/27/2014	8.29	1.39	0.00	NR
		7/31/2014	8.31	1.37	0.00	NR
		8/29/2014	8.30	1.38	0.00	NR
		9/23/2014	NM	--	NM	--
		10/22/2014	8.29	1.39	0.00	NR
		12/29/2014	7.21	2.47	0.00	NR
		1/30/2015	7.88	1.80	0.00	NR
		2/5/2015	8.23	1.45	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	3.34	0.01	NR
		2/25/2013	NM	--	NM	--
		2/26/2013	5.96	3.53	0.00	NR
		4/14/2013	NM	--	NM	--
		5/15/2013	NM	--	NM	--
		7/22/2013	6.05	3.44	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-11	9.49	8/12/2013	6.43	3.06	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	7.06	2.43	0.00	NR
		2/5/2014	6.98	2.51	0.00	NR
		3/28/2014	5.21	4.28	0.00	NR
		4/29/2014	5.43	4.06	0.00	NR
		5/28/2014	5.59	3.90	0.00	NR
		6/27/2014	5.84	3.65	0.00	NR
		7/31/2014	6.09	3.40	0.00	NR
		8/29/2014	6.30	3.19	0.00	NR
		9/23/2014	6.48	3.01	0.00	NR
		10/22/2014	6.03	3.46	0.00	NR
		12/29/2014	4.00	5.49	0.00	NR
		1/30/2015	5.44	4.05	0.00	NR
		2/5/2015	5.69	3.80	0.00	NR
MW-12	9.43	3/19/2012	4.40	5.18	0.18	NR
		6/5/2012	6.31	3.73	0.72	NR
		8/1/2012	7.39	3.23	1.40	NR
		8/3/2012	7.15	3.39	1.30	NR
		10/25/2012	6.74	3.30	0.72	NR
		11/19/2012	6.45	3.66	0.80	NR
		12/20/2012	5.90	4.30	0.90	NR
		1/24/2013	6.53	3.91	1.19	725.00
		2/25/2013	6.55	3.77	1.05	ND
		2/26/2013	7.75	1.72	0.05	30.00
		4/14/2013	5.70	3.94	0.25	ND
		4/22/2013	6.27	3.55	0.46	278.00
		5/15/2013	6.51	3.28	0.42	ND
		5/30/2013	6.67	2.97	0.25	151.00
		6/26/2013	6.82	2.89	0.33	200.00
		7/22/2013	6.69	2.88	0.16	97.00
		8/12/2013	6.73	2.84	0.17	0.00
		9/25/2013	6.83	3.04	0.52	322.00
		10/28/2013	6.83	2.93	0.39	236.00
		11/27/2013	6.86	3.09	0.61	606.00
		12/27/2013	6.75	2.80	0.14	84.00
		1/29/2014	6.80	2.93	0.35	200.00
		2/5/2014	6.82	2.91	0.35	212.00
		3/28/2014	5.95	3.82	0.40	242.00
		4/29/2014	5.49	4.20	0.31	188.00
		5/28/2014	5.37	4.28	0.26	157.00
		6/27/2014	5.29	4.55	0.48	400.00
		7/31/2014	5.79	3.99	0.41	1009.00
		8/29/2014	5.80	3.84	0.25	151.00

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MW-12	9.43	9/23/2014	6.00	3.74	0.37	275.00
		10/22/2014	6.04	3.72	0.39	300.00
		12/29/2014	4.94	4.63	0.16	NR
		1/30/2015	5.00	4.81	0.45	200
		2/5/2015	4.87	4.65	0.11	66
MW-12 Total product recovered:						6129.00
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	3.96	0.01	NR
		2/25/2013	4.61	4.49	0.00	NR
		2/26/2013	3.40	5.70	--	NR
		4/14/2013	4.88	4.22	0.00	NR
		5/15/2013	5.26	3.84	0.00	NR
		7/22/2013	5.58	3.52	0.00	NR
		8/12/2013	5.69	3.41	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.47	2.63	0.00	NR
		2/5/2014	5.80	3.30	0.00	NR
		3/28/2014	4.84	4.26	0.00	NR
		4/29/2014	4.35	4.75	0.00	NR
		5/28/2014	4.34	4.76	0.00	NR
		6/27/2014	4.58	4.52	0.00	NR
		7/31/2014	4.63	4.47	0.00	NR
		8/29/2014	4.86	4.24	0.00	NR
		9/23/2014	4.91	4.19	0.00	NR
		10/22/2014	4.99	4.11	0.00	NR
		12/29/2014	4.24	4.86	0.00	NR
		1/30/2015	4.07	5.03	0.00	NR
		2/5/2015	4.12	4.98	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	5.61	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)
MW-14	9.29	3/28/2014	1.64	7.65	0.00	NR
		4/29/2014	1.74	7.55	0.00	NR
		5/28/2014	3.09	6.20	0.00	NR
		6/27/2014	3.49	5.80	0.00	NR
		7/31/2014	3.92	5.37	0.00	NR
		8/29/2014	4.50	4.79	0.00	NR
		9/23/2014	5.49	3.80	0.00	NR
		10/22/2014	4.00	5.29	0.00	NR
		12/29/2014	1.68	7.61	0.00	NR
		1/30/2015	3.03	6.26	0.00	NR
		2/5/2015	3.29	6.00	0.00	NR
OW-1	NA	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

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OW-1	NA	8/24/2005	7.15	NC	0.06	249.00
		9/27/2005	7.43	NC	0.12	450.00
		10/19/2005	7.48	NC	0.11	425.00
		11/29/2005	7.00	NC	0.04	NR
		12/29/2005	5.22	NC	0.00	NR
		1/31/2006	5.64	NC	0.00	NR
		2/28/2006	6.53	NC	0.01	39.00
		3/27/2006	5.80	NC	0.01	NR
		4/28/2006	6.39	NC	0.00	NR
		6/27/2006	7.82	NC	0.06	NR
		7/31/2006	5.82	NC	0.05	NR
		8/29/2006	7.05	NC	0.07	NR
		9/28/2006	7.10	NC	0.02	NR
		10/27/2006	7.27	NC	0.02	NR
		11/22/2006	7.05	NC	0.02	NR
		12/26/2006	6.73	NC	0.03	NR
		1/25/2007	7.15	NC	0.00	NR
		2/16/2007	7.71	NC	0.01	NR
		3/19/2007	6.77	NC	0.02	NR
		4/26/2007	6.66	NC	0.01	NR
		5/29/2007	6.86	NC	0.02	76.00
		6/28/2007	6.97	NC	0.20	75.00
		7/30/2007	7.06	NC	0.01	NR
		8/30/2007	7.25	NC	0.03	NR
		9/25/2007	7.25	NC	0.03	115.00
		10/29/2007	7.43	NC	0.02	78.00
		11/29/2007	7.37	NC	0.00	NR
		12/28/2007	7.28	NC	0.01	40.00
		1/24/2008	6.61	NC	0.01	38.00
		2/21/2008	6.33	NC	0.01	37.00
		3/28/2008	6.80	NC	0.01	NR
		4/30/2008	7.44	NC	0.03	166.90
		5/29/2008	7.09	NC	0.01	38.00
		6/25/2008	7.07	NC	0.02	112.00
		7/29/2008	7.34	NC	0.00	NR
		8/27/2008	7.28	NC	0.02	78.00
		9/30/2008	7.82	NC	0.03	167.00
		10/31/2008	7.31	NC	0.01	NR
		11/26/2008	6.93	NC	0.01	NR
		12/30/2008	7.25	NC	0.02	112.00
		1/22/2009	7.05	NC	0.01	56.00
	9.55	5/5/2010	7.08	2.52	0.06	NR
		10/29/2010	7.37	2.25	0.08	NR
		2/25/2011	6.17	3.42	0.05	NR
		6/14/2011	6.78	2.84	0.08	0.00
		7/19/2011	7.30	2.42	0.20	118.29

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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	9.55	8/18/2011	7.35	2.23	0.03	147.87
		9/1/2011	7.35	2.23	0.03	147.87
		9/20/2011	7.41	2.17	0.04	591.47
		10/19/2011	7.42	2.16	0.03	532.32
		11/22/2011	7.09	2.49	0.03	29.57
		12/26/2011	7.32	2.25	0.02	147.87
		1/23/2012	6.90	2.91	0.30	532.26
		2/15/2012	7.32	2.25	0.02	591.40
		2/29/2012	7.54	2.08	0.08	NR
		3/19/2012	7.25	2.31	0.01	NR
		5/1/2012	7.14	2.42	0.01	532.32
		6/5/2012	8.55	1.01	0.01	NR
		7/3/2012	7.63	1.95	0.04	295.70
		8/1/2012	7.81	1.74	0.00	NR
		8/3/2012	7.50	2.17	0.14	591.47
		10/25/2012	7.34	2.23	0.02	5.0
		11/19/2012	7.26	2.46	0.20	10.0
		12/20/2012	6.93	2.65	0.03	5.0
		1/24/2013	6.89	2.69	0.03	10.0
		2/25/2013	NM	--	--	--
		2/26/2013	7.72	1.86	0.03	15.0
		4/14/2013	NM	--	--	--
		4/22/2013	7.68	1.90	0.03	15.0
		5/15/2013	NM	-	-	-
		5/30/2013	7.50	2.09	0.05	20.0
		6/26/2013	7.56	2.03	0.05	NR
		7/22/2013	7.84	1.80	0.10	5.0
		8/12/2013	7.55	2.01	0.01	NR
		9/25/2013	7.36	2.22	0.03	10.0
		10/28/2013	7.10	2.50	0.06	5.0
		11/27/2013	7.16	2.44	0.06	10.0
		12/27/2013	7.33	2.25	0.04	5.0
		1/29/2014	7.02	2.57	0.05	25.0
		2/5/2014	8.40	1.18	0.03	10.0
		3/28/2014	7.15	2.41	0.01	2.0
		4/29/2014	5.48	4.08	0.01	5.0
		5/28/2014	7.74	1.86	0.06	10.0
		6/27/2014	7.61	1.97	0.03	5.0
		7/31/2014	7.66	1.93	0.05	50.0
		8/29/2014	7.36	2.24	0.06	NR
		9/23/2014	7.25	2.34	0.05	5.0
		10/22/2014	7.83	1.73	0.01	0.0
		12/29/2014	7.34	2.21	0.00	NR
		1/30/2015	7.10	2.46	0.01	5.0
		2/5/2015	7.49	2.12	0.07	60

Table 1

Historical Groundwater Elevation Summary

First Semiannual 2015 Groundwater Monitoring Report

UPS-Oakland Hub

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)
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):						4550.41
OW-1 Total product recovered:						10494.09
IW-1	9.50	3/19/2012	4.38	5.12	0.00	NR
		6/5/2012	6.24	3.76	0.59	NR
		8/1/2012	7.29	3.26	1.23	NR
		8/3/2012	7.01	3.43	1.10	NR
		10/25/2012	7.05	3.30	1.00	NR
		11/19/2012	6.50	3.77	0.90	NR
		12/20/2012	5.85	4.28	0.74	NR
		1/24/2013	6.54	3.92	1.13	690.00
		2/25/2013	6.50	3.72	0.85	ND
		2/26/2013	8.72	1.55	0.91	550.00
		4/14/2013	5.64	4.57	0.84	ND
		4/22/2013	6.56	3.50	0.66	400.00
		5/15/2013	6.79	2.91	0.23	ND
		5/30/2013	6.93	2.97	0.47	284.00
		6/26/2013	6.98	2.98	0.54	327.00
		7/22/2013	6.89	2.92	0.36	218.00
		8/12/2013	6.95	3.07	0.61	370.00
		9/25/2013	6.73	3.05	0.33	205.00
		10/28/2013	6.76	2.94	0.24	145.00
		11/27/2013	6.80	3.19	0.58	351.00
		12/27/2013	6.71	2.99	0.24	145.00
		1/29/2014	6.69	2.93	0.14	150.00
		2/5/2014	6.69	2.90	0.11	66.00
		3/28/2014	5.64	4.02	0.19	115.00
		4/29/2014	5.31	4.23	0.05	30.00
		5/28/2014	5.20	4.39	0.10	60.00
		6/27/2014	5.64	4.09	0.27	180.00
		7/31/2014	5.70	3.99	0.22	542.00
		8/29/2014	5.77	3.85	0.14	NR
		9/23/2014	5.97	3.67	0.16	100.00
		10/22/2014	7.70	1.85	0.06	100.00
		12/29/2014	5.24	4.58	0.38	NR
		1/30/2015	5.10	4.49	0.10	20.00
		2/5/2015	5.15	4.62	0.32	844
IW-1 Total product recovered:						5892.00
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

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)
IW-2	9.02	7/22/2013	5.60	3.42	0.00	NR
		8/12/2013	5.71	3.31	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	6.37	2.65	0.00	NR
		2/5/2014	6.05	2.97	0.00	NR
		3/28/2014	5.13	3.89	0.00	NR
		4/29/2014	4.63	4.39	0.00	NR
		5/28/2014	4.60	4.42	0.00	NR
		6/27/2014	4.94	4.08	0.00	NR
		7/31/2014	5.13	3.89	0.00	NR
		8/29/2014	5.31	3.71	0.00	NR
		9/23/2014	5.49	3.53	0.00	NR
		10/22/2014	5.60	3.46	0.05	25.00
		12/29/2014	4.88	4.14	0.00	NR
		1/30/2015	4.20	5.02	0.23	250.00
		2/5/2015	4.67	4.36	0.01	6
IW-2 Total product recovered:						281.00
IW-3	8.93	3/19/2012	4.23	4.70	0.00	NR
		6/5/2012	3.82	5.11	0.00	NR
		8/1/2012	4.77	4.16	0.00	NR
		2/25/2013	5.90	3.03	0.00	NR
		2/26/2013	4.42	4.51	0.00	NR
		4/14/2013	NM	--	--	--
		5/15/2012	NM	--	--	--
		7/22/2013	4.80	4.13	0.00	NR
		8/12/2013	5.23	3.70	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.63	3.30	0.00	NR
		2/5/2014	5.83	3.10	0.00	NR
		3/28/2014	4.80	4.13	0.00	NR
		4/29/2014	4.24	4.69	0.00	NR
		5/28/2014	3.99	4.94	0.00	NR
		6/27/2014	4.33	4.60	0.00	NR
		7/31/2014	4.61	4.32	0.00	NR
		8/29/2014	4.86	4.07	0.00	NR
		9/23/2014	4.99	3.94	0.00	NR
		10/22/2014	5.01	3.92	0.00	NR
		12/29/2014	4.70	4.23	0.00	NR
		1/30/2015	4.70	4.23	0.00	NR
		2/5/2015	4.37	4.56	0.00	NR
IW-4	9.96	3/19/2012	3.00	6.96	0.00	NR

Table 1
Historical Groundwater Elevation Summary
First Semiannual 2015 Groundwater Monitoring Report
UPS-Oakland Hub
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)
IW-4	9.96	6/5/2012	3.77	6.19	0.00	NR
		8/1/2012	4.64	5.33	0.01	NR
		2/25/2013	NM	--	--	--
		2/26/2013	4.29	5.68	0.01	NR
		4/14/2013	NM	--	--	--
		5/15/2013	NM	--	--	--
		7/22/2013	NM	--	--	--
		8/12/2013	5.45	4.51	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.87	4.09	0.00	NR
		2/5/2014	6.86	3.10	0.00	NR
		3/28/2014	5.24	4.72	0.00	NR
		4/29/2014	4.19	5.77	0.00	NR
		5/28/2014	4.79	5.17	0.00	NR
		6/27/2014	5.04	4.92	0.00	NR
		7/31/2014	4.78	5.18	0.00	NR
		8/29/2014	5.02	4.94	0.00	NR
		9/23/2014	5.14	4.82	0.00	NR
		10/22/2014	5.29	4.67	0.00	NR
		12/29/2014	3.80	6.16	0.00	NR
		1/30/2015	4.49	5.47	0.00	NR
		2/5/2015	4.22	5.74	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
		3/28/2014	5.13	4.75	0.00	NR
		4/29/2014	4.27	5.61	0.00	NR
		5/28/2014	4.44	5.44	0.00	NR
		6/27/2014	4.65	5.23	0.00	NR
		7/31/2014	4.88	5.00	0.00	NR
		8/29/2014	5.10	4.78	0.00	NR
		9/23/2014	5.22	4.66	0.00	NR

Table 1

Historical Groundwater Elevation Summary

First Semiannual 2015 Groundwater Monitoring Report

UPS-Oakland Hub

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)
IW-5	9.88	10/22/2014	4.79	5.09	0.00	NR
		12/29/2014	3.61	6.27	0.00	NR
		1/30/2015	4.11	5.77	0.00	NR
		2/5/2015	4.31	5.57	0.00	NR
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	5.32	0.01	NR
		2/25/2013	NM	--	NM	--
		2/26/2013	4.10	5.57	0.00	NR
		4/14/2013	NM	--	NM	--
		5/15/2013	NM	--	NM	--
		7/22/2013	5.09	4.58	0.00	NR
		8/12/2013	5.23	4.44	0.00	NR
		9/25/2013	NM	--	NM	--
		10/28/2013	NM	--	NM	--
		11/27/2013	NM	--	NM	--
		12/27/2013	NM	--	NM	--
		1/29/2014	5.75	3.92	0.00	NR
		2/5/2014	5.55	4.12	0.00	NR
		3/28/2014	3.93	5.74	0.00	NR
		4/29/2014	3.71	5.96	0.00	NR
		5/28/2014	3.90	5.77	0.00	NR
		6/27/2014	4.54	5.13	0.00	NR
		7/31/2014	4.81	4.86	0.00	NR
		8/29/2014	5.00	4.67	0.00	NR
		9/23/2014	5.03	4.64	0.00	NR
		10/22/2014	4.78	4.89	0.00	NR
		12/29/2014	3.20	6.47	0.00	NR
		1/30/2015	4.04	5.63	0.00	NR
		2/5/2015	3.70	5.97	0.00	NR

Total product recovered from skimmers (MW-2, MW-3, and OW-1):	
Total product recovered prior to skimmer installation (mL):	7,770.0
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):	16,438.4
Total product recovered post-skimmer installation (oz):	555.0
Total product recovered post-skimmer installation (gal):	4.34
Total product recovered from wells without skimmers (mL):	12,302.0
Total product recovered from wells without skimmers (oz):	420.0
Total product recovered from wells without skimmers (gal):	3.3

Table 1

Historical Groundwater Elevation Summary

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UPS-Oakland Hub

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)
Total product recovered (mL):						36,510.4
Total product recovered (oz):						1,234.0
Total product recovered (gal):						9.64

Notes:

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

1. Volume of product recovered on 9/27/02 and 3/23/05 calculated based on measurements from field data sheets.
2. Corrected groundwater elevation = top of casing elevation - depth to water + (product thickness x 0.85)
3. 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
HVE = high vacuum extraction
mL = milliliters
oz = ounces
NA = not available
NC = not calculated
ND = not determined; due to the method used for HVE, a distinction could not be made between the volume of water and volume of product recovered
NM = not measured
NR = not recovered

Table 2
Historical Groundwater Monitoring Results and Baseline Sampling Summary
First Semiannual 2015 Groundwater Monitoring Report
UPS-Oakland Hub
8400 Pardee Drive, Oakland, California
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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 ºC	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	Manganese µg/L	Naphthalene 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**	--	--	--	--	**770**	**1,000**	--	--	--	--	--	--	--	**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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	6/12/1996	NS	NS	NS	NS	NS	NS	--	NS	NM	NM	NM	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	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	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	3,400	<0.10	3,200
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
Historical Groundwater Monitoring Results and Baseline Sampling Summary
First Semiannual 2015 Groundwater Monitoring Report
UPS-Oakland Hub
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 ºC	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	Manganese µg/L	Naphthalene 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**	--	--	--	--	**770**	**1,000**	--	--	--	--	--	--	--	**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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	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	4,400	1.3	720
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	<5.0	<5.0	<5.0	<10	<5.0	<500	2,800	NM	24.4	6.31	1,746	<5.0	<5.0	5,400	<230	64,000	1,200	<1,000	8,000	7,200	1.9	1,100
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	**140**	***9,500***	NM	18.4	6.89	1,212	<0.50	<0.50	5,800	<230	47,000	10,000	<1,000	5,900	5,800	1.2	770
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	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	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	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	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	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	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	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	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	NA	<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	5,700	<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	6,100	<0.48	1,100
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	430	7,300	NM	24.1	6.78	1,739	<0.5	<0.5	7,600	<230	64,000	2,500	<1,000	3,800	5,900	0.21	1,200
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	***970***	NM	18.2	7.07	1,798	<0.50	<0.50	5,000	<230	57,000	1,400	<1,000	4,900	7,700	0.32	960
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	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	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	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	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	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	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	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	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	NA	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	1,800	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	2,000	0.86	6,500
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<50	NM	22.1	6.84	10,210	<0.5	<0.5	2,000	<230	170,000	<1,000	3,500	2,800	2,200	1.4	5,000
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**170**	NM	15.9	7.01	4,275	<0.50	<0.50	2,900	<230	150,000	<1,000	<1,000	4,400	3,200	**9.1**	2,600
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	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	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	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	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	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	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	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	NA	<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	2,800	<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	NA	<0.10	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<51	NM	23.8	6.7	9,842	<0.5	<0.5	2,700	<230	310,000	<1,000	<1,000	20,000	4,200	<0.10	13,000
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<50	NM	16.3	6.98	12,580	<0.50	<0.50	4,100	<230	340,000	<1,000	<1,000	14,000	4,500	<0.10	**9,100**

Table 2
Historical Groundwater Monitoring Results and Baseline Sampling Summary
First Semiannual 2015 Groundwater Monitoring Report
UPS-Oakland Hub
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 ºC	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	Manganese µg/L	Naphthalene 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**	--	--	--	--	**770**	**1,000**	--	--	--	--	--	--	--	**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	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	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	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	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	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	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	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	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	NA	<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	6,600	<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	7,900	<0.10	7,000
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<54	NM	23.6	6.68	11,800	<0.5	<0.5	4,400	<230	170,000	<1,000	1,200	6,500	4,400	<0.11	5,200
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	89	NM	19.5	6.98	9,361	<0.50	<0.50	3,000	<230	150,000	82,000	<1,000	5,600	5,600	<0.10	**3,800**
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	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	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	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	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	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	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	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	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	NA	<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	1,200	<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	NA	<0.14	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	150	NM	24.5	6.67	7,817	<0.5	<0.5	3,900	<230	140,000	<1,000	<1,000	13,000	1,300	0.25	6,100
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**360**	NM	18.9	6.75	2,599	<0.50	<0.50	2,500	<230	35,000	5,000	1,200	4,600	510	<0.20	2,300
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	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	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	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	NA	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	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	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	3/19/2012	NA	NA	NA	NA	NA	NA	690	NA	NM	NM	NM	NA	NA	NA	NA	160,000	100,000	NA	390,000	NA	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	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	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	NA	<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	2,100	<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	2,000	0.22	1,800
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	100	NM	24.9	7.05	2,287	<0.5	<0.5	4,700	<230	87,000	<1,000	<1,000	5,600	2,000	0.46	1,500
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**130**	NM	15.5	7.57	1,746	<0.50	<0.50	7,900	<230	57,000	<1,000	<1,000	9,300	2,600	0.23	960
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	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	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	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	NA	<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	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	NA	<0.10	NA
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<53	NM	25.1	6.50	8,731	<0.5	<0.5	2,700	<230	280,000	<1,000	<1,000	24,000	2,200	0.15	8,600
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<50	NM	14.3	7.18	2,231	<0.50	<0.50	3,700	<230	87,000	55,000	<1,000	25,000	2,500	<0.10	1,900
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	2,300
	2/26/2013	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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UPS-Oakland Hub
8400 Pardee Drive, Oakland, California
Global ID #T0600100939

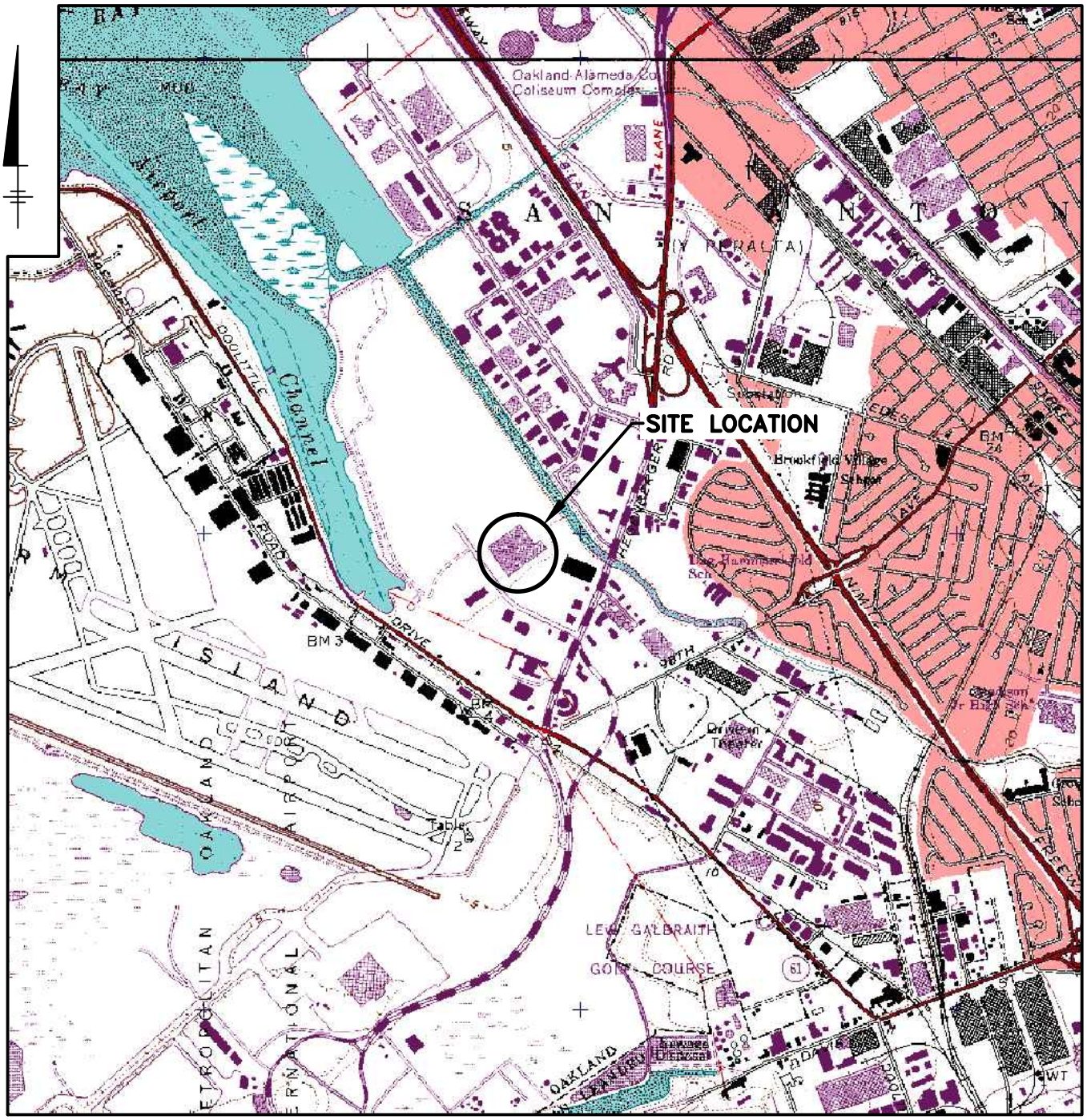
Monitoring Well	Date	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	MTBE µg/L	TPH as Gasoline µg/L	TPH as Diesel µg/L	DO mg/L	Temperature ºC	pH	Conductivity µS	EDB µg/L	1,2-DCA µg/L	Methane µg/L	Nitrate as Nitrogen µg/L	Magnesium µg/L	Sulfate µg/L	Sulfide µg/L	Iron µg/L	Manganese µg/L	Naphthalene 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**	--	--	--	--	**770**	**1,000**	--	--	--	--	--	--	--	**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	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	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	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	NA	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	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	NS
	8/29/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/5/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
IW-2	3/19/2012	NA	NA	NA	NA	NA	NA	2,500	NA	NM	NM	NM	NA	NA	NA	NA	95,000	99,000	NA	8,200	NA	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	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	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	NA	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	3,000	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	2,300	180	3,300
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	490	7,500	NM	24.1	6.84	7,183	<0.5	<0.5	3,000	<230	150,000	<1,000	3,100	10,000	2,300	66	3,400
	2/5/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
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	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	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	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	NA	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	3,100	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	2,800	15	2,900
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	160	NM	24.1	6.77	7,112	<0.5	<0.5	3,600	<230	150,000	<1,000	2,000	16,000	3,300	2.0	2,400
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	<50	<50	NM	15.7	7.14	3,633	<0.50	<0.50	5,300	<230	150,000	<1,000	1,500	28,000	4,100	1.4	2,300
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	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	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	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	NA	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	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	6,000	4.0	1,200
	8/29/2014	<5.0	<5.0	<5.0	<10	<5.0	2,500	46,000	NM	24.1	6.78	1,885	<5.0	<5.0	5,000	<230	130,000	<1,000	2,400	4,900	7,000	13	1,200
	2/5/2015	<2.5	<2.5	<2.5	<5.0	<2.5	**340**	***55,000***	NM	14.8	7.36	2,731	<2.5	<2.5	4,600	<230	80,000	2,400	<1,000	4,900	7,300	1.8	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	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	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	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	NA	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	6,300	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	NA
	2/5/2014	<0.50	<0.50	<0.50	<1.0	<0.50	770	88,000	NA	18.50	6.77	1725.00	<0.50	<0.50	6,600	<230	69,000	1,200	<1,000	10,000	7,100	10	950
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	1,600	86,000	NM	25.8	6.74	2,147	<0.5	<0.5	6,400	<230	120,000	<1,000	<1,000	9,000	7,600	14	1,200
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	***530***	***98,000***	NM	15.7	7.24	1,908	<0.50	<0.50	5,500	<230	42,000	<1,000	<1,000	6,700	6,200	3.8	860
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	NA	6,200
	4/19/2012	NA	NA	NA	NA	NA	NA	NA	0.77	17.9	6.67	7,377	NA	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	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	NA	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	NA	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	3,400	1.8	10,000
	8/29/2014	<0.5	<0.5	<0.5	<1.0	<0.5	<50	1,200	NM	23.8	6.61	12,810	<0.5	<0.5	2,400	<230	350,000	<1,000	1,100	54,000	3,500	1.1	10,000
	2/5/2015	<0.50	<0.50	<0.50	<1.0	<0.50	71	***5,000***	NM	13.8	6.52	11,860	<0.50	<0.50	4,700	<230	230,000	<1,000	<1,000	65,000	3,600	1.0	**6,100**

Notes:
1. **Bold values indicate analytical detections above drinking water but below non-drinking water ESL.**
2. **Bold and *italicized* values indicate analytical detections above non-drinking water ESL.**
3. Shading = most recent groundwater monitoring data
4. Results collected between 8/28/90 and 12/28/95 are based on prior reporting by Geraghty & Miller, Inc. (1990).
5. The 9/96 and 10/96 Blasland, Bouck & Lee, Inc. reports revealed concentrations reported as TPH as diesel did not resemble the diesel chromatogram standard, containing > C26.
6. ESLs = Regional Water Quality Control Board Environmental Screening Levels for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - December 2013, San Francisco Bay Region, California.
7. Naphthalene results prior to 2014 reported from U.S. Environmental Protection Agency (USEPA) Method 8260 results; 2014 and 2015 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.

-- = no data
< = less than
> = greater than
1,2-DCA = 1,2-dichloroethane
°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
TDS = total dissolved solid
TPH = total petroleum hydrocarbon
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

CITY:TMAPA,FL DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\TAMPA\ACTIB\0038398 UPS Oakland\2015\0021.003001\1st SA GMR 2015\B0038398N01.dwg LAYOUT: 1 SAVED: 9/15/2015 12:49 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/15/2015 12:50 PM BY: RICHARDS, JIM
XREFS: IMAGES: PROJECTNAME: ---
UPS-OAK.bmp

LEGEND

AREA OF CONCERN

PROPERTY BOUNDARY

UST – UNDERGROUND STORAGE TANK

0 200' 400'

GRAPHIC SCALE

SOURCE: AERIAL PHOTOGRAPH 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\00038398 UPS Oakland\2015\0021.00300\1st SA GMR 2015\B0038398N02.dwg LAYOUT: 2 SAVED: 8/28/2015 10:29 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/15/2015 12:51 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

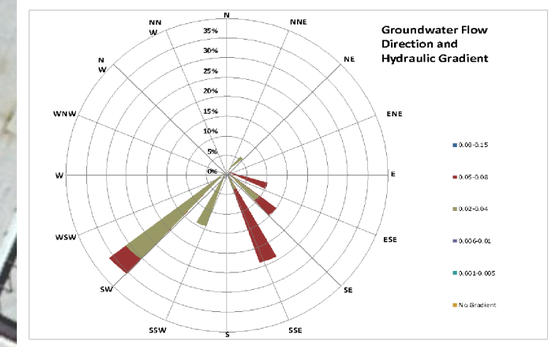
SITE MAP

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
- 4.5 — WATER-TABLE ELEVATION CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL = 1.0 FOOT
- (5.02) WATER-TABLE ELEVATION (FEET ABOVE SEA LEVEL)
- APPARENT DIRECTION OF GROUNDWATER FLOW



0 50' 100'

GRAPHIC SCALE

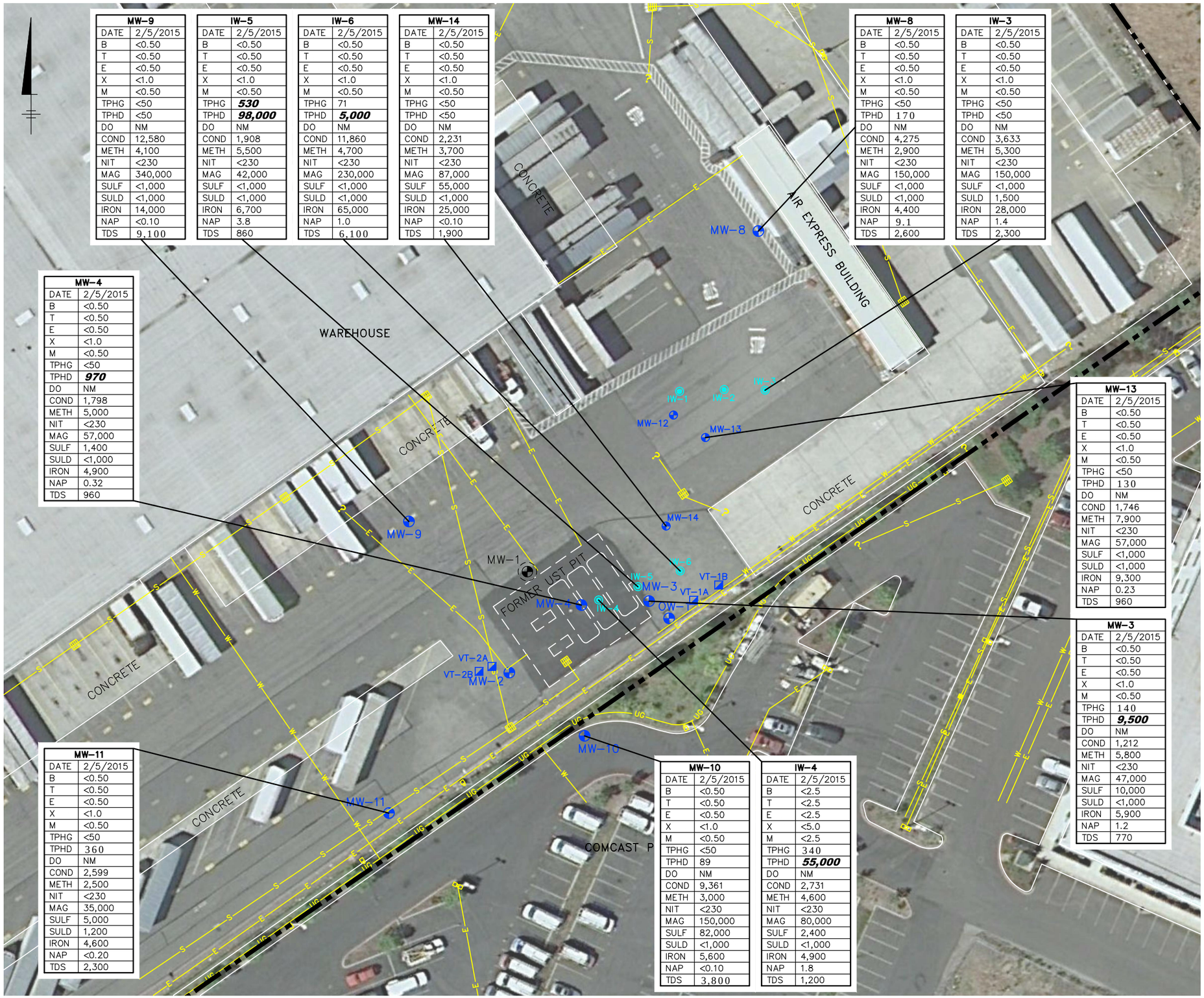
UPS-OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

GROUNDWATER CONTOUR MAP FEBRUARY 5, 2015

ARCADIS

FIGURE 4

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* G:\ENVCAD\TAMPA\ACTIVE\00038398 UPS Oakland\2015\0021.003\001st SA GMR 2015\B0038398_21_300-B01.dwg LAYOUT: 4 SAVED: 8/28/2015 10:36 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 8/28/2015 10:39 AM BY: RICHARDS, JIM



LEGEND

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

SAMPLE LOCATION	
DATE	SAMPLE DATE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER
TPHG	TOTAL PETROLEUM HYDROCARBON AS GASOLINE
TPHD	TOTAL PETROLEUM HYDROCARBON AS 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 PER CENTIMETER (µS/cm)

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

BOLD VALUES INDICATE ANALYTICAL DETECTIONS ABOVE DRINKING WATER BUT BELOW NON-DRINKING WATER ENVIRONMENTAL SCREENING LEVELS (ESLs)

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

NS = NOT SAMPLED

NM = NOT MEASURED

0 50' 100'

GRAPHIC SCALE

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

GROUNDWATER QUALITY MAP
FEBRUARY 5, 2015

ARCADIS

FIGURE
5

ARCADIS

Attachment 1

Field Data Sheets

WELL GAUGING DATA

Project # 150205 - GR1 Date 02/05/2015 Client Arcadis

Site UPS @ 8400 Pardee Dr. - Oakland, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-2	0850	4	Sheen/odor	4.60	0.01	25	4.61	—		
MW-3	0901	4		—	—	—	4.22	14.56		
MW-4	0853	2		—	—	—	4.03	15.79		
MW-8	0825	2		—	—	—	3.36	12.20		
MW-9	0831	2		—	—	—	6.00	13.33		
MW-10	1307	2		—	—	—	8.23	12.33		
MW-11	0838	2		—	—	—	5.69	12.51		
MW-12	0849	2	Sheen	4.76	0.11	66	4.87	—		
MW-13	0840	2		—	—	—	4.12	8.98		
MW-14	0853	2		—	—	—	3.29	9.12		
OW-1	0902	6	Sheen	7.42	0.07	390	7.49	—		
IW-1	0844	2	Sheen	4.83	0.32	194	5.15	—		
IW-2	0836	2	Sheen	4.66	0.01	6	4.67	—		
IW-3	0830	2	—	—	—	—	4.37	9.11		
IW-4	0856	2		—	—	—	4.22	9.66		
IW-5	0859	2		—	—	—	4.31	9.28		
IW-6	0858	2		—	—	—	3.70	9.27		

WELL MONITORING DATA SHEET

Project #: 150205 - GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.61
Depth to Free Product: 4.60	Thickness of Free Product (feet): 0.01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	0.01 ft of	SPH	detected w/ interface probe			
*	~ 25	ml of	SPH	Removed w/ Masterflex & ~ 200 ml of H_2O		
*	0 ml	of	SPH	removed from skimmer		
*	0 ml	of	H_2O	removed from skimmer		
*	Replaced skimmer as found					

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Date: — Sampling Time: — Depth to Water:

Sample I.D.: — Laboratory: Kiff CalScience Other ___

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.56	Depth to Water (DTW): 4.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.29	

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

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

6.7 (Gals.) X 3 = 20.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1049	18.9	6.75	1993	42	7.0	
1050		well	dewatered	@	9.5	
1425	18.4	6.89	1212	104	Grab	

Did well dewater? (Yes) No Gallons actually evacuated: 9.5

Sampling Date: 02/05/15 Sampling Time: 1425 Depth to Water: 4.43

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 15.79	Depth to Water (DTW): 4.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.38	

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

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

1.9 (Gals.) X	3	=	5.7 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 or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1115	18.1	7.12	1831	437	2.0	Sheen
1118	18.4	7.06	1824	243	4.0	
1121	18.2	7.07	1798	169	6.0	DTW - 4.09

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

Sampling Date: 02/05/2015 Sampling Time: 1125 Depth to Water: 4.09

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.20	Depth to Water (DTW): 3.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.12	

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

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

1.5 (Gals.) X 3 = 4.5 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0940	58.4	6.92	4252	60	1.5	
0942	59.9	6.88	4278	36	3.0	
———	WELL	DEWATERED	@ 3	GALLONS	———	
1300	60.6	7.01	4275	187		

Did well dewater? Yes No Gallons actually evacuated: 3

Sampling Date: 2/5/15 Sampling Time: 1300 Depth to Water: 4.82

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150235-GR1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 13.33	Depth to Water (DTW): 6.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.47	

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

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

1.5 (Gals.) X	3	=	4.5 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1050	60.5	6.78	12.51	82	1.5	
1052	62.0	6.71	12.58	64	3.0	
———	———	WELL	DEWATERED	@ 3.5	GALLONS	———
1450	61.4	6.98	12.58	94	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.5

Sampling Date: 2/5/15 Sampling Time: 1450 Depth to Water: 9.96 (>2HR)

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205 -GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.33	Depth to Water (DTW): 8.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.05	

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

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

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

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1313	19.2	6.93	11.06 mS	30	0.75	
1315	19.4	6.95	9489	31	1.5	
1317	19.5	6.96	9405	36	2.25	
1319	19.5	6.98	9361	40	3.0	DTW - 8.94

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

Sampling Date: 02/05/2015 Sampling Time: 1325 Depth to Water: 8.94

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205 - GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.57	Depth to Water (DTW): 5.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.05	

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

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

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

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1020	18.0	6.47	2356	>1000	1.0	
1023	18.4	6.69	2515	>1000	2.0	
1025	18.9	6.75	2599	>1000	3.0	DTW - 10.14

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

Sampling Date: 02/05/2015 Sampling Time: 1355 Depth to Water: 9.25 (>2hrs)

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205 - GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.87
Depth to Free Product: 4.76	Thickness of Free Product (feet): 0.11
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ____

— (Gals.) X — = — Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	~ 0.11 ft. of SPH detected w/ interface probe					
*	~ 66 ml of SPH removed w/ masterflex					
*	~ 350 ml of H_2O removed w/ masterflex					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: MW1-13	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 8.98	Depth to Water (DTW): 4.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.09	

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

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

1 (Gals.) X 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1007	58.9	7.38	1726	340	1	
—	—	WELL	DEWATERED	@ 1	GALLON	—
1350	59.9	7.57	1746	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1

Sampling Date: 2/5/15 Sampling Time: 1350 Depth to Water: 4.90

Sample I.D.: MW-13 Laboratory: Kiff CalScience (Other) TA

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.12	Depth to Water (DTW): 3.29
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.45	

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

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

1 (Gals.) X 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1020	55.6	7.44	2031	540	1	
		WELL DEWATERED @ 1.5 GALLONS				
1420	57.8	7.18	2231	>1000	—	

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

Sampling Date: 2/5/15 Sampling Time: 1420 Depth to Water: 4.21

Sample I.D.: MW-14 Laboratory: Kiff CalScience (Other) TA

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 7.49
Depth to Free Product: 7.42	Thickness of Free Product (feet): 0.07
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	0.07	ft of	SPH detected w/ interface probe			
*	~ 5	ml of	SPH removed from skimmer +			~ 10 ml of H_2O
*	Replaced	Skimmer as found				
+	~ 55	ml	of SPH removed w/	master flex		
*	~ 750	ml	of H_2O removed w/	master flex		

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Date: — Sampling Time: — Depth to Water:

Sample I.D.: — Laboratory: Kiff CalScience Other ___

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: IW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 5.15
Depth to Free Product: 4.83	Thickness of Free Product (feet): 0.32
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ___

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

— (Gals.) X — = — Gals.
1 Case Volume / Specified Volumes / Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	0.32	ft	of SPH	detected	w/ Interface	probe
*	~194	ml	of SPH	removed	w/	masterflex
*	~650	ml	of SPH	removed	w/ masterflex	

Did well dewater? Yes No		Gallons actually evacuated:
Sampling Date:	Sampling Time:	Depth to Water:
Sample I.D.:	Laboratory: Kiff CalScience Other ___	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
EB I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:		
D.O. (if req'd): Pre-purge: mg/L	Post-purge: mg/L	
O.R.P. (if req'd): Pre-purge: mV	Post-purge: mV	

WELL MONITORING DATA SHEET

Project #: 150205-6R1	Client: Arcadis
Sampler: GR	Date: 02/05/2015
Well I.D.: IW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.67
Depth to Free Product: 4.66	Thickness of Free Product (feet): 0.01
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ___

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
*	0.01 ft of SPH detected w/ interface probe					
*	~6 ml of SPH removed w/ masterflex					
*	~150 ml of H_2O removed w/ masterflex					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: ARCADES
Sampler: LB	Date: 2/5/15
Well I.D.: IW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.11	Depth to Water (DTW): 4.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.31	

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

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

1 (Gals.) X 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0954	58.6	7.05	3649	809	1	
—	—	WELL	DEWATERED @	1	GALLON	←
1330	60.2	7.14	3633	>1000	—	

Did well dewater? (Yes) No Gallons actually evacuated: 1

Sampling Date: 2/5/15 Sampling Time: 1330 Depth to Water: 5.05

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205 - 6R1	Client: Arcadis
Sampler: ~~CR~~ LB	Date: 02/05/2015
Well I.D.: IW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.66	Depth to Water (DTW): 4.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.31	

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

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

0.9 (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 or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1133	57.7	7.86	2797	>1000	1.0	
1135	58.4	7.40	2734	>1000	2.0	
1137	58.6	7.36	2731	>1000	3.0	

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

Sampling Date: 02/05/2015 Sampling Time: 1140 Depth to Water: 4.19

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-6R1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: IW-5	Well Diameter: Ø 3 4 6 8 ____
Total Well Depth (TD): 9.28	Depth to Water (DTW): 4.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.30	

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

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

1 (Gals.) X 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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1512	58.6	7.39	1913	>1000	1	
1514	59.4	7.28	1911	>1000	2	
1516	60.2	7.24	1908	>1000	3	

Did well dewater? Yes No Gallons actually evacuated: 3

Sampling Date: 2/5/15 Sampling Time: 1520 Depth to Water: 5.19

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

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

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

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

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

WELL MONITORING DATA SHEET

Project #: 150205-GR1	Client: ARCADIS
Sampler: LB	Date: 2/5/15
Well I.D.: TW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.27	Depth to Water (DTW): 3.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.81	

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

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

1	(Gals.) X	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 or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1029	56.5	6.87	7770	812	1	
1031	57.7	6.72	7935	>1000	2	
____	____	WELL	DEWATERED	@ 2	GALLONS	____
1450	56.9	6.52	11.86ms	491	Grab	

Did well dewater? Yes No Gallons actually evacuated: 2

Sampling Date: 2/5/15 Sampling Time: 1450 Depth to Water: 3.81

Sample I.D.: TW-6 Laboratory: Kiff CalScience Other TA

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

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

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

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

WELLHEAD INSPECTION CHECKLIST

Client Arcadis Date 02/03/2015

Site Address UPS @ 8400 Pardee Dr. - Oakland, CA

Job Number 150205-GR1 Technician GR

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					NL			
MW-3					NL			
MW-4					NL			
MW-8					NL	X		
MW-9					NL			
MW-10					NL			
MW-11					NL			
MW-12					NL	X		
MW-13					NL	X		
MW-14					NL			
OW-1					NL			
IW-1					NL	X		
IW-2					NL	X		
IW-3					NL	X		
IW-4					NL	X		
IW-5					NL			

NOTES: IW-4 = 2/2 bolts missing; MW-8 = 2/2 tabs Stripped; IW-3 = 2/2 tabs stripped; IW-2 = 2/2 tabs Stripped; IW-1 = 2/2 tabs Stripped; MW-12 = 2/2 tabs Stripped; MW-13 = 2/2 tabs Stripped

WELLHEAD INSPECTION CHECKLIST

Client Arcadis Date 02/05/2015

Site Address UPS @ 8400 Pardee Dr. - Oakland, CA

Job Number 150205-GR1 Technician GR

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					NL			

NOTES:

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 150205-GR1

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 ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

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 #
TB-1	02/05/15	0900	W	4	VOAs		X											
MW-3		1425	W	14	Mixed		X	X	X	X	X	X	X	X				
MW-4		1125	W	14			X	X	X	X	X	X	X	X				
MW-8		1300	W	14			X	X	X	X	X	X	X	X				
MW-9		1450	W	14			X	X	X	X	X	X	X	X				
MW-10		1325	W	14			X	X	X	X	X	X	X	X				
MW-11		1355	W	14			X	X	X	X	X	X	X	X				
MW-13		1350	W	14			X	X	X	X	X	X	X	X				
MW-14		1420	W	14			X	X	X	X	X	X	X	X				
IW-3		1330	W	14			X	X	X	X	X	X	X	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	02/05/15	1530	Gregory Roberts, Lee Burres	Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	02/05/15	1715	[signature]	2-5-15	1715
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

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 # 150205-CR21

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 ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	mixed	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 #
IW-4	02/05/15	1140	W	14			X	X	X	X	X	X	X	X				
IW-5	↓	1520	W	14	↓		X	X	X	X	X	X	X	X				
IW-6	↓	1450	W	14	↓		X	X	X	X	X	X	X	X				

SAMPLING COMPLETED: DATE 02/05/15 TIME 1530
SAMPLING PERFORMED BY: Gregory Roberts, Lee Bures

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	02/05/15	1715		2.5.15	1715
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	Arcadis @ UPS 8400 Pardee Dr. - Oakland, CA	PROJECT NUMBER	150205-GR1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron L Ultrameter II	6219985	02/05/2015 @ 0915	3900 µs cond	3901 µs	yes	12.6°C	GR
			7.0 10.0 4.0 pH	7.0 10.0 3.99	yes	12.2°C	GR

ARCADIS

Attachment 2

SOS® Passive Skimmers
Specifications

SOS® Passive Skimmers

For Low Recovery Wells

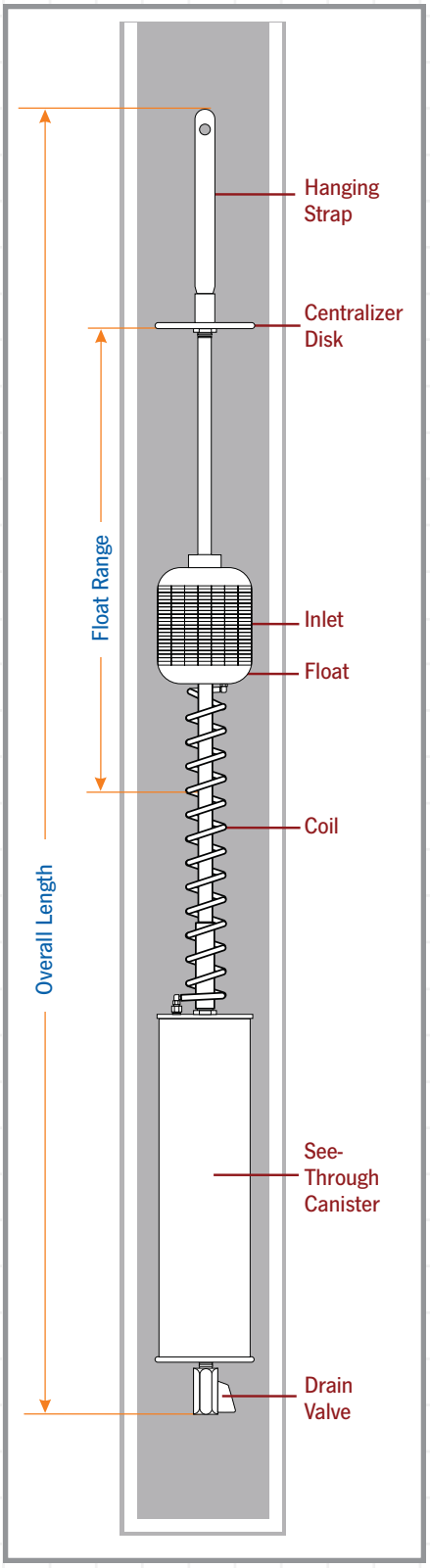
The QED family of Passive Skimmers has been designed for free product recovery applications in sites where active pumping systems are not applicable due to existing conditions or extreme low permeability formations. The floating intake head follows the groundwater fluctuations in the recovery well, allowing 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 3

Laboratory Analytical Results and Chain-of-Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

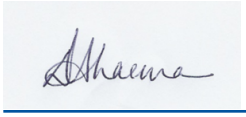
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-62802-1
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:
2/12/2015 5:14:10 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-62802-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-62802-1

Comments
No additional comments.

Receipt
The samples were received on 2/5/2015 7:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 0.8º C, 0.9º C, 1.3º C, 1.5º C, 2.4º C and 2.5º C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. 1,2-DCS logged as 1,2-DCA. Total Diss. Fe,Mn (Field Filtered) logged as Dissolved Fe, Mn. Logged Magnesium as Total Mg.
PAH logged as PAH by 8270SIM.

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-3 (720-62802-10), MW-8 (720-62802-4), MW-9 (720-62802-5).

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

GC/MS Semi VOA
Method 8270C SIM: Surrogate recovery (terphenyl-d14) for the following sample was outside control limits: IW-6 (720-62802-13), MW-14 (720-62802-9), IW-5 (720-62802-12). 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-11 (720-62802-7), IW-5 (720-62802-12). Elevated reporting limits (RLs) are provided.

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

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

GC Semi VOA
Method 8015B: The Diesel Range Organics (DRO) concentration reported for the following sample is due to the presence of discrete peaks: MW-10 (720-62802-6).

Method 8015B: The following sample required a dilution due to the nature of the sample matrix: IW-4 (720-62802-11), IW-5 (720-62802-12). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

Metals
Method 6010B: 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: (720-62802-4 MS), (720-62802-4 MSD), IW-3 (720-62802-10), IW-6 (720-62802-13), MW-8 (720-62802-4), MW-9 (720-62802-5). The sample(s) was preserved to the appropriate pH in the laboratory. Added 1mL HNO3 @ 08:34 on 02/09/15; ref #: 175473. Prepped @ 14:59 on 02/10/15.

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

General Chemistry

Job ID: 720-62802-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

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

Organic Prep

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

Detection Summary

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: TB-1 — Lab Sample ID: 720-62802-1

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 720-62802-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.2		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	140		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.82		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.0		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.67		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	5.2		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	4.0		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.27		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.10		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.19		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	5.8		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	9500		100		ug/L	2		8015B	Silica Gel Cleanup
Magnesium	47		0.20		mg/L	1		6010B	Total/NA
Iron	5.9		0.50		mg/L	1		6010B	Dissolved
Manganese	5.8		0.020		mg/L	1		6010B	Dissolved
Sulfate	10		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	770		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 720-62802-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.32		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.88		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.40		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	2.5		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.14		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	5.0		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	970		50		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	57		0.20		mg/L	1		6010B	Total/NA
Iron	4.9		0.50		mg/L	1		6010B	Dissolved
Manganese	7.7		0.020		mg/L	1		6010B	Dissolved
Sulfate	1.4		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	960		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 720-62802-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	7.5		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	9.1		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.86		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.31		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	2.9		1.0		mg/L	1		RSK-175	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-8 (Continued) — Lab Sample ID: 720-62802-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	170		50		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	4.4		0.50		mg/L	1		6010B	Dissolved
Manganese	3.2		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	2600		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 720-62802-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	4.1		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	340		0.20		mg/L	1		6010B	Total/NA
Iron	14		0.50		mg/L	1		6010B	Dissolved
Manganese	4.5		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	9100		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 720-62802-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	3.0		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	89		49		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	5.6		0.50		mg/L	1		6010B	Dissolved
Manganese	5.6		0.020		mg/L	1		6010B	Dissolved
Sulfate	82		10		mg/L	10		300.0	Total/NA
Total Dissolved Solids	3800		17		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 720-62802-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane (TCD)	2.5		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	360		51		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	35		0.20		mg/L	1		6010B	Total/NA
Iron	4.6		1.0		mg/L	2		6010B	Dissolved
Manganese	0.51		0.040		mg/L	2		6010B	Dissolved
Sulfate	5.0		1.0		mg/L	1		300.0	Total/NA
Total Dissolved Solids	2300		10		mg/L	1		SM 2540C	Total/NA
Sulfide	1.2		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 720-62802-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.23		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.15		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.24		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	7.9		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	130		50		ug/L	1		8015B	Silica Gel Cleanup
Magnesium	57		0.20		mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-13 (Continued) — Lab Sample ID: 720-62802-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	9.3		0.50		mg/L	1		6010B	Dissolved
Manganese	2.6		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	960		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 720-62802-9

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
Magnesium	87		0.20		mg/L	1		6010B	Total/NA
Iron	25		0.50		mg/L	1		6010B	Dissolved
Manganese	2.5		0.020		mg/L	1		6010B	Dissolved
Sulfate	55		10		mg/L	10		300.0	Total/NA
Total Dissolved Solids	1900		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-3 — Lab Sample ID: 720-62802-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.4		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.3		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.92		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.61		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	5.3		1.0		mg/L	1		RSK-175	Total/NA
Magnesium	150		0.20		mg/L	1		6010B	Total/NA
Iron	28		0.50		mg/L	1		6010B	Dissolved
Manganese	4.1		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	2300		10		mg/L	1		SM 2540C	Total/NA
Sulfide	1.5		1.0		mg/L	1		SM 4500 S2 F	Total/NA

Client Sample ID: IW-4 — Lab Sample ID: 720-62802-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	340		250		ug/L	5		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.8		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.1		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	2.0		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	5.2		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	3.0		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.33		0.10		ug/L	1		8270C SIM	Total/NA
Chrysene	0.13		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.35		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.52		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.6		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	55000		1000		ug/L	20		8015B	Silica Gel Cleanup
Magnesium	80		0.20		mg/L	1		6010B	Total/NA
Iron	4.9		0.50		mg/L	1		6010B	Dissolved
Manganese	7.3		0.020		mg/L	1		6010B	Dissolved
Sulfate	2.4		1.0		mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-4 (Continued) — Lab Sample ID: 720-62802-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-5 — Lab Sample ID: 720-62802-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	530		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	3.8		1.0		ug/L	10		8270C SIM	Total/NA
Acenaphthene	2.7		1.0		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	7.4		1.0		ug/L	10		8270C SIM	Total/NA
Fluorene	19		1.0		ug/L	10		8270C SIM	Total/NA
Phenanthrene	19		1.0		ug/L	10		8270C SIM	Total/NA
Fluoranthene	1.0		1.0		ug/L	10		8270C SIM	Total/NA
Pyrene	2.0		1.0		ug/L	10		8270C SIM	Total/NA
Methane (TCD)	5.5		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	98000		2600		ug/L	50		8015B	Silica Gel Cleanup
Magnesium	42		0.20		mg/L	1		6010B	Total/NA
Iron	6.7		0.50		mg/L	1		6010B	Dissolved
Manganese	6.2		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	860		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 720-62802-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	71		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.0		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.67		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.59		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	2.9		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Methane (TCD)	4.7		1.0		mg/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	5000		100		ug/L	2		8015B	Silica Gel Cleanup
Magnesium	230		0.20		mg/L	1		6010B	Total/NA
Iron	65		0.50		mg/L	1		6010B	Dissolved
Manganese	3.6		0.020		mg/L	1		6010B	Dissolved
Total Dissolved Solids	6100		33		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: TB-1
Date Collected: 02/05/15 09:00
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-1
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			02/09/15 12:47	1
Benzene	ND		0.50		ug/L			02/09/15 12:47	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 12:47	1
Naphthalene	ND		1.0		ug/L			02/09/15 12:47	1
Toluene	ND		0.50		ug/L			02/09/15 12:47	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 12:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 12:47	1
EDB	ND		0.50		ug/L			02/09/15 12:47	1
1,2-DCA	ND		0.50		ug/L			02/09/15 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/09/15 12:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*		*02/09/15 12:47*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/09/15 12:47*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-3
Date Collected: 02/05/15 14:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-2
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			02/09/15 13:16	1
Benzene	ND		0.50		ug/L			02/09/15 13:16	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 13:16	1
Naphthalene	**1.2**		1.0		ug/L			02/09/15 13:16	1
Toluene	ND		0.50		ug/L			02/09/15 13:16	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 13:16	1
Gasoline Range Organics (GRO) -C5-C12	**140**		50		ug/L			02/09/15 13:16	1
1,2-DCA	ND		0.50		ug/L			02/09/15 13:16	1
EDB	ND		0.50		ug/L			02/09/15 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/09/15 13:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*		*02/09/15 13:16*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/09/15 13:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.82**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Acenaphthene	**1.0**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Acenaphthylene	**0.67**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Fluorene	**5.2**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Phenanthrene	**4.0**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Anthracene	**0.27**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Fluoranthene	**0.10**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Pyrene	**0.19**		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*29 - 120*	*02/09/15 15:21*	*02/11/15 22:09*	*1*
Terphenyl-d14	*46*		*45 - 120*	*02/09/15 15:21*	*02/11/15 22:09*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.8**		1.0		mg/L			02/10/15 13:32	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]	**9500**		100		ug/L		02/09/15 10:37	02/10/15 13:29	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 13:29*	*2*
p-Terphenyl	*80*		*31 - 150*	*02/09/15 10:37*	*02/10/15 13:29*	*2*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-3
Date Collected: 02/05/15 14:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**47**		0.20		mg/L		02/07/15 12:18	02/11/15 16:37	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**5.9**		0.50		mg/L		02/09/15 09:59	02/09/15 18:14	1
Manganese	**5.8**		0.020		mg/L		02/09/15 09:59	02/09/15 18:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/15 23:21	1
Sulfate	**10**		1.0		mg/L			02/05/15 23:21	1
Total Dissolved Solids	**770**		10		mg/L			02/08/15 23:08	1
Sulfide	ND		1.0		mg/L			02/10/15 00:12	1

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-4
Date Collected: 02/05/15 11:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-3
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			02/09/15 14:44	1
Benzene	ND		0.50		ug/L			02/09/15 14:44	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 14:44	1
Naphthalene	ND		1.0		ug/L			02/09/15 14:44	1
Toluene	ND		0.50		ug/L			02/09/15 14:44	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 14:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 14:44	1
1,2-DCA	ND		0.50		ug/L			02/09/15 14:44	1
EDB	ND		0.50		ug/L			02/09/15 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*02/09/15 14:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*02/09/15 14:44*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 14:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.32**		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Acenaphthene	**0.88**		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Acenaphthylene	**0.40**		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Fluorene	**2.5**		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Phenanthrene	**0.14**		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*29 - 120*	*02/09/15 15:21*	*02/11/15 22:32*	*1*
Terphenyl-d14	*71*		*45 - 120*	*02/09/15 15:21*	*02/11/15 22:32*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.0**		1.0		mg/L			02/10/15 13:47	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]	**970**		50		ug/L		02/09/15 10:37	02/10/15 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 11:43*	*1*
p-Terphenyl	*80*		*31 - 150*	*02/09/15 10:37*	*02/10/15 11:43*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-4
Date Collected: 02/05/15 11:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-3
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**57**		0.20		mg/L		02/07/15 12:18	02/11/15 16:43	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.9**		0.50		mg/L		02/09/15 09:59	02/09/15 18:29	1
Manganese	**7.7**		0.020		mg/L		02/09/15 09:59	02/09/15 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 01:03	1
Sulfate	**1.4**		1.0		mg/L			02/06/15 01:03	1
Total Dissolved Solids	**960**		10		mg/L			02/08/15 23:10	1
Sulfide	ND		1.0		mg/L			02/10/15 00:15	1

Client Sample ID: MW-8
Date Collected: 02/05/15 13:00
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-4
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			02/09/15 15:14	1
Benzene	ND		0.50		ug/L			02/09/15 15:14	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 15:14	1
Naphthalene	**7.5**		1.0		ug/L			02/09/15 15:14	1
Toluene	ND		0.50		ug/L			02/09/15 15:14	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 15:14	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 15:14	1
1,2-DCA	ND		0.50		ug/L			02/09/15 15:14	1
EDB	ND		0.50		ug/L			02/09/15 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*67 - 130*		*02/09/15 15:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/09/15 15:14*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 15:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**9.1**		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Acenaphthene	**0.86**		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Fluorene	**0.31**		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*29 - 120*	*02/09/15 15:21*	*02/11/15 22:55*	*1*
Terphenyl-d14	*67*		*45 - 120*	*02/09/15 15:21*	*02/11/15 22:55*	*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			02/10/15 14:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**170**		50		ug/L		02/09/15 10:37	02/10/15 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 01:31*	*1*
p-Terphenyl	*101*		*31 - 150*	*02/09/15 10:37*	*02/10/15 01:31*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-8
Date Collected: 02/05/15 13:00
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-4
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	150		0.20		mg/L		02/07/15 12:18	02/11/15 16:58	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	4.4		0.50		mg/L		02/10/15 14:59	02/11/15 13:54	1
Manganese	3.2		0.020		mg/L		02/10/15 14:59	02/11/15 13:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 01:38	1
Sulfate	ND		1.0		mg/L			02/06/15 01:38	1
Total Dissolved Solids	2600		10		mg/L			02/08/15 23:13	1
Sulfide	ND		1.0		mg/L			02/11/15 01:14	1

Client Sample ID: MW-9
Date Collected: 02/05/15 14:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-5
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			02/09/15 16:12	1
Benzene	ND		0.50		ug/L			02/09/15 16:12	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 16:12	1
Naphthalene	ND		1.0		ug/L			02/09/15 16:12	1
Toluene	ND		0.50		ug/L			02/09/15 16:12	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 16:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 16:12	1
1,2-DCA	ND		0.50		ug/L			02/09/15 16:12	1
EDB	ND		0.50		ug/L			02/09/15 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*02/09/15 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*		*02/09/15 16:12*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 16:12*	*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		02/09/15 15:21	02/11/15 23:18	1
Acenaphthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Fluorene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*29 - 120*	*02/09/15 15:21*	*02/11/15 23:18*	*1*
Terphenyl-d14	*75*		*45 - 120*	*02/09/15 15:21*	*02/11/15 23:18*	*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			02/10/15 14:19	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]	ND		50		ug/L		02/09/15 10:37	02/10/15 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 01:55*	*1*
p-Terphenyl	*90*		*31 - 150*	*02/09/15 10:37*	*02/10/15 01:55*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-9
Date Collected: 02/05/15 14:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-5
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	340		0.20		mg/L		02/07/15 12:18	02/11/15 17:03	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	14		0.50		mg/L		02/10/15 14:59	02/11/15 14:00	1
Manganese	4.5		0.020		mg/L		02/10/15 14:59	02/11/15 14:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 02:12	1
Sulfate	ND		1.0		mg/L			02/06/15 02:12	1
Total Dissolved Solids	9100		50		mg/L			02/10/15 04:09	1
Sulfide	ND		1.0		mg/L			02/11/15 01:17	1

Client Sample ID: MW-10
Date Collected: 02/05/15 13:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-6
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			02/09/15 16:41	1
Benzene	ND		0.50		ug/L			02/09/15 16:41	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 16:41	1
Naphthalene	ND		1.0		ug/L			02/09/15 16:41	1
Toluene	ND		0.50		ug/L			02/09/15 16:41	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 16:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 16:41	1
1,2-DCA	ND		0.50		ug/L			02/09/15 16:41	1
EDB	ND		0.50		ug/L			02/09/15 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*02/09/15 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*02/09/15 16:41*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 16:41*	*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		02/09/15 15:21	02/11/15 23:41	1
Acenaphthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Fluorene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*29 - 120*	*02/09/15 15:21*	*02/11/15 23:41*	*1*
Terphenyl-d14	*64*		*45 - 120*	*02/09/15 15:21*	*02/11/15 23:41*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**3.0**		1.0		mg/L			02/10/15 14:32	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]	**89**		49		ug/L		02/09/15 10:37	02/10/15 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 02:19*	*1*
p-Terphenyl	*95*		*31 - 150*	*02/09/15 10:37*	*02/10/15 02:19*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-10
Date Collected: 02/05/15 13:25
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-6
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**150**		0.20		mg/L		02/07/15 12:18	02/11/15 17:09	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**5.6**		0.50		mg/L		02/09/15 09:59	02/09/15 18:35	1
Manganese	**5.6**		0.020		mg/L		02/09/15 09:59	02/09/15 18:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 02:46	1
Sulfate	**82**		10		mg/L			02/06/15 03:03	10
Total Dissolved Solids	**3800**		17		mg/L			02/10/15 04:13	1
Sulfide	ND		1.0		mg/L			02/11/15 01:19	1

Client Sample ID: MW-11
Date Collected: 02/05/15 13:55
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-7
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			02/09/15 17:10	1
Benzene	ND		0.50		ug/L			02/09/15 17:10	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 17:10	1
Naphthalene	ND		1.0		ug/L			02/09/15 17:10	1
Toluene	ND		0.50		ug/L			02/09/15 17:10	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 17:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 17:10	1
1,2-DCA	ND		0.50		ug/L			02/09/15 17:10	1
EDB	ND		0.50		ug/L			02/09/15 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*02/09/15 17:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*		*02/09/15 17:10*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*02/09/15 17:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Acenaphthene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Acenaphthylene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Fluorene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Phenanthrene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Anthracene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Benzo[a]anthracene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Chrysene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Benzo[a]pyrene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Benzo[b]fluoranthene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Benzo[k]fluoranthene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Benzo[g,h,i]perylene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Indeno[1,2,3-cd]pyrene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Fluoranthene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Pyrene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2
Dibenz(a,h)anthracene	ND		0.20		ug/L		02/09/15 15:21	02/12/15 06:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*29 - 120*	*02/09/15 15:21*	*02/12/15 06:11*	*2*
Terphenyl-d14	*53*		*45 - 120*	*02/09/15 15:21*	*02/12/15 06:11*	*2*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**2.5**		1.0		mg/L			02/10/15 14:47	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]	**360**		51		ug/L		02/09/15 10:37	02/10/15 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 12:07*	*1*
p-Terphenyl	*80*		*31 - 150*	*02/09/15 10:37*	*02/10/15 12:07*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-11
Date Collected: 02/05/15 13:55
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-7
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	35		0.20		mg/L		02/07/15 12:18	02/11/15 17:14	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	4.6		1.0		mg/L		02/09/15 09:59	02/10/15 14:48	2
Manganese	0.51		0.040		mg/L		02/09/15 09:59	02/10/15 14:48	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 03:20	1
Sulfate	5.0		1.0		mg/L			02/06/15 03:20	1
Total Dissolved Solids	2300		10		mg/L			02/10/15 04:18	1
Sulfide	1.2		1.0		mg/L			02/11/15 01:22	1

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-13
Date Collected: 02/05/15 13:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-8
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			02/09/15 17:39	1
Benzene	ND		0.50		ug/L			02/09/15 17:39	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 17:39	1
Naphthalene	ND		1.0		ug/L			02/09/15 17:39	1
Toluene	ND		0.50		ug/L			02/09/15 17:39	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 17:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 17:39	1
1,2-DCA	ND		0.50		ug/L			02/09/15 17:39	1
EDB	ND		0.50		ug/L			02/09/15 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*02/09/15 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*72 - 130*		*02/09/15 17:39*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/09/15 17:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.23**		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Acenaphthene	**0.15**		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Fluorene	**0.24**		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*02/09/15 15:21*	*02/12/15 00:04*	*1*
Terphenyl-d14	*56*		*45 - 120*	*02/09/15 15:21*	*02/12/15 00:04*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**7.9**		1.0		mg/L			02/10/15 15:06	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]	**130**		50		ug/L		02/09/15 10:37	02/10/15 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 03:31*	*1*
p-Terphenyl	*91*		*31 - 150*	*02/09/15 10:37*	*02/10/15 03:31*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-13
Date Collected: 02/05/15 13:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-8
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**57**		0.20		mg/L		02/07/15 12:18	02/11/15 17:20	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**9.3**		0.50		mg/L		02/09/15 09:59	02/09/15 18:45	1
Manganese	**2.6**		0.020		mg/L		02/09/15 09:59	02/09/15 18:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 04:28	1
Sulfate	ND		1.0		mg/L			02/06/15 04:28	1
Total Dissolved Solids	**960**		10		mg/L			02/10/15 04:32	1
Sulfide	ND		1.0		mg/L			02/11/15 01:25	1

Client Sample ID: MW-14
Date Collected: 02/05/15 14:20
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-9
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		0.50		ug/L			02/09/15 18:09	1
Benzene	ND		0.50		ug/L			02/09/15 18:09	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 18:09	1
Naphthalene	ND		1.0		ug/L			02/09/15 18:09	1
Toluene	ND		0.50		ug/L			02/09/15 18:09	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 18:09	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 18:09	1
1,2-DCA	ND		0.50		ug/L			02/09/15 18:09	1
EDB	ND		0.50		ug/L			02/09/15 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/09/15 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*02/09/15 18:09*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/09/15 18:09*	*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		02/09/15 15:21	02/12/15 00:27	1
Acenaphthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Fluorene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*40*		*29 - 120*	*02/09/15 15:21*	*02/12/15 00:27*	*1*
Terphenyl-d14	*28*	*X*	*45 - 120*	*02/09/15 15:21*	*02/12/15 00:27*	*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			02/10/15 15:19	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]	ND		50		ug/L		02/09/15 10:37	02/10/15 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 02:43*	*1*
p-Terphenyl	*85*		*31 - 150*	*02/09/15 10:37*	*02/10/15 02:43*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: MW-14
Date Collected: 02/05/15 14:20
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-9
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**87**		0.20		mg/L		02/07/15 12:18	02/11/15 17:25	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**25**		0.50		mg/L		02/09/15 09:59	02/09/15 18:51	1
Manganese	**2.5**		0.020		mg/L		02/09/15 09:59	02/09/15 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 05:03	1
Sulfate	**55**		10		mg/L			02/06/15 05:20	10
Total Dissolved Solids	**1900**		10		mg/L			02/10/15 04:36	1
Sulfide	ND		1.0		mg/L			02/11/15 01:28	1

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-3
Date Collected: 02/05/15 13:30
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-10
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			02/09/15 18:38	1
Benzene	ND		0.50		ug/L			02/09/15 18:38	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 18:38	1
Naphthalene	**1.4**		1.0		ug/L			02/09/15 18:38	1
Toluene	ND		0.50		ug/L			02/09/15 18:38	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 18:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 18:38	1
1,2-DCA	ND		0.50		ug/L			02/09/15 18:38	1
EDB	ND		0.50		ug/L			02/09/15 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*02/09/15 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*02/09/15 18:38*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 18:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.3**		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Acenaphthene	**1.7**		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Fluorene	**0.92**		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Phenanthrene	**0.61**		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*29 - 120*	*02/09/15 15:21*	*02/12/15 00:50*	*1*
Terphenyl-d14	*54*		*45 - 120*	*02/09/15 15:21*	*02/12/15 00:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.3**		1.0		mg/L			02/10/15 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/09/15 10:37	02/10/15 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 03:07*	*1*
p-Terphenyl	*92*		*31 - 150*	*02/09/15 10:37*	*02/10/15 03:07*	*1*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-3
Date Collected: 02/05/15 13:30
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-10
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**150**		0.20		mg/L		02/07/15 12:18	02/11/15 17:30	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**28**		0.50		mg/L		02/10/15 14:59	02/11/15 14:05	1
Manganese	**4.1**		0.020		mg/L		02/10/15 14:59	02/11/15 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 05:37	1
Sulfate	ND		1.0		mg/L			02/06/15 05:37	1
Total Dissolved Solids	**2300**		10		mg/L			02/10/15 04:41	1
Sulfide	**1.5**		1.0		mg/L			02/11/15 01:31	1

Client Sample ID: IW-4
Date Collected: 02/05/15 11:40
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-11
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		2.5		ug/L			02/09/15 19:07	5
Benzene	ND		2.5		ug/L			02/09/15 19:07	5
Ethylbenzene	ND		2.5		ug/L			02/09/15 19:07	5
Naphthalene	ND		5.0		ug/L			02/09/15 19:07	5
Toluene	ND		2.5		ug/L			02/09/15 19:07	5
Xylenes, Total	ND		5.0		ug/L			02/09/15 19:07	5
Gasoline Range Organics (GRO) -C5-C12	**340**		250		ug/L			02/09/15 19:07	5
1,2-DCA	ND		2.5		ug/L			02/09/15 19:07	5
EDB	ND		2.5		ug/L			02/09/15 19:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/09/15 19:07*	*5*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*		*02/09/15 19:07*	*5*
Toluene-d8 (Surr)	*102*		*70 - 130*		*02/09/15 19:07*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.8**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Acenaphthene	**1.1**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Acenaphthylene	**2.0**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Fluorene	**5.2**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Phenanthrene	**3.0**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Anthracene	**0.33**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Chrysene	**0.13**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Fluoranthene	**0.35**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Pyrene	**0.52**		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*29 - 120*	*02/09/15 15:21*	*02/12/15 01:13*	*1*
Terphenyl-d14	*48*		*45 - 120*	*02/09/15 15:21*	*02/12/15 01:13*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.6**		1.0		mg/L			02/10/15 15:50	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]	**55000**		1000		ug/L		02/09/15 10:37	02/10/15 12:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 12:56*	*20*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/09/15 10:37*	*02/10/15 12:56*	*20*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-4
Date Collected: 02/05/15 11:40
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-11
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**80**		0.20		mg/L		02/07/15 12:18	02/11/15 17:36	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**4.9**		0.50		mg/L		02/09/15 09:59	02/09/15 18:56	1
Manganese	**7.3**		0.020		mg/L		02/09/15 09:59	02/09/15 18:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 06:11	1
Sulfate	**2.4**		1.0		mg/L			02/06/15 06:11	1
Total Dissolved Solids	**1200**		10		mg/L			02/10/15 04:46	1
Sulfide	ND		1.0		mg/L			02/11/15 01:34	1

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-5

Date Collected: 02/05/15 15:20
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-12
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			02/10/15 20:16	1
Benzene	ND		0.50		ug/L			02/10/15 20:16	1
Ethylbenzene	ND		0.50		ug/L			02/10/15 20:16	1
Naphthalene	ND		1.0		ug/L			02/10/15 20:16	1
Toluene	ND		0.50		ug/L			02/10/15 20:16	1
Xylenes, Total	ND		1.0		ug/L			02/10/15 20:16	1
Gasoline Range Organics (GRO) -C5-C12	**530**		50		ug/L			02/10/15 20:16	1
1,2-DCA	ND		0.50		ug/L			02/10/15 20:16	1
EDB	ND		0.50		ug/L			02/10/15 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*02/10/15 20:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*		*02/10/15 20:16*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/10/15 20:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**3.8**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Acenaphthene	**2.7**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Acenaphthylene	**7.4**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Fluorene	**19**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Phenanthrene	**19**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Anthracene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Benzo[a]anthracene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Chrysene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Benzo[a]pyrene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Benzo[b]fluoranthene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Benzo[k]fluoranthene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Benzo[g,h,i]perylene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Indeno[1,2,3-cd]pyrene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Fluoranthene	**1.0**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Pyrene	**2.0**		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10
Dibenz(a,h)anthracene	ND		1.0		ug/L		02/09/15 15:21	02/12/15 14:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*02/09/15 15:21*	*02/12/15 14:30*	*10*
Terphenyl-d14	*40*	*X*	*45 - 120*	*02/09/15 15:21*	*02/12/15 14:30*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**5.5**		1.0		mg/L			02/10/15 16:04	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]	**98000**		2600		ug/L		02/10/15 10:21	02/11/15 12:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/10/15 10:21*	*02/11/15 12:44*	*50*
p-Terphenyl	*0*	*X D*	*31 - 150*	*02/10/15 10:21*	*02/11/15 12:44*	*50*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-5
Date Collected: 02/05/15 15:20
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-12
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**42**		0.20		mg/L		02/07/15 12:18	02/11/15 17:41	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**6.7**		0.50		mg/L		02/09/15 09:59	02/09/15 19:01	1
Manganese	**6.2**		0.020		mg/L		02/09/15 09:59	02/09/15 19:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 06:45	1
Sulfate	ND		1.0		mg/L			02/06/15 06:45	1
Total Dissolved Solids	**860**		10		mg/L			02/10/15 04:50	1
Sulfide	ND		1.0		mg/L			02/11/15 01:37	1

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-6
Date Collected: 02/05/15 14:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-13
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			02/10/15 20:46	1
Benzene	ND		0.50		ug/L			02/10/15 20:46	1
Ethylbenzene	ND		0.50		ug/L			02/10/15 20:46	1
Naphthalene	ND		1.0		ug/L			02/10/15 20:46	1
Toluene	ND		0.50		ug/L			02/10/15 20:46	1
Xylenes, Total	ND		1.0		ug/L			02/10/15 20:46	1
Gasoline Range Organics (GRO) -C5-C12	**71**		50		ug/L			02/10/15 20:46	1
1,2-DCA	ND		0.50		ug/L			02/10/15 20:46	1
EDB	ND		0.50		ug/L			02/10/15 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*02/10/15 20:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*72 - 130*		*02/10/15 20:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*02/10/15 20:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.0**		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Acenaphthene	**0.67**		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Acenaphthylene	**0.59**		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Fluorene	**2.9**		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Phenanthrene	**1.7**		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/12/15 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*29 - 120*	*02/09/15 15:21*	*02/12/15 01:59*	*1*
Terphenyl-d14	*41*	*X*	*45 - 120*	*02/09/15 15:21*	*02/12/15 01:59*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	**4.7**		1.0		mg/L			02/10/15 16:17	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]	**5000**		100		ug/L		02/10/15 10:21	02/11/15 13:08	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/10/15 10:21*	*02/11/15 13:08*	*2*
p-Terphenyl	*69*		*31 - 150*	*02/10/15 10:21*	*02/11/15 13:08*	*2*

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-6
Date Collected: 02/05/15 14:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-13
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	230		0.20		mg/L		02/07/15 12:18	02/11/15 17:46	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	65		0.50		mg/L		02/10/15 14:59	02/11/15 14:10	1
Manganese	3.6		0.020		mg/L		02/10/15 14:59	02/11/15 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/06/15 07:53	1
Sulfate	ND		1.0		mg/L			02/06/15 07:53	1
Total Dissolved Solids	6100		33		mg/L			02/10/15 04:55	1
Sulfide	ND		1.0		mg/L			02/11/15 01:39	1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(67-130)	(72-130)	(70-130)
720-62802-1	TB-1	101	96	101
720-62802-2	MW-3	101	100	100
720-62802-2 MS	MW-3	100	99	102
720-62802-2 MSD	MW-3	99	100	101
720-62802-3	MW-4	105	107	102
720-62802-4	MW-8	106	105	102
720-62802-5	MW-9	105	106	102
720-62802-6	MW-10	102	101	102
720-62802-7	MW-11	103	100	103
720-62802-8	MW-13	105	105	101
720-62802-9	MW-14	101	104	101
720-62802-10	IW-3	102	104	102
720-62802-11	IW-4	101	100	102
720-62802-12	IW-5	103	101	101
720-62802-13	IW-6	104	107	99
LCS 720-175454/6	Lab Control Sample	99	96	101
LCS 720-175454/8	Lab Control Sample	105	103	103
LCS 720-175574/5	Lab Control Sample	101	101	102
LCS 720-175574/7	Lab Control Sample	104	102	103
LCSD 720-175454/7	Lab Control Sample Dup	102	104	102
LCSD 720-175454/9	Lab Control Sample Dup	106	101	103
LCSD 720-175574/6	Lab Control Sample Dup	100	100	102
LCSD 720-175574/8	Lab Control Sample Dup	106	103	102
MB 720-175454/5	Method Blank	101	99	100
MB 720-175574/4	Method Blank	103	104	101

Surrogate Legend

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		FBP	TPH
Lab Sample ID	Client Sample ID	(29-120)	(45-120)
720-62802-2	MW-3	71	46
720-62802-3	MW-4	75	71
720-62802-4	MW-8	61	67
720-62802-5	MW-9	78	75
720-62802-6	MW-10	69	64
720-62802-7	MW-11	62	53
720-62802-8	MW-13	73	56
720-62802-9	MW-14	40	28 X
720-62802-10	IW-3	70	54
720-62802-11	IW-4	65	48
720-62802-12	IW-5	73	40 X
720-62802-13	IW-6	62	41 X

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	FBP (29-120)	TPH (45-120)								
LCS 720-175494/2-A	Lab Control Sample	75	83								
LCSD 720-175494/3-A	Lab Control Sample Dup	72	79								
MB 720-175494/1-A	Method Blank	73	83								

Surrogate Legend

FBP = 2-Fluorobiphenyl

TPH = Terphenyl-d14

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

Matrix: Water **Prep Type: Silica Gel Cleanup**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	NDA1 (0-5)	PTP1 (31-150)								
720-62802-2	MW-3	0	80								
720-62802-3	MW-4	0	80								
720-62802-4	MW-8	0	101								
720-62802-5	MW-9	0	90								
720-62802-6	MW-10	0	95								
720-62802-7	MW-11	0	80								
720-62802-8	MW-13	0	91								
720-62802-9	MW-14	0	85								
720-62802-10	IW-3	0	92								
720-62802-11	IW-4	0	0 X D								
720-62802-12	IW-5	0	0 X D								
720-62802-13	IW-6	0	69								
LCS 720-175476/2-A	Lab Control Sample		90								
LCS 720-175558/2-A	Lab Control Sample		87								
LCSD 720-175476/3-A	Lab Control Sample Dup		77								
LCSD 720-175558/3-A	Lab Control Sample Dup		86								
MB 720-175476/1-A	Method Blank	0	92								
MB 720-175558/1-A	Method Blank	0.009	121								

Surrogate Legend

NDA = Capric Acid (Surr)

PTP = p-Terphenyl

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

Lab Sample ID: MB 720-175454/5
Matrix: Water
Analysis Batch: 175454

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			02/09/15 10:06	1
Benzene	ND		0.50		ug/L			02/09/15 10:06	1
Ethylbenzene	ND		0.50		ug/L			02/09/15 10:06	1
Naphthalene	ND		1.0		ug/L			02/09/15 10:06	1
Toluene	ND		0.50		ug/L			02/09/15 10:06	1
Xylenes, Total	ND		1.0		ug/L			02/09/15 10:06	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/09/15 10:06	1
EDB	ND		0.50		ug/L			02/09/15 10:06	1
1,2-DCA	ND		0.50		ug/L			02/09/15 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*02/09/15 10:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*		*02/09/15 10:06*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*02/09/15 10:06*	*1*

Lab Sample ID: LCS 720-175454/6
Matrix: Water
Analysis Batch: 175454

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	26.4		ug/L		105	62 - 130
Benzene	25.0	26.4		ug/L		105	79 - 130
Ethylbenzene	25.0	26.4		ug/L		106	80 - 120
Naphthalene	25.0	26.9		ug/L		107	70 - 130
Toluene	25.0	25.4		ug/L		102	78 - 120
m-Xylene & p-Xylene	25.0	26.3		ug/L		105	70 - 142
o-Xylene	25.0	26.9		ug/L		107	70 - 130
EDB	25.0	26.6		ug/L		106	70 - 130
1,2-DCA	25.0	25.9		ug/L		104	61 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 720-175454/8
Matrix: Water
Analysis Batch: 175454

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	531		ug/L		106	62 - 120

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

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

Lab Sample ID: LCS 720-175454/8
Matrix: Water
Analysis Batch: 175454

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 720-175454/7
Matrix: Water
Analysis Batch: 175454

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	29.1		ug/L		116	62 - 130	10	20
Benzene	25.0	25.7		ug/L		103	79 - 130	3	20
Ethylbenzene	25.0	25.3		ug/L		101	80 - 120	4	20
Naphthalene	25.0	28.8		ug/L		115	70 - 130	7	20
Toluene	25.0	24.4		ug/L		97	78 - 120	4	20
m-Xylene & p-Xylene	25.0	25.2		ug/L		101	70 - 142	4	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	3	20
EDB	25.0	28.7		ug/L		115	70 - 130	8	20
1,2-DCA	25.0	26.7		ug/L		107	61 - 132	3	20

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

Lab Sample ID: LCSD 720-175454/9
Matrix: Water
Analysis Batch: 175454

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	531		ug/L		106	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*72 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: 720-62802-2 MS
Matrix: Water
Analysis Batch: 175454

Client Sample ID: MW-3
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	25.5		ug/L		102	60 - 138
Benzene	ND		25.0	25.4		ug/L		102	60 - 140
Ethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140
Naphthalene	1.2		25.0	28.0		ug/L		107	56 - 140
Toluene	ND		25.0	24.5		ug/L		98	60 - 140
m-Xylene & p-Xylene	ND		25.0	25.3		ug/L		101	60 - 140
o-Xylene	ND		25.0	26.2		ug/L		103	60 - 140
EDB	ND		25.0	25.9		ug/L		104	60 - 140

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

Lab Sample ID: 720-62802-2 MS
Matrix: Water
Analysis Batch: 175454

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-DCA	ND		25.0	25.0		ug/L		100	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 720-62802-2 MSD
Matrix: Water
Analysis Batch: 175454

Client Sample ID: MW-3
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	26.2		ug/L		105	60 - 138	3	20
Benzene	ND		25.0	25.3		ug/L		101	60 - 140	0	20
Ethylbenzene	ND		25.0	24.9		ug/L		100	60 - 140	1	20
Naphthalene	1.2		25.0	29.1		ug/L		112	56 - 140	4	20
Toluene	ND		25.0	24.5		ug/L		98	60 - 140	0	20
m-Xylene & p-Xylene	ND		25.0	25.0		ug/L		100	60 - 140	1	20
o-Xylene	ND		25.0	25.9		ug/L		102	60 - 140	1	20
EDB	ND		25.0	26.3		ug/L		105	60 - 140	2	20
1,2-DCA	ND		25.0	25.1		ug/L		100	60 - 140	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 720-175574/4
Matrix: Water
Analysis Batch: 175574

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			02/10/15 14:25	1
Benzene	ND		0.50		ug/L			02/10/15 14:25	1
Ethylbenzene	ND		0.50		ug/L			02/10/15 14:25	1
Naphthalene	ND		1.0		ug/L			02/10/15 14:25	1
Toluene	ND		0.50		ug/L			02/10/15 14:25	1
Xylenes, Total	ND		1.0		ug/L			02/10/15 14:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			02/10/15 14:25	1
EDB	ND		0.50		ug/L			02/10/15 14:25	1
1,2-DCA	ND		0.50		ug/L			02/10/15 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*02/10/15 14:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*		*02/10/15 14:25*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*02/10/15 14:25*	*1*

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

Lab Sample ID: LCS 720-175574/5
Matrix: Water
Analysis Batch: 175574

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	25.7		ug/L		103	62 - 130		
Benzene			25.0	25.1		ug/L		101	79 - 130		
Ethylbenzene			25.0	25.4		ug/L		102	80 - 120		
Naphthalene			25.0	26.2		ug/L		105	70 - 130		
Toluene			25.0	24.6		ug/L		98	78 - 120		
m-Xylene & p-Xylene			25.0	25.5		ug/L		102	70 - 142		
o-Xylene			25.0	26.1		ug/L		105	70 - 130		
EDB			25.0	25.9		ug/L		104	70 - 130		
1,2-DCA			25.0	25.3		ug/L		101	61 - 132		

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

Lab Sample ID: LCS 720-175574/7
Matrix: Water
Analysis Batch: 175574

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	518		ug/L		104	62 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*72 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-175574/6
Matrix: Water
Analysis Batch: 175574

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	25.4		ug/L		102	62 - 130	1	20
Benzene			25.0	25.1		ug/L		100	79 - 130	0	20
Ethylbenzene			25.0	25.3		ug/L		101	80 - 120	0	20
Naphthalene			25.0	25.8		ug/L		103	70 - 130	2	20
Toluene			25.0	24.6		ug/L		98	78 - 120	0	20
m-Xylene & p-Xylene			25.0	25.2		ug/L		101	70 - 142	1	20
o-Xylene			25.0	25.8		ug/L		103	70 - 130	1	20
EDB			25.0	25.7		ug/L		103	70 - 130	1	20
1,2-DCA			25.0	25.0		ug/L		100	61 - 132	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: LCSD 720-175574/8
Matrix: Water
Analysis Batch: 175574

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	520		ug/L		104	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 720-175494/1-A
Matrix: Water
Analysis Batch: 175645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Acenaphthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Acenaphthylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Fluorene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Phenanthrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Benzo[a]anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Chrysene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Benzo[a]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Benzo[b]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Benzo[k]fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Fluoranthene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Pyrene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		02/09/15 15:21	02/11/15 21:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*29 - 120*	*02/09/15 15:21*	*02/11/15 21:46*	*1*
Terphenyl-d14	*83*		*45 - 120*	*02/09/15 15:21*	*02/11/15 21:46*	*1*

Lab Sample ID: LCS 720-175494/2-A
Matrix: Water
Analysis Batch: 175645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.0	7.84		ug/L		78	19 - 120
Acenaphthene	10.0	7.68		ug/L		77	24 - 120
Acenaphthylene	10.0	7.99		ug/L		80	24 - 120
Fluorene	10.0	7.91		ug/L		79	27 - 120
Phenanthrene	10.0	7.85		ug/L		79	31 - 120
Anthracene	10.0	7.82		ug/L		78	44 - 120

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

Lab Sample ID: LCS 720-175494/2-A
Matrix: Water
Analysis Batch: 175645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175494

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[a]anthracene			10.0	8.35		ug/L		83	48 - 120		
Chrysene			10.0	7.54		ug/L		75	47 - 120		
Benzo[a]pyrene			10.0	7.64		ug/L		76	43 - 120		
Benzo[b]fluoranthene			10.0	7.77		ug/L		78	42 - 120		
Benzo[k]fluoranthene			10.0	7.78		ug/L		78	42 - 120		
Benzo[g,h,i]perylene			10.0	7.29		ug/L		73	35 - 120		
Indeno[1,2,3-cd]pyrene			10.0	7.43		ug/L		74	36 - 120		
Fluoranthene			10.0	8.26		ug/L		83	43 - 120		
Pyrene			10.0	8.63		ug/L		86	47 - 120		
Dibenz(a,h)anthracene			10.0	7.46		ug/L		75	33 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*29 - 120*
Terphenyl-d14	*83*		*45 - 120*

Lab Sample ID: LCSD 720-175494/3-A
Matrix: Water
Analysis Batch: 175645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 175494

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			10.0	7.55		ug/L		75	19 - 120	4	35
Acenaphthene			10.0	7.40		ug/L		74	24 - 120	4	35
Acenaphthylene			10.0	7.74		ug/L		77	24 - 120	3	35
Fluorene			10.0	7.71		ug/L		77	27 - 120	2	35
Phenanthrene			10.0	7.54		ug/L		75	31 - 120	4	35
Anthracene			10.0	7.57		ug/L		76	44 - 120	3	35
Benzo[a]anthracene			10.0	8.20		ug/L		82	48 - 120	2	35
Chrysene			10.0	7.41		ug/L		74	47 - 120	2	35
Benzo[a]pyrene			10.0	7.45		ug/L		74	43 - 120	3	35
Benzo[b]fluoranthene			10.0	7.62		ug/L		76	42 - 120	2	35
Benzo[k]fluoranthene			10.0	7.68		ug/L		77	42 - 120	1	35
Benzo[g,h,i]perylene			10.0	6.74		ug/L		67	35 - 120	8	35
Indeno[1,2,3-cd]pyrene			10.0	6.87		ug/L		69	36 - 120	8	35
Fluoranthene			10.0	8.05		ug/L		80	43 - 120	3	35
Pyrene			10.0	8.44		ug/L		84	47 - 120	2	35
Dibenz(a,h)anthracene			10.0	6.88		ug/L		69	33 - 120	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*29 - 120*
Terphenyl-d14	*79*		*45 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 440-235306/9
Matrix: Water
Analysis Batch: 235306

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			02/10/15 13:03	1
Methane (TCD)	ND		1.0		mg/L			02/10/15 13:03	1

Lab Sample ID: LCS 440-235306/5
Matrix: Water
Analysis Batch: 235306

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	4.11		mg/L		98	80 - 120

Lab Sample ID: LCS 440-235306/7
Matrix: Water
Analysis Batch: 235306

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	0.0904		mg/L		108	80 - 120

Lab Sample ID: LCSD 440-235306/6
Matrix: Water
Analysis Batch: 235306

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	3.87		mg/L		92	80 - 120	6	20

Lab Sample ID: LCSD 440-235306/8
Matrix: Water
Analysis Batch: 235306

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	0.0843		mg/L		100	80 - 120	7	20

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

Lab Sample ID: MB 720-175476/1-A
Matrix: Water
Analysis Batch: 175458

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 175476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/09/15 10:37	02/10/15 04:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*02/09/15 10:37*	*02/10/15 04:43*	*1*
p-Terphenyl	*92*		*31 - 150*	*02/09/15 10:37*	*02/10/15 04:43*	*1*

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

Lab Sample ID: LCS 720-175476/2-A
Matrix: Water
Analysis Batch: 175458

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 175476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2500	1750		ug/L		70	32 - 119

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*90*		*31 - 150*

Lab Sample ID: LCSD 720-175476/3-A
Matrix: Water
Analysis Batch: 175458

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 175476

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1630		ug/L		65	32 - 119	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*77*		*31 - 150*

Lab Sample ID: MB 720-175558/1-A
Matrix: Water
Analysis Batch: 175630

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 175558

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		02/10/15 10:21	02/11/15 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.009*		*0 - 5*	*02/10/15 10:21*	*02/11/15 11:31*	*1*
p-Terphenyl	*121*		*31 - 150*	*02/10/15 10:21*	*02/11/15 11:31*	*1*

Lab Sample ID: LCS 720-175558/2-A
Matrix: Water
Analysis Batch: 175530

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 175558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2500	1500		ug/L		60	32 - 119

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*87*		*31 - 150*

Lab Sample ID: LCSD 720-175558/3-A
Matrix: Water
Analysis Batch: 175530

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 175558

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1430		ug/L		57	32 - 119	5	35

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

Lab Sample ID: LCSD 720-175558/3-A
Matrix: Water
Analysis Batch: 175530

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 175558

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*86*		*31 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-175451/1-A
Matrix: Water
Analysis Batch: 175710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20		mg/L		02/07/15 12:18	02/11/15 16:08	1

Lab Sample ID: LCS 720-175451/2-A
Matrix: Water
Analysis Batch: 175710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	10.0	9.53		mg/L		95	80 - 120

Lab Sample ID: LCSD 720-175451/3-A
Matrix: Water
Analysis Batch: 175710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 175451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	10.0	9.65		mg/L		96	80 - 120	1	20

Lab Sample ID: 720-62802-2 MS
Matrix: Water
Analysis Batch: 175710

Client Sample ID: MW-3
Prep Type: Total/NA
Prep Batch: 175451

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	47		10.0	56.0	4	mg/L		91	75 - 125

Lab Sample ID: 720-62802-2 MSD
Matrix: Water
Analysis Batch: 175710

Client Sample ID: MW-3
Prep Type: Total/NA
Prep Batch: 175451

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Magnesium	47		10.0	54.6	4	mg/L		77	75 - 125	3	20

Lab Sample ID: MB 720-175471/1-A
Matrix: Water
Analysis Batch: 175555

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 175471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.50		mg/L		02/09/15 09:59	02/09/15 17:44	1
Manganese	ND		0.020		mg/L		02/09/15 09:59	02/09/15 17:44	1

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

Lab Sample ID: LCS 720-175471/2-A
Matrix: Water
Analysis Batch: 175555

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 175471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.53		mg/L		95	80 - 120
Manganese	1.00	0.975		mg/L		98	80 - 120

Lab Sample ID: LCSD 720-175471/3-A
Matrix: Water
Analysis Batch: 175555

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 175471

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	10.0	9.53		mg/L		95	80 - 120	0	20
Manganese	1.00	0.983		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 720-175584/1-A
Matrix: Water
Analysis Batch: 175678

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 175584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.50		mg/L		02/10/15 14:59	02/11/15 13:14	1
Manganese	ND		0.020		mg/L		02/10/15 14:59	02/11/15 13:14	1

Lab Sample ID: LCS 720-175584/2-A
Matrix: Water
Analysis Batch: 175678

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 175584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	10.0	9.39		mg/L		94	80 - 120
Manganese	1.00	0.998		mg/L		100	80 - 120

Lab Sample ID: LCSD 720-175584/3-A
Matrix: Water
Analysis Batch: 175678

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 175584

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	10.0	9.54		mg/L		95	80 - 120	2	20
Manganese	1.00	0.996		mg/L		100	80 - 120	0	20

Lab Sample ID: 720-62802-2 MS
Matrix: Water
Analysis Batch: 175555

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 175471

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5.9		10.0	15.2		mg/L		93	75 - 125
Manganese	5.8		1.00	6.56	4	mg/L		77	75 - 125

Lab Sample ID: 720-62802-2 MSD
Matrix: Water
Analysis Batch: 175555

Client Sample ID: MW-3
Prep Type: Dissolved
Prep Batch: 175471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	5.9		10.0	15.4		mg/L		95	75 - 125	1	20

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

Lab Sample ID: 720-62802-2 MSD — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 175555 — **Prep Batch: 175471**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	5.8		1.00	6.54	4	mg/L		75	75 - 125	0	20

Lab Sample ID: 720-62802-4 MS — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 175678 — **Prep Batch: 175584**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	4.4		10.0	13.8		mg/L		94	75 - 125
Manganese	3.2		1.00	4.06		mg/L		91	75 - 125

Lab Sample ID: 720-62802-4 MSD — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 175678 — **Prep Batch: 175584**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	4.4		10.0	13.7		mg/L		93	75 - 125	1	20
Manganese	3.2		1.00	4.03		mg/L		88	75 - 125	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 720-175698/31 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.23		mg/L			02/05/15 22:30	1

Lab Sample ID: LCS 720-175698/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.18		mg/L		96	90 - 110

Lab Sample ID: LCSD 720-175698/33 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.17		mg/L		96	90 - 110	0	20

Lab Sample ID: 720-62802-2 MS — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	ND		22.6	21.7		mg/L		96	80 - 120

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 720-62802-2 MSD — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	ND		22.6	21.8		mg/L		96	80 - 120	0	20

Lab Sample ID: MB 720-175699/31 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175699

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0		mg/L			02/05/15 22:30	1

Lab Sample ID: LCS 720-175699/32 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.95		mg/L		99	90 - 110

Lab Sample ID: LCSD 720-175699/33 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175699

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	10.0	9.74		mg/L		97	90 - 110	2	20

Lab Sample ID: 720-62802-2 MS — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	11		100	110		mg/L		98	80 - 120

Lab Sample ID: 720-62802-2 MSD — **Client Sample ID: MW-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 175699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	11		100	110		mg/L		99	80 - 120	0	20

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

Lab Sample ID: MB 500-275125/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 275125

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			02/08/15 22:53	1

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

Lab Sample ID: LCS 500-275125/2
Matrix: Water
Analysis Batch: 275125

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	250		mg/L		100	80 - 120

Lab Sample ID: MB 500-275255/1
Matrix: Water
Analysis Batch: 275255

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			02/10/15 04:00	1

Lab Sample ID: LCS 500-275255/2
Matrix: Water
Analysis Batch: 275255

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	250		mg/L		100	80 - 120

Lab Sample ID: 720-62802-7 MS
Matrix: Water
Analysis Batch: 275255

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	2300		250	2500	4	mg/L		72	75 - 125

Lab Sample ID: 720-62802-7 DU
Matrix: Water
Analysis Batch: 275255

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2300		2270		mg/L		2	5

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-275254/1
Matrix: Water
Analysis Batch: 275254

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			02/09/15 23:18	1

Lab Sample ID: LCS 500-275254/2
Matrix: Water
Analysis Batch: 275254

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.76	3.68		mg/L		98	80 - 120

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

Lab Sample ID: MB 500-275407/1
Matrix: Water
Analysis Batch: 275407

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			02/11/15 01:00	1

Lab Sample ID: LCS 500-275407/2
Matrix: Water
Analysis Batch: 275407

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			3.64	4.13		mg/L		113	80 - 120		

GC/MS VOA

Analysis Batch: 175454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-1	TB-1	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-2	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-2 MS	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-2 MSD	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-3	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-4	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-5	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-6	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-7	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-8	MW-13	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-9	MW-14	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-10	IW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-11	IW-4	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-175454/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-175454/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-175454/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-175454/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-175454/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 175574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-12	IW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-62802-13	IW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-175574/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-175574/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-175574/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-175574/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-175574/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Prep Batch: 175494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	3510C	
720-62802-3	MW-4	Total/NA	Water	3510C	
720-62802-4	MW-8	Total/NA	Water	3510C	
720-62802-5	MW-9	Total/NA	Water	3510C	
720-62802-6	MW-10	Total/NA	Water	3510C	
720-62802-7	MW-11	Total/NA	Water	3510C	
720-62802-8	MW-13	Total/NA	Water	3510C	
720-62802-9	MW-14	Total/NA	Water	3510C	
720-62802-10	IW-3	Total/NA	Water	3510C	
720-62802-11	IW-4	Total/NA	Water	3510C	
720-62802-12	IW-5	Total/NA	Water	3510C	
720-62802-13	IW-6	Total/NA	Water	3510C	
LCS 720-175494/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-175494/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-175494/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 175645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	8270C SIM	175494
720-62802-3	MW-4	Total/NA	Water	8270C SIM	175494
720-62802-4	MW-8	Total/NA	Water	8270C SIM	175494
720-62802-5	MW-9	Total/NA	Water	8270C SIM	175494
720-62802-6	MW-10	Total/NA	Water	8270C SIM	175494
720-62802-7	MW-11	Total/NA	Water	8270C SIM	175494
720-62802-8	MW-13	Total/NA	Water	8270C SIM	175494
720-62802-9	MW-14	Total/NA	Water	8270C SIM	175494
720-62802-10	IW-3	Total/NA	Water	8270C SIM	175494
720-62802-11	IW-4	Total/NA	Water	8270C SIM	175494
720-62802-13	IW-6	Total/NA	Water	8270C SIM	175494
LCS 720-175494/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	175494
LCSD 720-175494/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	175494
MB 720-175494/1-A	Method Blank	Total/NA	Water	8270C SIM	175494

Analysis Batch: 175738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-12	IW-5	Total/NA	Water	8270C SIM	175494

GC VOA

Analysis Batch: 235306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	RSK-175	
720-62802-3	MW-4	Total/NA	Water	RSK-175	
720-62802-4	MW-8	Total/NA	Water	RSK-175	
720-62802-5	MW-9	Total/NA	Water	RSK-175	
720-62802-6	MW-10	Total/NA	Water	RSK-175	
720-62802-7	MW-11	Total/NA	Water	RSK-175	
720-62802-8	MW-13	Total/NA	Water	RSK-175	
720-62802-9	MW-14	Total/NA	Water	RSK-175	
720-62802-10	IW-3	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 235306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-11	IW-4	Total/NA	Water	RSK-175	
720-62802-12	IW-5	Total/NA	Water	RSK-175	
720-62802-13	IW-6	Total/NA	Water	RSK-175	
LCS 440-235306/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 440-235306/7	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 440-235306/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 440-235306/8	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 440-235306/9	Method Blank	Total/NA	Water	RSK-175	

GC Semi VOA

Analysis Batch: 175458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-175476/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	175476
LCSD 720-175476/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	175476
MB 720-175476/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	175476

Analysis Batch: 175459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-4	MW-8	Silica Gel Cleanup	Water	8015B	175476
720-62802-5	MW-9	Silica Gel Cleanup	Water	8015B	175476
720-62802-6	MW-10	Silica Gel Cleanup	Water	8015B	175476
720-62802-8	MW-13	Silica Gel Cleanup	Water	8015B	175476
720-62802-9	MW-14	Silica Gel Cleanup	Water	8015B	175476
720-62802-10	IW-3	Silica Gel Cleanup	Water	8015B	175476

Prep Batch: 175476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Silica Gel Cleanup	Water	3510C SGC	
720-62802-3	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-62802-4	MW-8	Silica Gel Cleanup	Water	3510C SGC	
720-62802-5	MW-9	Silica Gel Cleanup	Water	3510C SGC	
720-62802-6	MW-10	Silica Gel Cleanup	Water	3510C SGC	
720-62802-7	MW-11	Silica Gel Cleanup	Water	3510C SGC	
720-62802-8	MW-13	Silica Gel Cleanup	Water	3510C SGC	
720-62802-9	MW-14	Silica Gel Cleanup	Water	3510C SGC	
720-62802-10	IW-3	Silica Gel Cleanup	Water	3510C SGC	
720-62802-11	IW-4	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-175476/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-175476/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-175476/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 175530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Silica Gel Cleanup	Water	8015B	175476
720-62802-3	MW-4	Silica Gel Cleanup	Water	8015B	175476
720-62802-7	MW-11	Silica Gel Cleanup	Water	8015B	175476
720-62802-11	IW-4	Silica Gel Cleanup	Water	8015B	175476
LCS 720-175558/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	175558
LCSD 720-175558/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	175558

GC Semi VOA (Continued)

Prep Batch: 175558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-12	IW-5	Silica Gel Cleanup	Water	3510C SGC	
720-62802-13	IW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-175558/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-175558/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-175558/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 175630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-175558/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	175558

Analysis Batch: 175631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-12	IW-5	Silica Gel Cleanup	Water	8015B	175558
720-62802-13	IW-6	Silica Gel Cleanup	Water	8015B	175558

Metals

Prep Batch: 175451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	3010A	
720-62802-2 MS	MW-3	Total/NA	Water	3010A	
720-62802-2 MSD	MW-3	Total/NA	Water	3010A	
720-62802-3	MW-4	Total/NA	Water	3010A	
720-62802-4	MW-8	Total/NA	Water	3010A	
720-62802-5	MW-9	Total/NA	Water	3010A	
720-62802-6	MW-10	Total/NA	Water	3010A	
720-62802-7	MW-11	Total/NA	Water	3010A	
720-62802-8	MW-13	Total/NA	Water	3010A	
720-62802-9	MW-14	Total/NA	Water	3010A	
720-62802-10	IW-3	Total/NA	Water	3010A	
720-62802-11	IW-4	Total/NA	Water	3010A	
720-62802-12	IW-5	Total/NA	Water	3010A	
720-62802-13	IW-6	Total/NA	Water	3010A	
LCS 720-175451/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 720-175451/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-175451/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 175471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Dissolved	Water	3005A	
720-62802-2 MS	MW-3	Dissolved	Water	3005A	
720-62802-2 MSD	MW-3	Dissolved	Water	3005A	
720-62802-3	MW-4	Dissolved	Water	3005A	
720-62802-6	MW-10	Dissolved	Water	3005A	
720-62802-7	MW-11	Dissolved	Water	3005A	
720-62802-8	MW-13	Dissolved	Water	3005A	
720-62802-9	MW-14	Dissolved	Water	3005A	
720-62802-11	IW-4	Dissolved	Water	3005A	
720-62802-12	IW-5	Dissolved	Water	3005A	
LCS 720-175471/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 175471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-175471/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 720-175471/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 175555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Dissolved	Water	6010B	175471
720-62802-2 MS	MW-3	Dissolved	Water	6010B	175471
720-62802-2 MSD	MW-3	Dissolved	Water	6010B	175471
720-62802-3	MW-4	Dissolved	Water	6010B	175471
720-62802-6	MW-10	Dissolved	Water	6010B	175471
720-62802-8	MW-13	Dissolved	Water	6010B	175471
720-62802-9	MW-14	Dissolved	Water	6010B	175471
720-62802-11	IW-4	Dissolved	Water	6010B	175471
720-62802-12	IW-5	Dissolved	Water	6010B	175471
LCS 720-175471/2-A	Lab Control Sample	Total Recoverable	Water	6010B	175471
LCSD 720-175471/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	175471
MB 720-175471/1-A	Method Blank	Total Recoverable	Water	6010B	175471

Prep Batch: 175584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-4	MW-8	Dissolved	Water	3005A	
720-62802-4 MS	MW-8	Dissolved	Water	3005A	
720-62802-4 MSD	MW-8	Dissolved	Water	3005A	
720-62802-5	MW-9	Dissolved	Water	3005A	
720-62802-10	IW-3	Dissolved	Water	3005A	
720-62802-13	IW-6	Dissolved	Water	3005A	
LCS 720-175584/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 720-175584/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 720-175584/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 175587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-7	MW-11	Dissolved	Water	6010B	175471

Analysis Batch: 175678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-4	MW-8	Dissolved	Water	6010B	175584
720-62802-4 MS	MW-8	Dissolved	Water	6010B	175584
720-62802-4 MSD	MW-8	Dissolved	Water	6010B	175584
720-62802-5	MW-9	Dissolved	Water	6010B	175584
720-62802-10	IW-3	Dissolved	Water	6010B	175584
720-62802-13	IW-6	Dissolved	Water	6010B	175584
LCS 720-175584/2-A	Lab Control Sample	Total Recoverable	Water	6010B	175584
LCSD 720-175584/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	175584
MB 720-175584/1-A	Method Blank	Total Recoverable	Water	6010B	175584

Analysis Batch: 175710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	6010B	175451
720-62802-2 MS	MW-3	Total/NA	Water	6010B	175451
720-62802-2 MSD	MW-3	Total/NA	Water	6010B	175451

Metals (Continued)

Analysis Batch: 175710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-3	MW-4	Total/NA	Water	6010B	175451
720-62802-4	MW-8	Total/NA	Water	6010B	175451
720-62802-5	MW-9	Total/NA	Water	6010B	175451
720-62802-6	MW-10	Total/NA	Water	6010B	175451
720-62802-7	MW-11	Total/NA	Water	6010B	175451
720-62802-8	MW-13	Total/NA	Water	6010B	175451
720-62802-9	MW-14	Total/NA	Water	6010B	175451
720-62802-10	IW-3	Total/NA	Water	6010B	175451
720-62802-11	IW-4	Total/NA	Water	6010B	175451
720-62802-12	IW-5	Total/NA	Water	6010B	175451
720-62802-13	IW-6	Total/NA	Water	6010B	175451
LCS 720-175451/2-A	Lab Control Sample	Total/NA	Water	6010B	175451
LCSD 720-175451/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	175451
MB 720-175451/1-A	Method Blank	Total/NA	Water	6010B	175451

General Chemistry

Analysis Batch: 175698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	300.0	
720-62802-2 MS	MW-3	Total/NA	Water	300.0	
720-62802-2 MSD	MW-3	Total/NA	Water	300.0	
720-62802-3	MW-4	Total/NA	Water	300.0	
720-62802-4	MW-8	Total/NA	Water	300.0	
720-62802-5	MW-9	Total/NA	Water	300.0	
720-62802-6	MW-10	Total/NA	Water	300.0	
720-62802-7	MW-11	Total/NA	Water	300.0	
720-62802-8	MW-13	Total/NA	Water	300.0	
720-62802-9	MW-14	Total/NA	Water	300.0	
720-62802-10	IW-3	Total/NA	Water	300.0	
720-62802-11	IW-4	Total/NA	Water	300.0	
720-62802-12	IW-5	Total/NA	Water	300.0	
720-62802-13	IW-6	Total/NA	Water	300.0	
LCS 720-175698/32	Lab Control Sample	Total/NA	Water	300.0	
LCSD 720-175698/33	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 720-175698/31	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 175699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	300.0	
720-62802-2 MS	MW-3	Total/NA	Water	300.0	
720-62802-2 MSD	MW-3	Total/NA	Water	300.0	
720-62802-3	MW-4	Total/NA	Water	300.0	
720-62802-4	MW-8	Total/NA	Water	300.0	
720-62802-5	MW-9	Total/NA	Water	300.0	
720-62802-6	MW-10	Total/NA	Water	300.0	
720-62802-7	MW-11	Total/NA	Water	300.0	
720-62802-8	MW-13	Total/NA	Water	300.0	
720-62802-9	MW-14	Total/NA	Water	300.0	
720-62802-10	IW-3	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 175699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-11	IW-4	Total/NA	Water	300.0	
720-62802-12	IW-5	Total/NA	Water	300.0	
720-62802-13	IW-6	Total/NA	Water	300.0	
LCS 720-175699/32	Lab Control Sample	Total/NA	Water	300.0	
LCSD 720-175699/33	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 720-175699/31	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 275125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	SM 2540C	
720-62802-3	MW-4	Total/NA	Water	SM 2540C	
720-62802-4	MW-8	Total/NA	Water	SM 2540C	
LCS 500-275125/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-275125/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 275254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-2	MW-3	Total/NA	Water	SM 4500 S2 F	
720-62802-3	MW-4	Total/NA	Water	SM 4500 S2 F	
LCS 500-275254/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 500-275254/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 275255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-5	MW-9	Total/NA	Water	SM 2540C	
720-62802-6	MW-10	Total/NA	Water	SM 2540C	
720-62802-7	MW-11	Total/NA	Water	SM 2540C	
720-62802-7 DU	MW-11	Total/NA	Water	SM 2540C	
720-62802-7 MS	MW-11	Total/NA	Water	SM 2540C	
720-62802-8	MW-13	Total/NA	Water	SM 2540C	
720-62802-9	MW-14	Total/NA	Water	SM 2540C	
720-62802-10	IW-3	Total/NA	Water	SM 2540C	
720-62802-11	IW-4	Total/NA	Water	SM 2540C	
720-62802-12	IW-5	Total/NA	Water	SM 2540C	
720-62802-13	IW-6	Total/NA	Water	SM 2540C	
LCS 500-275255/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-275255/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 275407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62802-4	MW-8	Total/NA	Water	SM 4500 S2 F	
720-62802-5	MW-9	Total/NA	Water	SM 4500 S2 F	
720-62802-6	MW-10	Total/NA	Water	SM 4500 S2 F	
720-62802-7	MW-11	Total/NA	Water	SM 4500 S2 F	
720-62802-8	MW-13	Total/NA	Water	SM 4500 S2 F	
720-62802-9	MW-14	Total/NA	Water	SM 4500 S2 F	
720-62802-10	IW-3	Total/NA	Water	SM 4500 S2 F	
720-62802-11	IW-4	Total/NA	Water	SM 4500 S2 F	
720-62802-12	IW-5	Total/NA	Water	SM 4500 S2 F	
720-62802-13	IW-6	Total/NA	Water	SM 4500 S2 F	
LCS 500-275407/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	

General Chemistry (Continued)

Analysis Batch: 275407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-275407/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Client Sample ID: TB-1

Lab Sample ID: 720-62802-1

Date Collected: 02/05/15 09:00

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 12:47	ASC	TAL PLS

Client Sample ID: MW-3

Lab Sample ID: 720-62802-2

Date Collected: 02/05/15 14:25

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 13:16	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/11/15 22:09	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 13:32	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		2	175530	02/10/15 13:29	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:14	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 16:37	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/05/15 23:21	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/05/15 23:21	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275125	02/08/15 23:08	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275254		CLB	TAL CHI
					(Start)	02/10/15 00:12		
					(End)	02/10/15 00:15		

Client Sample ID: MW-4

Lab Sample ID: 720-62802-3

Date Collected: 02/05/15 11:25

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 14:44	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/11/15 22:32	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 13:47	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175530	02/10/15 11:43	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:29	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 16:43	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 01:03	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 01:03	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275125	02/08/15 23:10	CLB	TAL CHI

Client Sample ID: MW-4

Lab Sample ID: 720-62802-3

Date Collected: 02/05/15 11:25

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 F		1	275254		CLB	TAL CHI
					(Start)	02/10/15 00:15		
					(End)	02/10/15 00:18		

Client Sample ID: MW-8

Lab Sample ID: 720-62802-4

Date Collected: 02/05/15 13:00

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 15:14	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/11/15 22:55	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 14:01	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 01:31	JXL	TAL PLS
Dissolved	Prep	3005A			175584	02/10/15 14:59	ASB	TAL PLS
Dissolved	Analysis	6010B		1	175678	02/11/15 13:54	EFH	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 16:58	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 01:38	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 01:38	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275125	02/08/15 23:13	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:14		
					(End)	02/11/15 01:17		

Client Sample ID: MW-9

Lab Sample ID: 720-62802-5

Date Collected: 02/05/15 14:50

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 16:12	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/11/15 23:18	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 14:19	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 01:55	JXL	TAL PLS
Dissolved	Prep	3005A			175584	02/10/15 14:59	ASB	TAL PLS
Dissolved	Analysis	6010B		1	175678	02/11/15 14:00	EFH	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:03	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 02:12	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 02:12	EYT	TAL PLS

Client Sample ID: MW-9

Lab Sample ID: 720-62802-5

Date Collected: 02/05/15 14:50

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:17		
					(End)	02/11/15 01:20		

Client Sample ID: MW-10

Lab Sample ID: 720-62802-6

Date Collected: 02/05/15 13:25

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 16:41	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/11/15 23:41	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 14:32	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 02:19	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:35	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:09	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 02:46	EYT	TAL PLS
Total/NA	Analysis	300.0		10	175699	02/06/15 03:03	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:13	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:19		
					(End)	02/11/15 01:22		

Client Sample ID: MW-11

Lab Sample ID: 720-62802-7

Date Collected: 02/05/15 13:55

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 17:10	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		2	175645	02/12/15 06:11	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 14:47	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175530	02/10/15 12:07	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		2	175587	02/10/15 14:48	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:14	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 03:20	EYT	TAL PLS

Client Sample ID: MW-11

Lab Sample ID: 720-62802-7

Date Collected: 02/05/15 13:55

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	175699	02/06/15 03:20	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:18	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:22		
					(End)	02/11/15 01:25		

Client Sample ID: MW-13

Lab Sample ID: 720-62802-8

Date Collected: 02/05/15 13:50

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 17:39	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/12/15 00:04	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 15:06	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 03:31	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:45	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:20	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 04:28	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 04:28	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:32	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:25		
					(End)	02/11/15 01:28		

Client Sample ID: MW-14

Lab Sample ID: 720-62802-9

Date Collected: 02/05/15 14:20

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 18:09	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/12/15 00:27	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 15:19	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 02:43	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:51	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:25	SLK	TAL PLS

Client Sample ID: MW-14

Lab Sample ID: 720-62802-9

Date Collected: 02/05/15 14:20

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	175698	02/06/15 05:03	EYT	TAL PLS
Total/NA	Analysis	300.0		10	175699	02/06/15 05:20	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:36	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:28		
					(End)	02/11/15 01:31		

Client Sample ID: IW-3

Lab Sample ID: 720-62802-10

Date Collected: 02/05/15 13:30

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175454	02/09/15 18:38	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/12/15 00:50	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 15:32	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	175459	02/10/15 03:07	JXL	TAL PLS
Dissolved	Prep	3005A			175584	02/10/15 14:59	ASB	TAL PLS
Dissolved	Analysis	6010B		1	175678	02/11/15 14:05	EFH	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:30	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 05:37	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 05:37	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:41	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:31		
					(End)	02/11/15 01:34		

Client Sample ID: IW-4

Lab Sample ID: 720-62802-11

Date Collected: 02/05/15 11:40

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		5	175454	02/09/15 19:07	ASC	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/12/15 01:13	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 15:50	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175476	02/09/15 10:37	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		20	175530	02/10/15 12:56	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 18:56	SLK	TAL PLS

Client Sample ID: IW-4

Lab Sample ID: 720-62802-11

Date Collected: 02/05/15 11:40

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:36	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 06:11	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 06:11	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:46	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:34		
					(End)	02/11/15 01:37		

Client Sample ID: IW-5

Lab Sample ID: 720-62802-12

Date Collected: 02/05/15 15:20

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175574	02/10/15 20:16	PDR	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		10	175738	02/12/15 14:30	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 16:04	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175558	02/10/15 10:21	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		50	175631	02/11/15 12:44	JXL	TAL PLS
Dissolved	Prep	3005A			175471	02/09/15 09:59	JCR	TAL PLS
Dissolved	Analysis	6010B		1	175555	02/09/15 19:01	SLK	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:41	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 06:45	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 06:45	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:50	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:37		
					(End)	02/11/15 01:40		

Client Sample ID: IW-6

Lab Sample ID: 720-62802-13

Date Collected: 02/05/15 14:50

Matrix: Water

Date Received: 02/05/15 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	175574	02/10/15 20:46	PDR	TAL PLS
Total/NA	Prep	3510C			175494	02/09/15 15:21	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	175645	02/12/15 01:59	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	235306	02/10/15 16:17	EI	TAL IRV
Silica Gel Cleanup	Prep	3510C SGC			175558	02/10/15 10:21	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		2	175631	02/11/15 13:08	JXL	TAL PLS

Lab Chronicle

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

TestAmerica Job ID: 720-62802-1

Client Sample ID: IW-6

Date Collected: 02/05/15 14:50
Date Received: 02/05/15 19:15

Lab Sample ID: 720-62802-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			175584	02/10/15 14:59	ASB	TAL PLS
Dissolved	Analysis	6010B		1	175678	02/11/15 14:10	EFH	TAL PLS
Total/NA	Prep	3010A			175451	02/07/15 12:18	CTD	TAL PLS
Total/NA	Analysis	6010B		1	175710	02/11/15 17:46	SLK	TAL PLS
Total/NA	Analysis	300.0		1	175698	02/06/15 07:53	EYT	TAL PLS
Total/NA	Analysis	300.0		1	175699	02/06/15 07:53	EYT	TAL PLS
Total/NA	Analysis	SM 2540C		1	275255	02/10/15 04:55	CLB	TAL CHI
Total/NA	Analysis	SM 4500 S2 F		1	275407		CLB	TAL CHI
					(Start)	02/11/15 01:39		
					(End)	02/11/15 01:42		

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: 720-62802-1

Laboratory: TestAmerica Pleasanton

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

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

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-15
California	State Program	9	2903	04-30-15
Georgia	State Program	4	N/A	04-30-15
Georgia	State Program	4	939	04-30-15
Hawaii	State Program	9	N/A	04-30-15
Illinois	NELAP	5	100201	04-30-15
Indiana	State Program	5	C-IL-02	04-30-15
Iowa	State Program	7	82	05-01-16
Kansas	NELAP	7	E-10161	03-31-15 *
Kentucky (UST)	State Program	4	66	04-30-15
Kentucky (WW)	State Program	4	KY90023	12-31-15
Massachusetts	State Program	1	M-IL035	06-30-15
Mississippi	State Program	4	N/A	04-30-15
New York	NELAP	2	IL00035	03-31-15
North Carolina (WW/SW)	State Program	4	291	12-31-15
North Dakota	State Program	8	R-194	04-30-15
Oklahoma	State Program	6	8908	08-31-15
South Carolina	State Program	4	77001	04-30-15
USDA	Federal		P330-15-00038	02-11-18
Wisconsin	State Program	5	999580010	08-31-15
Wyoming	State Program	8	8TMS-Q	04-30-15

Laboratory: TestAmerica Irvine

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

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 720-62802-1

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: 720-62802-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62802-1	TB-1	Water	02/05/15 09:00	02/05/15 19:15
720-62802-2	MW-3	Water	02/05/15 14:25	02/05/15 19:15
720-62802-3	MW-4	Water	02/05/15 11:25	02/05/15 19:15
720-62802-4	MW-8	Water	02/05/15 13:00	02/05/15 19:15
720-62802-5	MW-9	Water	02/05/15 14:50	02/05/15 19:15
720-62802-6	MW-10	Water	02/05/15 13:25	02/05/15 19:15
720-62802-7	MW-11	Water	02/05/15 13:55	02/05/15 19:15
720-62802-8	MW-13	Water	02/05/15 13:50	02/05/15 19:15
720-62802-9	MW-14	Water	02/05/15 14:20	02/05/15 19:15
720-62802-10	IW-3	Water	02/05/15 13:30	02/05/15 19:15
720-62802-11	IW-4	Water	02/05/15 11:40	02/05/15 19:15
720-62802-12	IW-5	Water	02/05/15 15:20	02/05/15 19:15
720-62802-13	IW-6	Water	02/05/15 14:50	02/05/15 19:15

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 150205-GR1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF 159140 DHS #

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

720-62802

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C	TPH-Gro, BTEX, MTBE, Naphthalene, 1,2-DCS, EDB (8260)	DRO w/ SGC	Methane	Nitrate, Sulfate, TDS (Short holds)	Sulfide	Total Diss. Iron, Manganese (Field Filtered)	Magnesium	PAH's	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB-1	02/05/15	0900	W	4	VOA's		X											1
MW-3		1425	W	14	Mixed		X	X	X	X	X	X	X	X				2
MW-4		1125	W	14			X	X	X	X	X	X	X	X				3
MW-8		1300	W	14			X	X	X	X	X	X	X	X				4
MW-9		1450	W	14			X	X	X	X	X	X	X	X				5
MW-10		1325	W	14			X	X	X	X	X	X	X	X				6
MW-11		1355	W	14			X	X	X	X	X	X	X	X				7
MW-13		1350	W	14			X	X	X	X	X	X	X	X				8
MW-14		1420	W	14			X	X	X	X	X	X	X	X				9
IW-3		1330	W	14			X	X	X	X	X	X	X	X				10

SAMPLING COMPLETED DATE 02/05/15 TIME 1530
SAMPLING PERFORMED BY Gregory Roberts, Lee Burres

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	02/05/15	1715		2.5.15	1715
	2-5-15	1915		2/5/15	1915

SHIPPED VIA

DATE SENT | TIME SENT | COOLER # | 0.8 | 1.3 | 0.9 | 2.4 | 1.5 | 2.5 °c

720-62802 Chain of Custody

2/12/2015

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 150205-CR21

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF 159140 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER 720-62802

2/12/2015

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	CONTAINERS mixed	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 #
IW-4	02/05/15	1140	W	14			X	X	X	X	X	X	X	X				11
IW-5		1520	W	14			X	X	X	X	X	X	X	X				12
IW-6		1450	W	14			X	X	X	X	X	X	X	X				13

SAMPLING COMPLETED DATE 02/05/15 TIME 1530
SAMPLING PERFORMED BY Gregory Roberts, Lee Burns

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	02/05/15	1715		2.5.15	1715
	2.5.15	1915		2/5/15	1915

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-62802-1

Login Number: 62802

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
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.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-62802-1

Login Number: 62802
List Number: 2
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago
List Creation: 02/07/15 11:50 AM

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-62802-1

Login Number: 62802
List Number: 3
Creator: Ornelas, Olga

List Source: TestAmerica Irvine
List Creation: 02/09/15 02:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	