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

Subject:
First Semiannual 2016 Groundwater Monitoring Report
UPS Oakland Hub
8400 Pardee Drive, Oakland, CA 94621
Global ID #T0600100939
State ID #583
USEPA ID #CAD 09707509

RECEIVED
By Alameda County Environmental Health 3:32 pm, Mar 24, 2016

Dear Mr. Nowell:

Attached please find the *First Semiannual 2016 Groundwater Monitoring Report* for the above-referenced site (the Site). The report, which was prepared for United Parcel Service (UPS) by Arcadis U.S., Inc., presents the results of the semiannual groundwater monitoring event that was performed at the Site on February 26, 2016. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached *First Semiannual 2016 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

ARCADIS Design & Consultancy for natural and built assets

United Parcel Service

FIRST SEMIANNUAL 2016 GROUNDWATER MONITORING REPORT

UPS Oakland Hub

March 24, 2016

,

FIRST SEMIANNUAL 2016 GROUNDWATER MONITORING REPORT

UPS Oakland Hub
8400 Pardee Drive
Oakland, California

Eric Epple
Staff Geoscientist

Jennifer Halcomb-LeBeau
Project Geologist

Gregory Albright
Principal Geologist
Professional Geologist – CA No. 5098

Prepared for:
United Parcel Service

Prepared by:
Arcadis U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco
California 94104
Tel 415 374 2744
Fax 415 374 2745

Our Ref.:
B0038398.0022.00300

Date:
March 24, 2016

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
Arcadis	Arcadis U.S., Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
CAP	Corrective Action Plan
COCs	constituents of concern
DOT	Department of Transportation
DTP	depth to product
DTW	depth to water
ESL	environmental screening level
ft	foot or feet
FP	free product
µg/L	micrograms per liter
MTBE	methyl tert-butyl ether
PAHs	polycyclic aromatic hydrocarbons
RWQCB	Regional Water Quality Control Board
SGC	silica gel cleanup
TDS	total dissolved solids
TestAmerica	TestAmerica Laboratories, Inc.
TPH-DRO	total petroleum hydrocarbons as diesel range organics
TPH-GRO	total petroleum hydrocarbons as gasoline range organics
UPS	United Parcel Service
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank

1 INTRODUCTION

On behalf of United Parcel Service (UPS), Arcadis U.S., Inc. (Arcadis) is submitting this *First Semiannual 2016 Groundwater Monitoring Report*, which summarizes groundwater monitoring activities conducted on February 26, 2016, in accordance with the *Corrective Action Plan* (CAP; Arcadis 2011). The Site is located at 8400 Pardee Drive in Oakland, California (**Figure 1**).

2 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 (bgs). Currently, the grade at the Site is approximately 10 ft amsl. The Site is located on a narrow peninsula south of San Leandro Bay.

The 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.

Detailed historical information has been provided in previous reports. A Facility Layout Map and Site Map are included as **Figure 2** and **Figure 3**, respectively.

3 GROUNDWATER MONITORING ACTIVITIES

On February 26, 2016, groundwater monitoring activities were completed at the Site. Depth to product (DTP), if present, and depth to water (DTW) were measured in the monitoring and injections wells prior to sample collection using an oil-water interface probe.

Groundwater samples were collected for laboratory analysis from monitoring wells MW-2, MW-3, MW-4, MW-8 through MW-11, MW-13 through MW-23, MW-25 through MW-29 and injection wells IW-3, IW-5, and IW-6. Groundwater samples were not collected from monitoring wells MW-12 and MW-24, observation well OW-1, and injection wells IW-1 and IW-2 due to the presence of free product (FP). Injection well IW-4 was not sampled due to a parked truck preventing access to the well after gauging.

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 recharged for at least 2 hours or to at least 80 percent of the initial casing volume (**Appendix A**).

Groundwater samples collected during the sampling event were submitted to TestAmerica Laboratories, Inc. (TestAmerica) in Pleasanton, California, for analysis of the following constituents of concern (COCs):

- Benzene, toluene, ethylbenzene and total xylenes (BTEX); methyl tert-butyl ether (MTBE); and naphthalene by United States Environmental Protection Agency (USEPA) Method 8260B
- Total petroleum hydrocarbons in the diesel range organics (TPH-DRO) with and without silica gel cleanup (SGC) by USEPA Method 8015B
- Total petroleum hydrocarbons in the gasoline range organics (TPH-GRO) by USEPA Method 8260B/California Leaking Underground Fuel Tank
- Polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270
- Dissolved methane by RSK-175
- Total dissolved solids (TDS) by SM2540

Purge water was contained in Department of Transportation (DOT)-approved drums for subsequent disposal. Well gauging and sampling data are included in **Appendix A**.

4 GROUNDWATER MONITORING RESULTS

The following sections summarize the results from groundwater monitoring activities completed at the Site during this reporting period.

4.1 Well Gauging Results

On February 26, 2016, groundwater elevations ranged from 1.64 ft amsl in monitoring well MW-17 to 7.47 ft amsl in monitoring well MW-14. During the monitoring event, measureable FP was detected in five monitoring wells (MW-2, MW-3, MW-11, MW-12, and MW-24), three injection wells (IW-1, IW-2, and IW-6), and one observation well (OW-1). Measureable FP thicknesses ranged from 0.01 feet in several wells to 0.72 feet in injection well IW-2. As of September 3, 2015, approximately 9.64 gallons of FP had been removed from the Site; however, no FP was removed during this reporting period.

Historical groundwater gauging and elevation data are summarized in **Table 1**. A groundwater contour map was prepared using groundwater elevation data and presented as **Figure 4**. The direction of groundwater flow was generally to the southeast during the monitoring event with a north-northwest component caused by the former underground storage tanks (UST) pit. The groundwater flow direction is generally consistent with historical data. Well gauging data is included in field documents as **Appendix A**.

4.2 Groundwater Sampling Results

Detected concentrations of COCs were screened against the California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region Environmental Screening Levels (ESLs; RWQCB 2016). Based on the request from the RWQCB, TPH-DRO was analyzed with and without silica gel cleanup and naphthalene was analyzed by USEPA method 8260 and 8270. The laboratory analytical results from the February 2016 groundwater monitoring event are summarized as follows:

- BTEX and MTBE were not detected above the laboratory reporting limits in any of the sampled wells.
- TPH-GRO was detected above the RWQCB ESL of 100 micrograms per liter (µg/L) in monitoring wells MW-2 (120 µg/L), MW-3 (250 µg/L), MW-4 (310 µg/L), and MW-22 (240 µg/L); and in injection wells IW-5 (510 µg/L) and IW-6 (160 µg/L).
- TPH-DRO with silica gel cleanup exceeded the non-drinking water RWQCB ESL of 100 µg/L in monitoring wells MW-2 (6,500 µg/L), MW-3 (2,200 µg/L), MW-4 (1,300 µg/L), MW-11 (430 µg/L), MW-16 (200 µg/L), MW-18 (980 µg/L), MW-19 (110 µg/L), MW-20 (820 µg/L), MW-21 (1,600 µg/L), MW-22 (35,000 µg/L), MW-23 (5,000 µg/L), MW-25 (1,100 µg/L), and MW-28 (160 µg/L); and injection wells IW-5 (26,000 µg/L), and IW-6 (1,800 µg/L). TPHD results without silica gel cleanup are included in **Table 3**.
- Naphthalene was detected using USEPA Method 8260 above the RWQCB ESL of 0.12 µg/L in monitoring wells MW-3 (1.3 µg/L), MW-8 (41 µg/L), MW-22 (3.6 µg/L), MW-23 (1.2 µg/L), and MW-25 (270 µg/L); and injection wells IW-5 (2.3 µg/L), and IW-6 (1.2 µg/L).
- Naphthalene was detected using USEPA Method 8270 above the RWQCB ESL of 0.12 µg/L in monitoring wells MW-2 (0.43 µg/L), MW-4 (0.28 µg/L), MW-13 (0.20 µg/L), MW-16 (0.30 µg/L), MW-

19 (0.36 µg/L), MW-20 (0.41 µg/L), MW-21 (0.43 µg/L), and MW-29 (0.23 µg/L); and injection well IW-3 (0.50 µg/L.

- Various PAHs (besides naphthalene) were detected above their respective RWQCB in monitoring wells MW-22 and MW-25; and injection well IW-5.

Analytical data from the February 26, 2016 sampling event are summarized in **Tables 2** and **Table 3** and depicted on **Figure 5**. Laboratory analytical results and chain-of-custody documentation for the sampling event are included in **Appendix B**.

5 SUMMARY

The following is a summary of the groundwater monitoring activities completed during this reporting period:

- Groundwater elevations and apparent groundwater flow direction was to the southeast and generally consistent with historical conditions at the Site during the February 26, 2016 monitoring event.
- Measureable FP was detected in five monitoring wells (MW-2, MW-3, MW-11, MW-12 and MW-24); three injection wells (IW-1, IW-2, and IW-6); and one observation well (OW-1) during the February 26, 2016 monitoring event. FP thicknesses ranged from 0.01 feet in several wells to 0.72 feet in injection well IW-2
- BTEX and MTBE were not detected above the laboratory reporting limits or the corresponding RWQCB ESLs in any of the sampled wells during the monitoring event.
- TPH-GRO was detected above the RWQCB ESL for drinking water in monitoring wells MW-2 through MW-4 and MW-22; and in injection wells IW-5 and IW-6.
- TPH-DRO was detected with silica gel cleanup above the RWQCB ESL in monitoring wells MW-2 through MW-4, MW-11, MW-16, MW-18 through MW-23, MW-25, and MW-28; and injection wells IW-5 and IW-6.
- Naphthalene was detected using USEPA method 8260 and 8270 above the RWQCB ESL for drinking water in monitoring wells MW-2 through MW-4, MW-8, MW-13, MW-16, MW-19 through MW-23, MW-25, and MW-29; and injection wells IW-3, IW-5, and IW-6.
- PAHs (besides naphthalene) were detected above their respective RWQCB ESLs in monitoring wells MW-22 and MW-25; and injection well IW-5.

Groundwater delineation details for individual compounds and recommendations for continued groundwater monitoring activities were provided in the *Field Investigation and Second Semiannual Groundwater Monitoring Report* (Arcadis 2015). Arcadis will continue to perform groundwater monitoring on a semiannual basis at the Site.

6 REFERENCES

Arcadis. 2011. *Corrective Action Plan,* UPS Oakland Hub, 8400 Pardee Drive, Oakland, California. December 2011.

Arcadis. 2015. *Field Investigation and Second Semiannual Groundwater Monitoring Report*. November 2015.

RWQCB. 2016. *Environmental Screening Levels* (http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.shtml). February 2016.

TABLES

TABLE 1
Historical Groundwater Elevation Summary
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl 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

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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-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			

TABLE 1
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UPS Oakland Hub
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Gloabl 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	8/28/1990	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
		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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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	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
	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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Gloabl ID #T0600100939

Monitoring Well	Reference Elevation* (ft amsl)	Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-2	9.63	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

TABLE 1
Historical Groundwater Elevation Summary
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)
MW-2	9.63	9/1/2015	5.04	4.59	0.00	NR
		2/26/2016	4.21	5.43	0.01	NR
MW-2 Product recovered prior to skimmer installation (Pre 6/14/2011):						1826.30
MW-2 Product recovered post-skimmer installation (Post 6/14/2011):						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

TABLE 1
Historical Groundwater Elevation Summary
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Monitoring Well	Reference Elevation* (ft amsl)	Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-3	7.42	2/23/2005	2.50	4.92	0.00	NR
		3/23/2005	2.48	4.94	0.00	NR
		4/29/2005	2.59	4.83	0.00	NR
		5/27/2005	2.75	4.67	0.00	NR
		6/29/2005	3.05	4.37	0.00	NR
		7/20/2005	3.10	4.32	0.00	NR
		8/24/2005	3.45	3.97	0.00	NR
		9/27/2005	3.71	3.71	0.00	NR
		10/19/2005	3.73	3.69	0.00	NR
		11/29/2005	3.75	3.67	0.00	NR
		12/29/2005	3.08	4.34	0.00	NR
		1/31/2006	2.99	4.43	0.00	NR
		2/28/2006	2.95	4.47	0.00	NR
		3/27/2006	2.60	4.82	0.00	NR
		4/28/2006	2.90	4.52	0.00	NR
		6/27/2006	3.01	4.41	0.00	NR
		7/31/2006	4.33	3.09	0.00	NR
		8/29/2006	3.62	3.80	0.00	NR
		9/28/2006	3.80	3.62	0.00	NR
		10/27/2006	3.90	3.52	0.00	NR
		11/22/2006	3.60	3.82	0.00	NR
		12/26/2006	3.07	4.35	0.00	NR
		1/25/2007	3.25	4.17	0.00	NR
		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

TABLE 1
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Monitoring Well	Reference Elevation* (ft amsl)	Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-3	7.42	10/29/2010	4.70	5.19	0.00	NR
	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

TABLE 1
Historical Groundwater Elevation Summary
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Monitoring Well	Reference Elevation* (ft amsl)	Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)	Product Thickness (feet)	Volume of Product Recovered (mL)
MW-3	9.89	2/5/2015	4.22	5.67	0.00	NR
		9/1/2015	4.93	4.96	0.00	NR
		2/26/2016	3.96	5.94	0.01	NR
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
		9/1/2015	4.80	4.97	0.00	NR
		10/14/2015	5.15	4.62	0.00	NR
		2/26/2016	3.79	5.98	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

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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	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
		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
		9/1/2015	3.99	4.23	0.00	NR
		2/26/2016	2.95	5.27	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

TABLE 1
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UPS Oakland Hub
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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	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
		1/30/2015	5.62	5.48	0.00	NR
		2/5/2015	6.00	5.10	0.00	NR
		9/1/2015	6.25	4.85	0.00	NR
		10/14/2015	6.55	4.55	0.00	NR
		2/26/2016	5.72	5.38	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
		9/1/2015	8.27	1.41	0.00	NR
		2/26/2016	7.52	2.16	0.00	NR

TABLE 1
Historical Groundwater Elevation Summary
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl 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-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
		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
		9/1/2015	6.27	3.22	0.00	NR
		10/14/2015	6.71	2.78	0.00	NR
		2/26/2016	5.04	4.46	0.01	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

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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-12	9.43	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
		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
		9/1/2015	5.87	4.04	0.57	NR
		9/25/2015	6.21	3.82	0.71	NR
		2/26/2016	4.53	5.50	0.70	NR
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
		9/1/2015	4.61	4.49	0.00	NR
		2/26/2016	3.61	5.49	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	3/19/2012	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
		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
		9/1/2015	4.23	5.06	0.00	NR
		2/26/2016	1.82	7.47	0.00	NR
MW-15	9.44	9/1/2015	4.78	4.66	0.00	NR
		9/25/2015	5.00	4.44	0.00	NR
		10/14/2015	5.12	4.32	0.00	NR
		2/26/2016	3.81	5.63	0.00	NR
MW-16	9.57	9/1/2015	8.86	0.71	0.00	NR
		9/25/2015	7.18	2.39	0.00	NR
		10/14/2015	6.37	3.20	0.00	NR
		2/26/2016	2.71	6.86	0.00	NR
MW-17	9.02	9/1/2015	11.18	-2.16	0.00	NR
		9/25/2015	9.16	-0.14	0.00	NR
		2/26/2016	7.38	1.64	0.00	NR
MW-18	9.92	9/1/2015	8.24	1.68	0.00	NR
		9/25/2015	6.64	3.28	0.00	NR
		10/14/2015	6.31	3.61	0.00	NR
		2/26/2016	3.60	6.32	0.00	NR
MW-19	9.64	9/1/2015	8.75	0.89	0.00	NR
		9/25/2015	8.08	1.56	0.00	NR
		2/26/2016	2.54	7.10	0.00	NR
MW-20	9.69	9/1/2015	4.72	4.97	0.00	NR
		10/14/2015	5.12	4.57	0.00	NR
		2/26/2016	3.84	5.85	0.00	NR
MW-21	9.43	9/1/2015	4.57	4.86	0.00	NR
		2/26/2016	3.54	5.89	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-22	9.47	9/1/2015	4.87	4.60	0.00	NR
		10/14/2015	5.31	4.16	0.00	NR
		2/26/2016	3.83	5.64	0.00	NR
MW-23	10.83	9/1/2015	6.79	4.04	0.00	NR
		9/25/2015	7.00	3.83	0.00	NR
		10/14/2015	7.11	3.72	0.00	NR
		2/26/2016	5.69	5.14	0.00	NR
MW-24	9.14	9/1/2015	5.12	4.02	0.00	NR
		9/25/2015	5.56	3.80	0.26	NR
		2/26/2016	4.00	5.57	0.50	NR
MW-25	8.42	9/1/2015	5.81	2.61	0.00	NR
		2/26/2016	5.42	3.00	0.00	NR
MW-26	8.86	9/1/2015	4.97	3.89	0.00	NR
		9/25/2015	5.15	3.71	0.00	NR
		2/26/2016	3.54	5.32	0.00	NR
MW-27	9.16	9/1/2015	4.70	4.46	0.00	NR
		9/25/2015	4.87	4.29	0.00	NR
		2/26/2016	3.30	5.86	0.00	NR
MW-28	11.52	9/1/2015	7.56	3.96	0.00	NR
		2/26/2016	7.34	4.18	0.00	NR
MW-29	10.38	9/1/2015	6.63	3.75	0.00	NR
		2/26/2016	6.16	4.22	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

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UPS Oakland Hub
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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	NA	4/19/2004	6.29	NC	0.03	116.00
		5/20/2004	6.16	NC	0.00	NR
		6/22/2004	6.37	NC	0.00	NR
		7/27/2004	5.67	NC	0.04	225.00
		8/24/2004	6.81	NC	0.00	NR
		9/29/2004	7.08	NC	0.04	153.00
		10/25/2004	6.74	NC	0.04	NR
		12/15/2004	5.33	NC	0.04	155.00
		1/24/2005	3.98	NC	0.00	NR
		2/23/2005	3.44	NC	0.01	NR
		3/23/2005	3.34	NC	0.02	77.00
		4/29/2005	6.89	NC	0.13	501.00
		5/27/2005	7.18	NC	0.11	425.00
		6/29/2005	7.12	NC	0.10	450.00
		7/20/2005	7.20	NC	0.10	556.00
		8/24/2005	7.15	NC	0.06	249.00
		9/27/2005	7.43	NC	0.12	450.00
		10/19/2005	7.48	NC	0.11	425.00
		11/29/2005	7.00	NC	0.04	NR
		12/29/2005	5.22	NC	0.00	NR
		1/31/2006	5.64	NC	0.00	NR
		2/28/2006	6.53	NC	0.01	39.00
		3/27/2006	5.80	NC	0.01	NR
		4/28/2006	6.39	NC	0.00	NR
		6/27/2006	7.82	NC	0.06	NR
		7/31/2006	5.82	NC	0.05	NR
		8/29/2006	7.05	NC	0.07	NR
		9/28/2006	7.10	NC	0.02	NR
		10/27/2006	7.27	NC	0.02	NR
		11/22/2006	7.05	NC	0.02	NR
		12/26/2006	6.73	NC	0.03	NR
		1/25/2007	7.15	NC	0.00	NR
		2/16/2007	7.71	NC	0.01	NR
		3/19/2007	6.77	NC	0.02	NR
		4/26/2007	6.66	NC	0.01	NR
		5/29/2007	6.86	NC	0.02	76.00
		6/28/2007	6.97	NC	0.20	75.00
		7/30/2007	7.06	NC	0.01	NR
		8/30/2007	7.25	NC	0.03	NR
		9/25/2007	7.25	NC	0.03	115.00
		10/29/2007	7.43	NC	0.02	78.00
		11/29/2007	7.37	NC	0.00	NR
		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

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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	NA	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
		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

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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	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
		9/1/2015	7.76	1.88	0.11	NR
		2/26/2016	7.13	2.50	0.09	NR
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

TABLE 1
Historical Groundwater Elevation Summary
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl 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)
IW-1	9.50	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
		9/1/2015	6.05	4.04	0.69	NR
		2/26/2016	4.91	5.19	0.70	NR
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
		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	6.00
		9/1/2015	5.40	4.22	0.70	NR
		9/25/2015	5.78	3.54	0.35	NR
		2/26/2016	4.52	5.11	0.72	NR
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

TABLE 1
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Gloabl 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)
IW-3	8.93	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
		9/1/2015	4.80	4.13	0.00	NR
		2/26/2016	3.78	5.15	0.00	NR
IW-4	9.96	3/19/2012	3.00	6.96	0.00	NR
		6/5/2012	3.77	6.19	0.00	NR
		8/1/2012	4.64	5.33	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
		9/1/2015	4.97	4.99	0.00	NR
		9/25/2015	5.21	4.75	0.00	NR
		2/26/2016	3.98	5.98	0.00	NR

TABLE 1
Historical Groundwater Elevation Summary
UPS Oakland Hub
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Gloabl 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)
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
		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
		2/26/2016	4.07	5.81	0.00	NR
IW-6	9.67	9/1/2015	5.04	4.84	0.00	NR
		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

TABLE 1
Historical Groundwater Elevation Summary
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl 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)
IW-6	9.67	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
		9/1/2015	4.96	4.71	0.00	NR
		2/26/2016	3.29	6.39	0.01	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):						3.28
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
Groundwater Monitoring Results
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl 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)	Conductivity (µS/cm)	Methane (µg/L)	Naphthalene (µg/L)	TDS (mg/L)
Field Analysis	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**5,000**	**--**	**--**	**3,000**
Tier 1 ESL	**--**	**1**	**40**	**13**	**20**	**5**	**100**	**100**	**--**	**--**	**0.12**	**--**
MW-2	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**120**	**8,100 / 6,500 ***	**6,130**	1,800	<1.0	**3,600**
MW-3	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**250**	**12,000 / 2,200 ***	2,056	2,900	**1.3**	870
MW-4	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**310**	**9,500 / 1,300 ***	1,979	4,900	<1.0	1,300
MW-8	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	64	**300** / <50 *	**10,260**	810	**41**	2,800
MW-9	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**210** / <49 *	**22,000**	2,300	<1.0	**12,000**
MW-10	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**390** / <50 *	**9,426**	5,000	<1.0	**5,400**
MW-11	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**1,300 / 430 ***	2,839	5,600	<1.0	1,900
MW-12	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NM**	NS**	NS**	NS**
MW-13	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**750** / <52 *	1,690	7,200	<1.0	1,100
MW-14	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**700** / <50 *	3,257	480	<1.0	710
MW-15	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**430** / <50 *	3,911	3,700	<1.0	1,200
MW-16	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**1,500 / 200 ***	3,069	4,600	<1.0	2,100
MW-17	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	70 / <51 *	1,207	4,300	<1.0	**6,800**
MW-18	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**2,100 / 980 ***	703	2,700	<1.0	1,300
MW-19	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**1,300 / 110 ***	2,291	4,700	<1.0	**5,100**
MW-20	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	67	**4,600 / 820 ***	2,617	4,600	<1.0	1,600
MW-21	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	94	**8,100 / 1,600 ***	2,250	5,600	<1.0	1,400
MW-22	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**240**	**68,000 / 35,000 ***	2,621	5,200	**3.6**	1,700
MW-23	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	100	**11,000 / 5,000 ***	3,521	6,800	**1.2**	2,200
MW-24	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NM**	NS**	NS**	NS**
MW-25	2/26/2016	<2.5	<2.5	<2.5	<5.0	<2.5	<250	**3,700 / 1,100 ***	3,495	4,200 E	**270**	2,500
MW-26	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**250** / <53 *	2,675	4,100	<1.0	1,500
MW-27	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**890** / <51 *	4,200	1,800	<1.0	1,500
MW-28	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**1,400 / 160 ***	4,453	6,300	<1.0	2,700
MW-29	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**930** / 67 *	2,461	5,600	<1.0	1,500
OW-1	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NM**	NS**	NS**	NS**
IW-1	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NM**	NS**	NS**	NS**
IW-2	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NM**	NS**	NS**	NS**
IW-3	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	<50	**670** / 60 *	3,089	8,100	<1.0	2,500
IW-4	2/26/2016	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NM***	NS***	NS***	NS***
IW-5	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**510**	**42,000 / 26,000 ***	1,813	8,900	**2.3**	1,100
IW-6	2/26/2016	<0.50	<0.50	<0.50	<1.0	<0.50	**160**	**6,000 / 1,800 ***	**11,280**	6,600	**1.2**	**9,000**

See notes on Page 2.

TABLE 2
Groundwater Monitoring Results
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl ID #T0600100939

Notes:
1. **Bold values indicate analytical detections above groundwater ESL**.
2. ESLs = Regional Water Quality Control Board Environmental Screening Levels for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - February 2016, San Francisco Bay Region, California.

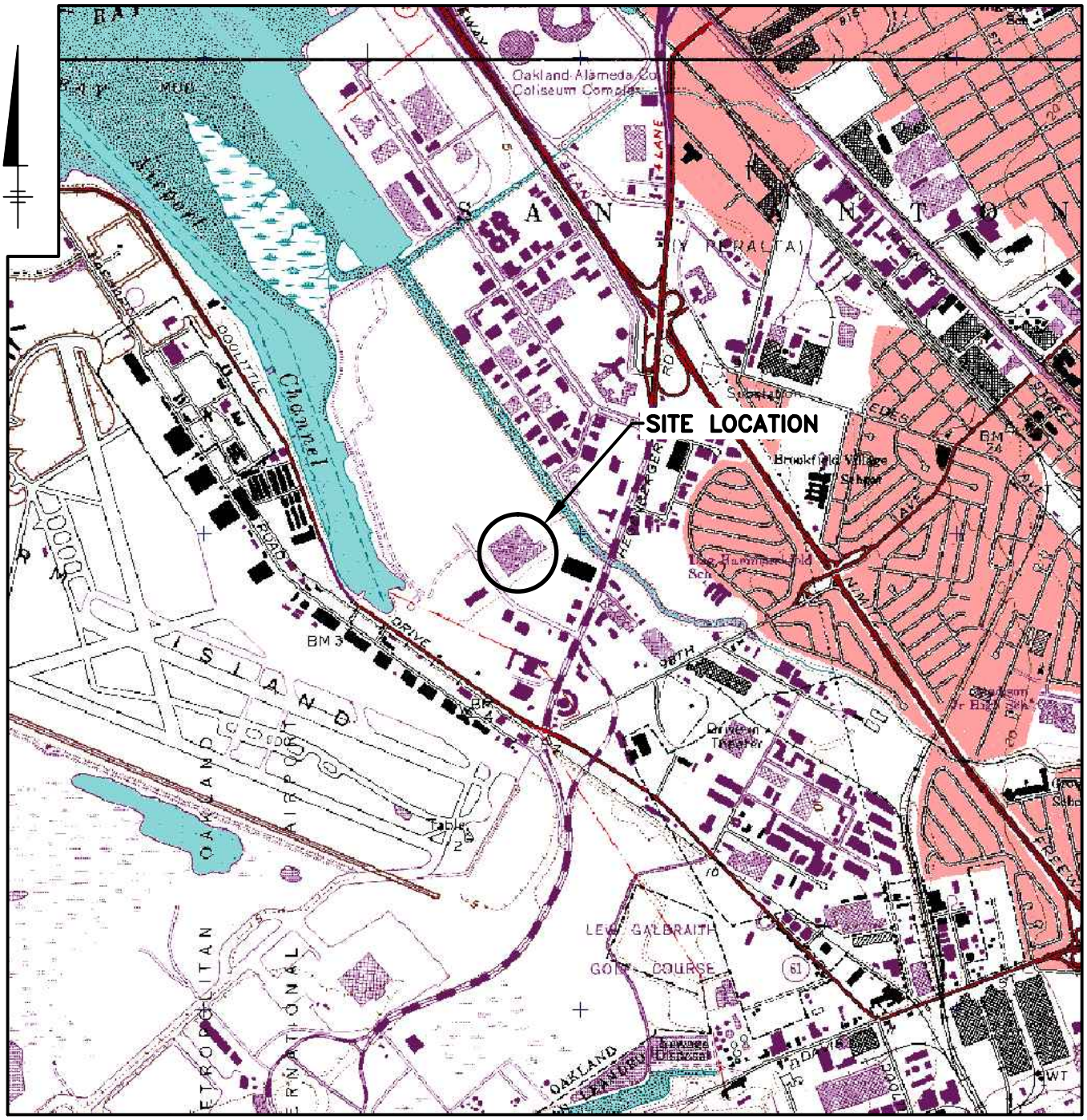
-- = no data
< = less than
> = greater than
E = result exceeded calibration range
ESL = environmental screening level
mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microSiemens per centimeter
MTBE = methyl tert-butyl ether
NM = not measured
NS = not sampled
TDS = total dissolved solids
TPH = total petroleum hydrocarbon
* = Analysis performed using Silica Gel Cleanup
** = not sampled/monitored due to the presence of free product
*** = well inaccessible

TABLE 3
Groundwater Monitoring Results for PAHs
UPS Oakland Hub
8400 Pardee Drive, Oakland, California
Gloabl ID #T0600100939

Monitoring Well	Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a)-anthracene (µg/L)	Benzo(b)-fluoranthene (µg/L)	Benzo(k)-fluoranthene (µg/L)	Benzo(g,h,i)-perylene (µg/L)	Benzo(a)-pyrene (µg/L)	Chrysene (µg/L)	Dibenz(a,h)-anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno-(1,2,3-c,d)pyrene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Naphthalene (µg/L)
Tier 1 ESL	**--**	**20**	**30**	**0.73**	**0.027**	**0.035**	**0.049**	**0.1**	**0.014**	**0.049**	**0.011**	**8**	**3.9**	**0.049**	**4.6**	**2**	**0.12**
MW-2	2/26/2016	0.46	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.7	<0.10	1.0	0.17	**0.43**
MW-3	2/26/2016	1.4	0.42	0.16	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	3.6	<0.10	2.2	<0.10	**0.77**
MW-4	2/26/2016	0.50	0.22	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.7	<0.10	0.19	<0.10	**0.28**
MW-8	2/26/2016	1.3	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.56	<0.10	0.17	<0.10	**14**
MW-9	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-10	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-11	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-12	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
MW-13	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	**0.20**
MW-14	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-15	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-16	2/26/2016	0.24	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.56	<0.11	0.33	<0.11	**0.30**
MW-17	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-18	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	<0.10
MW-19	2/26/2016	0.17	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.36	<0.10	0.22	<0.10	**0.36**
MW-20	2/26/2016	0.52	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.7	<0.10	0.13	<0.10	**0.41**
MW-21	2/26/2016	0.92	0.41	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	3.2	<0.10	0.69	<0.10	**0.43**
MW-22	2/26/2016	3.2	0.66	0.64	<0.10	<0.10	<0.10	<0.10	<0.10	**0.11**	<0.10	0.71	**7.7**	<0.10	**8.3**	0.52	**2.9**
MW-23	2/26/2016	0.84	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	2.0	<0.10	2.1	0.15	**1.1**
MW-24	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
MW-25	2/26/2016	**58**	0.37	**8.3**	**1.6**	**0.44**	**0.19**	<0.11	**0.24**	**1.5**	<0.11	**19**	**47**	<0.11	**88**	**8.0**	**190**
MW-26	2/26/2016	0.15	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	0.13	<0.11	<0.11
MW-27	2/26/2016	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
MW-28	2/26/2016	0.41	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.30	0.20	<0.10	0.46	0.19	0.11
MW-29	2/26/2016	0.22	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	<0.10	**0.23**
OW-1	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
IW-1	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
IW-2	2/26/2016	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**	NS**
IW-3	2/26/2016	2.4	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	1.2	<0.10	1.1	0.12	**0.50**
IW-4	2/26/2016	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***	NS***
IW-5	2/26/2016	2.2	0.69	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**5.9**	<0.10	4.4	0.34	**0.75**
IW-6	2/26/2016	0.75	0.31	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	2.3	<0.10	1.6	<0.10	**0.70**

Notes:
1. **Bold values indicate analytical detections above groundwater ESL.**
2. ESLs = Regional Water Quality Control Board Environmental Screening Levels for Environmental Concerns at Sites with Contaminated Soil and Groundwater INTERIM FINAL - February 2016, San Francisco Bay Region, CA
< = less than
ESL = environmental screening level
NS = not sampled
PAHs = polycyclic aromatic hydrocarbons
µg/L = micrograms per liter
** = not sampled/monitored due to the presence of free product
*** = well inaccessible

FIGURES



Source: USGS 7.5 Min. Topo. Quad., San Leandro, Calif. (1993)

0 2000' 4000'

APPROXIMATE SCALE: 1"=2000'

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

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

LEGEND

AREA OF CONCERN

PROPERTY BOUNDARY

UST UNDERGROUND STORAGE TANK

0 200' 400'

GRAPHIC SCALE

SOURCE: AERIAL PHOTOGRAPHY PROVIDED BY GOOGLE EARTH PRO.

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

FACILITY LAYOUT MAP

ARCADIS Design & Consultancy for natural and built assets

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\ACTIB\0038398 UPS Oakland\00026.400\GMR Feb 2016\B0038398_26_400-N02.dwg LAYOUT: 2 SAVED: 3/18/2016 2:58 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/18/2016 2:59 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 (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

NOTE: SOIL BORING FPB–1, FPB–5, FPB–7 AND FPB–12 WERE ADVANCED IN AUGUST 2015.

0 50’ 100’

GRAPHIC SCALE

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

SITE MAP

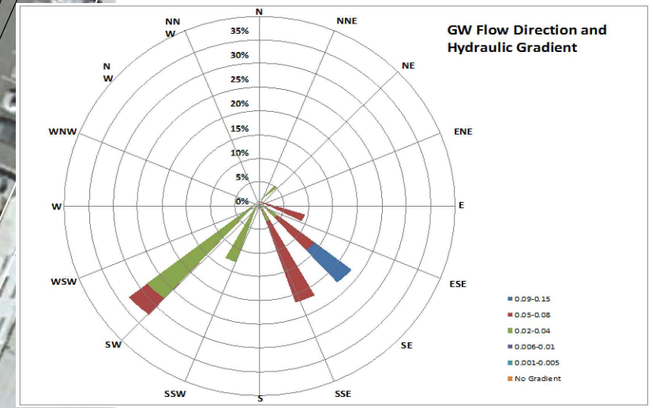
ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* G:\ENVCAD\TAMPA\ACTIB\0\38398 UPS Oakland\0026.400\GMR Feb 2016\B0038398_26_400-B01.dwg LAYOUT: 3 SAVED: 3/21/2016 1:31 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/21/2016 1:32 PM BY: RICHARDS, JIM

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
- 3 — WATER-TABLE ELEVATION CONTOUR DASHED WHERE INFERRED CONTOUR INTERVAL = 1 FOOT
- (5.42) WATER-TABLE ELEVATION (FEET)
- APPARENT DIRECTION OF GROUNDWATER FLOW
- * DATA NOT USED FOR CONTOURING



0 50' 100'

GRAPHIC SCALE

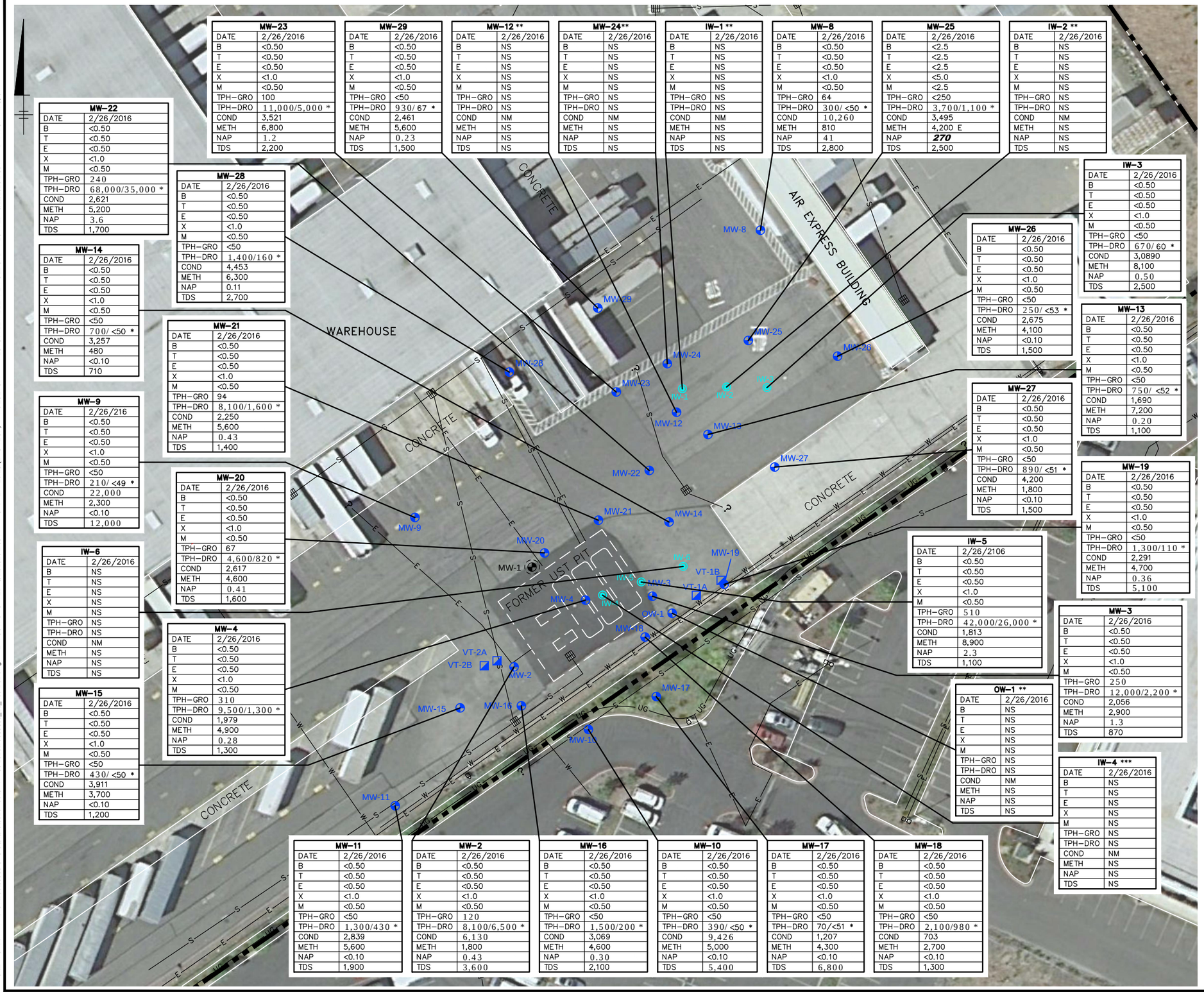
UPS OAKLAND HUB
8400 PARDEE DRIVE, OAKLAND, CALIFORNIA
GLOBAL ID #T0600100939

GROUNDWATER CONTOUR MAP FEBRUARY 26, 2016

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF* G:\ENVCAD\TAMPA\ACT1B0038398 UPS Oakland\00026 400\GMR Feb 2016\B0038398_26_400-B01.dwg LAYOUT: 4 SAVED: 3/22/2016 10:14 AM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/22/2016 10:14 AM BY: RICHARDS, JIM



MW-23	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	100
TPH-DRO	11,000/5,000 *
COND	3,521
METH	6,800
NAP	1.2
TDS	2,200

MW-29	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	930/67 *
COND	2,461
METH	5,600
NAP	0.23
TDS	1,500

MW-12 **	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

MW-24**	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

IW-1 **	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

MW-8	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	64
TPH-DRO	300/<50 *
COND	10,260
METH	810
NAP	41
TDS	2,800

MW-25	
DATE	2/26/2016
B	<2.5
T	<2.5
E	<2.5
X	<5.0
M	<2.5
TPH-GRO	<250
TPH-DRO	3,700/1,100 *
COND	3,495
METH	4,200 E
NAP	***270***
TDS	2,500

IW-2 **	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

MW-22	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	240
TPH-DRO	68,000/35,000 *
COND	2,621
METH	5,200
NAP	3.6
TDS	1,700

MW-28	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	1,400/160 *
COND	4,453
METH	6,300
NAP	0.11
TDS	2,700

IW-3	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	670/60 *
COND	3,0890
METH	8,100
NAP	0.50
TDS	2,500

MW-14	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	700/<50 *
COND	3,257
METH	480
NAP	<0.10
TDS	710

MW-26	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	250/<53 *
COND	2,675
METH	4,100
NAP	<0.10
TDS	1,500

MW-13	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	750/<52 *
COND	1,690
METH	7,200
NAP	0.20
TDS	1,100

MW-9	
DATE	2/26/216
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	210/<49 *
COND	22,000
METH	2,300
NAP	<0.10
TDS	12,000

MW-21	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	94
TPH-DRO	8,100/1,600 *
COND	2,250
METH	5,600
NAP	0.43
TDS	1,400

MW-27	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	890/<51 *
COND	4,200
METH	1,800
NAP	<0.10
TDS	1,500

MW-19	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	1,300/110 *
COND	2,291
METH	4,700
NAP	0.36
TDS	5,100

IW-6	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

MW-20	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	67
TPH-DRO	4,600/820 *
COND	2,617
METH	4,600
NAP	0.41
TDS	1,600

IW-5	
DATE	2/26/2106
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	510
TPH-DRO	42,000/26,000 *
COND	1,813
METH	8,900
NAP	2.3
TDS	1,100

MW-3	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	250
TPH-DRO	12,000/2,200 *
COND	2,056
METH	2,900
NAP	1.3
TDS	870

MW-4	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	310
TPH-DRO	9,500/1,300 *
COND	1,979
METH	4,900
NAP	0.28
TDS	1,300

OW-1 **	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

IW-4 ***	
DATE	2/26/2016
B	NS
T	NS
E	NS
X	NS
M	NS
TPH-GRO	NS
TPH-DRO	NS
COND	NM
METH	NS
NAP	NS
TDS	NS

MW-15	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	430/<50 *
COND	3,911
METH	3,700
NAP	<0.10
TDS	1,200

MW-11	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	1,300/430 *
COND	2,839
METH	5,600
NAP	<0.10
TDS	1,900

MW-2	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	120
TPH-DRO	8,100/6,500 *
COND	6,130
METH	1,800
NAP	0.43
TDS	3,600

MW-16	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	1,500/200 *
COND	3,069
METH	4,600
NAP	0.30
TDS	2,100

MW-10	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	390/<50 *
COND	9,426
METH	5,000
NAP	<0.10
TDS	5,400

MW-17	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	70/<51 *
COND	1,207
METH	4,300
NAP	<0.10
TDS	6,800

MW-18	
DATE	2/26/2016
B	<0.50
T	<0.50
E	<0.50
X	<1.0
M	<0.50
TPH-GRO	<50
TPH-DRO	2,100/980 *
COND	703
METH	2,700
NAP	<0.10
TDS	1,300

LEGEND

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

SAMPLE LOCATION	
DATE	SAMPLE DATE
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERT-BUTYL ETHER
TPH-GRO	TOTAL PETROLEUM HYDROCARBON GASOLINE
TPH-DRO	TOTAL PETROLEUM HYDROCARBON DIESEL
COND	CONDUCTIVITY
METH	METHANE
NAP	NAPHTHALENE
TDS	TOTAL DISSOLVED SOLIDS

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

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

BOLD VALUES INDICATE THE CONCENTRATION EXCEEDS THE SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) ENVIRONMENTAL SCREENING LEVEL (ESL) FOR RESIDENTIAL PROPERTIES WHERE GROUNDWATER IS NOT A CURRENT OR POTENTIAL SOURCE OF DRINKING WATER.

NS = NOT SAMPLED

NM = NOT MEASURED

MONITORING WELL MW-12, OBSERVATION WELL OW-1, AND INJECTION WELLS IW-1 AND IW-2 NOT SAMPLED DUE TO MEASURABLE FREE PRODUCT.

3,700/1,100 * = TPHD ANALYSIS PERFORMED WITHOUT AND WITH SILICA GEL CLEANUP

** = NOT SAMPLED/MONITORED DUE TO THE PRESENCE OF FREE PRODUCT

*** = WELL INACCESSIBLE

0 50' 100'

GRAPHIC SCALE

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

GROUNDWATER QUALITY MAP
FEBRUARY 26, 2016

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5

CITY:TAMPA DIV/GROUP:85 DB:JAR LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=* OFF=*REF* G:\ENVCAD\TAMPA\ACT\B0038398 UPS Oakland\00026 400\GMR Feb 2016\B0038398_26_400-B01.dwg LAYOUT: 5 SAVED: 3/21/2016 1:35 PM ACADVER: 19.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/21/2016 1:36 PM BY: RICHARDS, JIM

APPENDIX A

Groundwater Gauging and Sampling Logs

WELL GAUGING DATA

Project # 160226-NDI Date 2/26/16 Client Arcadis

Site UPS Oakland - 8400 Pardee Dr., Oakland

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		4	Sheen		< 0.01		4.21	—		
MW-3	0800	4	odor	3.95	0.01		3.96	—		
MW-4		2					3.79	16.05		
MW-8		2					2.95	12.24		
MW-9	0835	2					5.72	13.25		
MW-10	0855	2					7.52	12.38		
MW-11	0830	2	odor	5.03	0.01		5.04	—		
MW-12	0848	2	odor	3.83	0.70		4.53	—		
MW-13	0900	2					3.61	9.15		
MW-14		2					1.82	9.20		
MW-15	0830	2					3.81	10.32		
MW-16	0822	2					2.71	10.34		
MW-17	0824	2					7.38	12.66		
MW-18	0833	2					3.60	10.63		
MW-19	0840	2					2.54	10.00		
MW-20		2					3.84	11.57		
MW-21	0855	2					3.54	11.79		

WELL GAUGING DATA

Project # 160226-N01 Date 2/26/16 Client Arcadis

Site UPS Oakland - 8400 Pardee Dr., Oakland

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-22		2					3.83	11.75		
MW-23	0815	2					5.69	11.51		
MW-24	0820	2		3.50	0.50		4.00	—		
MW-25	0840	2		~~3.50~~	~~0.50~~		5.42	11.62		
MW-26	0805	2					3.54	12.79		
MW-27	0810	2					3.30	12.24		
MW-28		2					7.34	11.51		
MW-29	0825	2					6.16	11.62		
OW-1	0820	6	odor	7.04	0.09		7.13	—		
IW-1	0810	2	odor	4.21	0.70		4.91	—		
IW-2	0850	2	odor	3.80	0.72		4.52	—		
IW-3	0850	2					3.78	9.15		
IW-4	0845	2					3.98	9.05		
IW-5	0805	2	odor				4.07	9.32		
IW-6		2	Sheen/ odor		<0.01		3.29	—	TOC	

WELL MONITORING DATA SHEET

Project #: 160226-ND1	Client: ARCADIS
Sampler: AC	Date: 2/26/16
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.30	Depth to Water (DTW): 4.21
Depth to Free Product:	Thickness of Free Product (feet): >0.01 HEAVY SHEEN
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column (10.09) x 0.20) + DTW]: 6.23	

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: _____

6.6 (Gals.)	X 3	= 19.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1000	66.3	6.89	5859	13	6.6	ODOR/SHEEN
1001	DEWATERED @				8.0	
1230	71.5	7.27	6130	261	GRAB	ODOR/HEAVY SHEEN

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

Sampling Date: 2/26/16 Sampling Time: 1230 Depth to Water: 5.70

Sample I.D.: MW-2 Laboratory: Kiff CalScience Other_____

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 #: 160226 NDI	Client: Arcadis
Sampler: BS	Date: 2/2/16
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.57	Depth to Water (DTW): 3.99
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]: 6.11	

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

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

6.9 (Gals.) X	3 =	20.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1118	67.9	7.31	2023	>1000	7	gray
1121	68.2	7.25	2075	>1000	14	+
1124			Dewatered at	15 gallons	21	sheen
1140	69.5	7.33	2057	>1000	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 15

Sampling Date: 2/2 Sampling Time: 1145 Depth to Water: 6.75

Sample I.D.: MW-3 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 #: 160226-ND1	Client:
Sampler: AC	Date: 2/26/16
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 16.05	Depth to Water (DTW): 3.79
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 12.26 x 0.20) + DTW]: 6.24	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1018	66.0	7.08	2922	240	2.0	LIGHT SHEEN
1022	65.6	7.14	1846	222	4.0	"
1024	65.5	7.09	1979	166	6.0	"

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

Sampling Date: 2/26/16 Sampling Time: 1030 Depth to Water: 3.78

Sample I.D.: MW-4 Laboratory: Kiff CalScience Other_____

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 #: 160226-ND1	Client: ARCADIS
Sampler: AC	Date: 2/26/16
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.24	Depth to Water (DTW): 2.95
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 (9.29) 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: _____

1.5 (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
1057	68.0	6.69	3311	46	1.5	YELLOW TINT
1100	68.3	6.75	3283	16	3.0	"
1103	69.5	6.85	10.26 mS	22	4.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 2/26/16 Sampling Time: 1320 Depth to Water: 7.51 (>24HR)

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other_____

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 #: 160226-ND1	Client: Arcadis
Sampler: LSK	Date: 2-26-16
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 13.25	Depth to Water (DTW): 5.72
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]: 7.22	

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

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

1.25 (Gals.) X 3 = 3.75 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
1122	68.7	6.44	8025	221	1.25	clear
1127	68.8	6.04	121 (13mS)	121	2.50	↓
1132	69.8	6.22	22mS	82	3.75	
	*waited for 80% recharge					
	unable to collect full sample due to limited recharge					

Did well dewater? Yes (No) Gallons actually evacuated: 3.75

Sampling Date: 2-26-16 Sampling Time: 1345 Depth to Water: 6.98

Sample I.D.: MW-9 Laboratory: Kiff CalScience Other_____

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.38	Depth to Water (DTW): 7.52
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]: 8.49	

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

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

0.8 (Gals.) X 3 = 2.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1130	18.6	6.92	9403	127	0.8	Yellow tint
1133	18.7	6.94	9420	28	1.6	
1136	18.7	6.94	9426	25	2.4	

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

Sampling Date: 2/26/16 Sampling Time: 1140 Depth to Water: 8.31

Sample I.D.: MW-10 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 #: 160226-NDI	Client:
Sampler: IS IC	Date: 2-26-16
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.52	Depth to Water (DTW): 5.04
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]: 6.53	

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
0955	64.1	7.37	2856	>1000	1	brown, odor, sheen
1000	65.1	6.87	2744	424	2	↓
1005	65.0	6.64	2839	232	3	↓
	* waited for 80% recharge					

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 2-26-16 Sampling Time: (1010) 1225 Depth to Water: 6.48

Sample I.D.: MW-11 Laboratory: Kiff CalScience Other_____

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 #: 160226 - ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.53
Depth to Free Product: 3.83	Thickness of Free Product (feet): 0.70
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
	SPH	detected in	well			
	No	sample	taken			

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 #: 160226-N01	Client: Arcadis
Sampler: ET	Date: 2/26/16
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.15	Depth to Water (DTW): 3.61
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]: 4.72	

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: _____

1.38 (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
1257	67.9	7.51	1587	71000	1	Turbid
1254	67.1	7.43	1693	71000	2	1
1257	67.3	7.39	1690	71000	3	1
			* Waited for 80% Recharge			
			To Sample			

Did well dewater? (Yes) No Gallons actually evacuated: 3

Sampling Date: 2/26/16 Sampling Time: 1320 Depth to Water: 4.55

Sample I.D.: MW-13 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 #: 160226 - ND1	Client: ARCADIS
Sampler: AC	Date: 2/26
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.20	Depth to Water (DTW): 1.82
Depth to Free Product:	Thickness of Free Product (feet): ~~1.82~~ AC
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 2.38 x 0.20) + DTW]: 3.30	

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: _____

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1123	69.6	6.95	3077	57	1.2	VERY LIGHT SHEEN
1125	DEWATERED @				2.0	
1345	67.8	7.10	3257	119	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 2.0

Sampling Date: 2/26/16 Sampling Time: 1345 Depth to Water: 4.41 (>24HR)

Sample I.D.: MW-14 Laboratory: Kiff CalScience Other_____

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 10.32	Depth to Water (DTW): 3.81
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]: 5.11	

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

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

1.1 (Gals.) X	3	=	3.3 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1330	20.1	6.92	3729	50	1.1	
1335	21.2	7.01	3842	59	2.2	
1336	well	dewatered		@	2.5	
1500	22.9	7.05	3911	66	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 2.5

Sampling Date: 2/26/16 Sampling Time: 1505 Depth to Water:

Sample I.D.: MW-15 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): -	Depth to Water (DTW): 3.81
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: -	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1048	One	C.V. =	2307 mL			
1050	One C.V. purged w/ GilAir5 @ 2000 ml/min					
1051	Switch to Geo2000					
1055	Readings Stabalize @			0.0%		

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-16	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 10.34	Depth to Water (DTW): 2.71
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]: 4.24	

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: _____

1.3 (Gals.) X	3	=	3.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1400	22.0	7.02	2931	170	1.3	
1402	21.8	7.09	3071	288	2.6	
1403	Well	dewatered	@		3.0	
1505	23.1	7.03	3069	143	GRAB	

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

Sampling Date: 2/26/16 Sampling Time: 1510 Depth to Water: 3.17

Sample I.D.: MW-16 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.66	Depth to Water (DTW): 7.38
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.44	

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
1155	19.1	6.79	1197	75	0.9	yellow tint
1158	19.0	6.83	1209	83	1.8	↓
1202	19.0	6.83	1207	80	2.7	↓

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Date: 2/26/16 Sampling Time: 1205 Depth to Water: 8.21

Sample I.D.: MW-17 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 #: 16026-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-17	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): -	Depth to Water (DTW): 7.38
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: -	

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
1102	One	C.V =	4469 mL			
1105	Purge	one	C.V w/ Gilair5 @ 2000 ml/min			
1106	Switch	to	Gem2000			
1110	Readings	Stabalize	@	0.0		

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 #: 160226-N01	Client: Arcadis
Sampler: ET	Date: 2/26/16
Well I.D.: MW-18	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 10.63	Depth to Water (DTW): 3.85
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]: 5.21	

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
1352	64.7	8.22	458	71000	1	Turbid/dark
1355	63.6	7.90	610	71000	2	" "
1358	62.5	7.85	703	71000	3	" "
			Waited for 80% recharge to sample			

Did well dewater? (Yes) No Gallons actually evacuated: 3

Sampling Date: 2/26/16 Sampling Time: 1415 Depth to Water: 5.18

Sample I.D.: MW-18 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-18	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): -	Depth to Water (DTW): 3.60
Depth to Free Product: -	Thickness of Free Product (feet): -
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1039	One	C.V =	2180 mL			
	Purged	one C.V	w/ Gil Air 5 @ 2000 mL/min			
1041	Switch	to	Gem2000			
1045	Readings	Stabalize	@	0.0%		

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 #: 160226-N01	Client: Arcadis
Sampler: KK	Date: 2-26-16
Well I.D.: MW-19	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 10.00	Depth to Water (DTW): 2.54
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]: 4.03	

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: _____

1.25 (Gals.) X 3 = 3.75 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
1418	62.9	7.12	2098	312	1.25	cloudy
1421	62.5	6.90	2077	116	2.50	↓
1424	62.6	6.63	2291	192	3.75	↓

Did well dewater? Yes (No) Gallons actually evacuated: 3.75

Sampling Date: 2-26-16 Sampling Time: 1427 Depth to Water: 3.84

Sample I.D.: MW-19 Laboratory: Kiff CalScience Other_____

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 #: 160226-N01	Client: ARCADIS
Sampler: AC	Date: 2/26/16
Well I.D.: MW-20	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 11.57	Depth to Water (DTW): 3.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column (7.73) x 0.20) + DTW]: 5.39	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1135	68.0	7.08	1594	122	1.2	BROWN
1137	66.8	7.04	3847	320	2.4	LIGHT SHEEN
1138	DEWATERED @				2.6	
1415	64.7	7.21	2617	314	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 2.6

Sampling Date: 2/26/16 Sampling Time: 1415 Depth to Water: 4.95

Sample I.D.: MW-20 Laboratory: Kiff CalScience Other_____

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 #: 160216-N01	Client: Arcadis
Sampler: EJ	Date: 2/2016
Well I.D.: MW-21	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 11.79	Depth to Water (DTW): 3.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer 8.14 Waterra
(Disposable Bailer) Peristaltic
Positive Air Displacement Extraction Pump
Electric Submersible Other_____

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

1.3 (Gals.) X 3 = 3.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1038	63.2	7.31	2153	577	1.3	
1044	63.1	7.20	2211	792	2.6	
1049	63.2	7.23	2250	817	3.9	

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Date: 2/24/16 Sampling Time: 1150 Depth to Water: 4.26

Sample I.D.: MW-21 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 #: 160226-NDI	Client: Arcadis
Sampler: FT	Date: 2/26/16
Well I.D.: MW-22	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 11.75	Depth to Water (DTW): 3.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer 7.12 Waterra
(Disposable Bailer) Peristaltic
Positive Air Displacement Extraction Pump
Electric Submersible Other_____

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

1.27 (Gals.) X	3	=	3.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0957	65.8	7.11	2507	710.0	1.5	ndr
1000	66.4	7.07	2656	710.0	3.0	1
1003	66.7	7.15	2621	710.0	4.5	1

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 2/26/16 Sampling Time: 1015 Depth to Water: 5.35

Sample I.D.: MW-22 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-23	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 11.51	Depth to Water (DTW): 5.69
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.85	

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
1310	19.9	6.76	3123	168	1.0	light sheen
1313	19.9	6.82	3194	79	2.0	
1315	20.0	6.85	3521	102	3.0	
1316	well	dewatered		@	3.0	
					GRAB	

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

Sampling Date: 2/26/16 Sampling Time: 1516 Depth to Water: 5.78

Sample I.D.: MW-23 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-23	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): –	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]: –	

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
1025	One	C.V =	3445 mL			
1027	Purged	one	C.V w/	GilAir5 @	2000 ml/min	
1028	Switch to	Gem 2000				
1033	Readings	Stabalize	@	20.0%		
1033	Depart					

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-24	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): -	Depth to Water (DTW): 4.00
Depth to Free Product: 3.80	Thickness of Free Product (feet): 0.50
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	No sample taken					
	SPH present					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 2/26/16 Sampling Time: Depth to Water:

Sample I.D.: MW-24 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-24	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.00
Depth to Free Product: 3.50	Thickness of Free Product (feet): 0.5
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
1012	One	C.V = 2120 mL				
1014	Purged	one C.V @ 2000	ml/min			
1014	Switch to	Sem2000				
1018	Readings	stabalize @	24.8 %			

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 #: 160226-N01	Client: Arcadis
Sampler: FS	Date: 2/26/16
Well I.D.: MW-25	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 11.62	Depth to Water (DTW): 5.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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
1210	67.3	7.22	2799	>1000	1	odor/sheen
1213	66.5	7.19	3479	>1000	2	"
1216	66.8	7.10	3495	>1000	3	"

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 2/26/16 Sampling Time: 1230 Depth to Water: 6.76

Sample I.D.: MW-25 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-26	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.79	Depth to Water (DTW): 3.54
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]: 5.39	

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
1242	20.0	7.11	2662	87	1.5	
1248	20.3	7.12	2680	90	3.0	
1250	well	dewatered @			4.0	
1430	22.5	7.12	2675	55	GRAB	

Did well dewater? (Yes) No Gallons actually evacuated: 4.0

Sampling Date: 2/26/16 Sampling Time: 1435 Depth to Water: 4.02

Sample I.D.: MW-26 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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-27	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 12.24	Depth to Water (DTW): 3.30
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.08	

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
1230	19.6	7.02	4163	6H	1.5	
1235	19.5	7.03	4175	70	3.0	
1237	well	dewatered @			3.5	
1415	22.3	7.05	4200	39	GRAB	

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

Sampling Date: 2/26/16 Sampling Time: 1420 Depth to Water: 4.72

Sample I.D.: MW-27 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 #: 160226-ND1	Client: ARCADIS
Sampler: AC	Date: 2/26/16
Well I.D.: MW-28	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 11.51	Depth to Water (DTW): 7.34
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]: 8.17 (4.17)	

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: _____

0.7 (Gals.) X	3	=	2.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1150	67.1	6.76	4512	>1000	0.7	BLACK/SILTY
1151	DEWATERED @				1.0	
1440	67.1	6.74	4453	189	GRAB	

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

Sampling Date: 2/26/16 Sampling Time: 1440 Depth to Water: 7.34

Sample I.D.: MW-28 Laboratory: Kiff CalScience Other_____

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 #: 160226-101	Client: Arcadis
Sampler: LK	Date: 2-26-16
Well I.D.: MW-29	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 11.62	Depth to Water (DTW): 6.16
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]: 7.25	

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
1103	66.4	6.85	2361	661	1	clear
1106	66.1	6.70	2390	530	2	"
1109	64.7	6.62	2461	746	3	"
	* waited for 80% recharge					

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 2-26-16 Sampling Time: 1150 Depth to Water: 6.81

Sample I.D.: MW-29 Laboratory: Kiff CalScience Other_____

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 #: 160226-NP1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: OW-1	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 7.13
Depth to Free Product: 7.04	Thickness of Free Product (feet): 0.09
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
	SPH	detected in well.				
	No	sample taken				

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.91
Depth to Free Product: 4.21	Thickness of Free Product (feet): 0.70
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
	SPH detected in well					
	NO sample taken					

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: IW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.52
Depth to Free Product: 3.80	Thickness of Free Product (feet): 0.72
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
	SPH detected in well					
	No sample taken					

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 #: 160226-ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: IW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): —	Depth to Water (DTW): 4.52
Depth to Free Product: 3.80	Thickness of Free Product (feet): 0.72
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
1000	One	C.V = 2301 mL				
Purged 3000 mL w/ GilAir5 @ 2000 ml/min						
Switched to Gem2000						
1008	Readings	stabalize	@	0.1%	(3 mins)	

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 #: 160226-N01	Client: Arcadis
Sampler: IK	Date: 2-26-16
Well I.D.: IW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.15	Depth to Water (DTW): 3.78
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]: 4.85	

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: _____

0.75 (Gals.) X	3	=	2.25 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
1259	66.2	6.94	3602	333	0.75	brown
1302	66.0	6.67	3283	522	1.50	"
1305	65.8	6.53	3089	653	2.25	"

Did well dewater? Yes (No) Gallons actually evacuated: 2.25

Sampling Date: 2-26-16 Sampling Time: 1308 Depth to Water: 4.51

Sample I.D.: IW-3 Laboratory: Kiff CalScience Other_____

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 #: 160226 - ND1	Client: Arcadis
Sampler: ND	Date: 2/26/16
Well I.D.: IW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.05	Depth to Water (DTW): 4.07
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

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

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

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

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	Unable to access to sample					
	Parked over by UPS tractor trailer					
	Only able to gauge well, no sample taken					

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 #: 160226-(174) NO7	Client: Aradis
Sampler:	Date: 2-26-16
Well I.D.: IW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 9.32	Depth to Water (DTW): 4.07
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: _____

0.75 (Gals.) X	3	=	2.25 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
1023	65.0	6.82	1738	455	0.75	odor, light sheen
1025	65.5	6.48	1805	71000	1.50	↓
1027	65.7	6.50	1813	71000	2.25	↓

Did well dewater? Yes (No) Gallons actually evacuated: 2.25

Sampling Date: 2-26-16 Sampling Time: 1030 Depth to Water: 9.10

Sample I.D.: IW-5 Laboratory: Kiff CalScience Other_____

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 #: 160226-N01	Client: ARCADIS
Sampler: AC	Date: 2/26/16
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 9.33	Depth to Water (DTW): 3.28
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 6.05 x 0.20) + DTW]: 4.49	

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
1205	67.3	6.67	9124	346	1.0	BROWN + LIGHT SHEEN
1207	66.5	6.65	10.21 MS	92	2.0	"
1209	66.1	6.63	11.28 MS	103	3.0	"

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

Sampling Date: 2/26/16 Sampling Time: 1225 Depth to Water: 4.41

Sample I.D.: MW-6 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

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron L Ultrameter	622392	2/26/16 0955	pH 7 10	7.03 10.08	✓	61°F	
			Cond 3900	3908	✓	61°F	
			ORP				
MYRON L ULTRA II	623555HM	2/26/16	pH 7 10 4	7.00 10.00 4.00	✓	21.2°C	AC
			COND 3900	3902	✓	22.1°C	AC
			~~ORP~~				
Myron L Ultra II	621729	2-26-16	pH 4.00 10.00 7.00	4.00 10.00 7.00			
			Cond 3900	3899	✓	21.1°C	IGC
			ORP		✓	21.3°C	IGC
MYRON L	621962	2/26/16	4/7/10 pH 3900 cond	4.0 7.01 10.0 3900	✓	19°.8	ND

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 160226-ND1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

LAB: TA - SF | DHS #

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

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naththalene (8270)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-16	2/26/16	1510	W	12	mixed		X	X	X	X	X							
MW-17		1205	W	12			X	X	X	X	X							
MW-18		1415	W	12			X	X	X	X	X							
MW-19		1427	W	12			X	X	X	X	X							
MW-20		1415	W	12			X	X	X	X	X							
MW-21		1050	W	12			X	X	X	X	X							
MW-22		1015	W	12			X	X	X	X	X							
MW-23		1516	W	12			X	X	X	X	X							
MW-25		1230	W	12			X	X	X	X	X							
MW-26		1435	W	12			X	X	X	X	X							

SAMPLING COMPLETED: DATE 2/26/16 TIME 1510
SAMPLING PERFORMED BY: N. Drachenberg, A. Carlino, K. Kubota, E. Tanner

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE 2/26/16	TIME 1600	RECEIVED BY (sample custodian)	DATE 2/26/16	TIME 1600
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 # 160226-ND1

CLIENT ARCADIS U.S., Inc.

SITE UPS

8400 Pardee Drive

Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB TA - SF DHS #

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

☐ EPA ☐ RWQCB REGION _____
☐ LIA
☐ OTHER

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Invoice and Report to : Arcadis U.S., Inc.

Attn: Hugh Devery hugh.devery@arcadis-us.com

770-428-9009

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naththalene (8270)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-2	2/26/16	1230	W	12	mixed		X	X	X	X	X							
MW-3		1145	W	12			X	X	X	X	X							
MW-4		1030	W	12			X	X	X	X	X							
MW-8		1320	W	12			X	X	X	X	X							
MW-9		1345	W	9			X	X	X	X	X				Limited bottle set filled			
MW-10		1140	W	12			X	X	X	X	X							
MW-11		1225	W	12			X	X	X	X	X							
MW-13		1320	W	12			X	X	X	X	X							
MW-14		1345	W	12			X	X	X	X	X							
MW-15		1505	W	12			X	X	X	X	X							

SAMPLING COMPLETED DATE 2/26/16 TIME 1510

SAMPLING PERFORMED BY N. Drachenberg, A. Carlino, K. Kubota, E. Tanner

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	2/26/16	1600	(sample cooler in)	2/26/16	1600
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 # 160226-ND1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: TA - SF DHS #

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

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naphthalene (8270)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-27	2/26/16	1420	W	12	mixed		X	X	X	X	X							
MW-28		1440	W	12			X	X	X	X	X							
MW-29		1150	W	12			X	X	X	X	X							
IW-3		1308	W	12			X	X	X	X	X							
IW-5		1030	W	12			X	X	X	X	X							
IW-6		1225	W	12			X	X	X	X	X							

SAMPLING COMPLETED: DATE 2/26/16 TIME 1510
SAMPLING PERFORMED BY: N. Drachenberg, A. Carlino, K. Kubota, C. Tanner

RESULTS NEEDED NO LATER THAN: Standard TAT

	DATE	TIME		
RELEASED BY			RECEIVED BY	(sample custody)
RELEASED BY	2/26/16	1600	RECEIVED BY	2/26/16 1606
RELEASED BY			RECEIVED BY	
RELEASED BY			RECEIVED BY	

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

APPENDIX B

Laboratory Analytical Data

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: 720-70520-1
Client Project/Site: UPS-Oakland

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

Attn: Ms. Jennifer LeBeau

Authorized for release by:
3/9/2016 2:58:57 PM
Afsaneh Salimpour, Senior Project Manager
afsaneh.salimpour@testamericainc.com

Designee for

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 VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 720-70520-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-70520-1

Comments
No additional comments.

Receipt
The samples were received on 2/29/2016 11:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 9 coolers at receipt time were 0.8º C, 0.8º C, 1.0º C, 1.1º C, 1.1º C, 1.2º C, 1.4º C, 1.6º C and 2.0º C.

GC/MS VOA
Method(s) 8260B: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-2 (720-70520-1), MW-8 (720-70520-4), MW-9 (720-70520-5), (720-70520-A-1 MS) and (720-70520-A-1 MSD), MW-17 (720-70520-12, MW-28 (720-70520-22) and IW-3 (720-70520-24), MW-25 (720-70520-19), IW-6 (720-70520-26), (720-70520-A-26 MS) and (720-70520-A-26 MSD).

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: IW-6 (720-70520-26). Evidence of matrix interference is present; confirmed by re-analysis.

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

GC/MS Semi VOA
Method(s) 8270C SIM: Surrogate recovery for the following samples was outside control limits: MW-2 (720-70520-1), MW-3 (720-70520-2), MW-4 (720-70520-3), MW-8 (720-70520-4), MW-11 (720-70520-7), MW-13 (720-70520-8), MW-14 (720-70520-9), MW-16 (720-70520-11), MW-17 (720-70520-12), MW-18 (720-70520-13), MW-19 (720-70520-14), MW-20 (720-70520-15), MW-21 (720-70520-16), MW-22 (720-70520-17), MW-23 (720-70520-18) and MW-25 (720-70520-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C SIM: Surrogate recovery for the following samples was outside control limits: MW-25 (720-70520-19), MW-28 (720-70520-22) and IW-6 (720-70520-26). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC VOA
Method(s) RSK-175: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: MW-2 (720-70520-1) and MW-8 (720-70520-4), MW-9 (720-70520-5), MW-10 (720-70520-6), MW-11 (720-70520-7) and MW-17 (720-70520-12), MW-23 (720-70520-18), IW-3 (720-70520-24) and IW-6 (720-70520-26), MW-25 (720-70520-19) and MW-28 (720-70520-22).

Method(s) RSK-175: Methane is over calibration range at a 2x dilution. A further dilution was run at 5x, but the recovery of methane was lower than the expected result due to headspace in the vial. Sample is consumed. Over range data reported as per the Technical Director.MW-25 (720-70520-19)

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

GC Semi VOA
Method(s) 8015B: The following samples required a dilution due to the nature of the sample matrix: MW-2 (720-70520-1) and MW-3 (720-70520-2), MW-22 (720-70520-17, IW-5 (720-70520-25),MW-18 (720-70520-13), MW-22 (720-70520-17) and MW-23 (720-70520-18). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8015B: Capric acid Surrogate recovery for the following sample was outside control limits: MW-23 (720-70520-18), IW-6 (720-70520-26), MW-3 (720-70520-2) . Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not

Job ID: 720-70520-1 (Continued)

Laboratory: TestAmerica Pleasanton (Continued)

performed.

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

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

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

Detection Summary

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-2 — Lab Sample ID: 720-70520-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	120		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.43		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.46		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.15		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.0		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.17		0.10		ug/L	1		8270C SIM	Total/NA
Methane	1800		0.50		ug/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	8100		250		ug/L	5		8015B	Total/NA
Diesel Range Organics [C10-C28]	6500		150		ug/L	3		8015B	Silica Gel Cleanup
Total Dissolved Solids	3600		25		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 720-70520-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.3		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	250		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.77		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.4		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.42		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	3.6		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	2.2		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.16		0.10		ug/L	1		8270C SIM	Total/NA
Methane	2900		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	12000		250		ug/L	5		8015B	Total/NA
Diesel Range Organics [C10-C28]	2200		51		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	870		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 720-70520-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	310		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.28		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.50		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.22		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.19		0.10		ug/L	1		8270C SIM	Total/NA
Methane	4900		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	9500		150		ug/L	3		8015B	Total/NA
Diesel Range Organics [C10-C28]	1300		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 720-70520-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-8 (Continued) — Lab Sample ID: 720-70520-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	41		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	64		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	14		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	1.3		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.56		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.17		0.10		ug/L	1		8270C SIM	Total/NA
Methane	810		0.50		ug/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	300		50		ug/L	1		8015B	Total/NA
Total Dissolved Solids	2800		17		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 720-70520-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	2300		1.0		ug/L	2		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	210		49		ug/L	1		8015B	Total/NA
Total Dissolved Solids	12000		100		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 720-70520-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	5000		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	390		50		ug/L	1		8015B	Total/NA
Total Dissolved Solids	5400		33		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 720-70520-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	5600		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	1300		50		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	430		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1900		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 720-70520-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.20		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.13		0.10		ug/L	1		8270C SIM	Total/NA
Methane	7200		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	750		52		ug/L	1		8015B	Total/NA
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 720-70520-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	480		0.50		ug/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	700		50		ug/L	1		8015B	Total/NA
Total Dissolved Solids	710		10		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-15 — Lab Sample ID: 720-70520-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	3700		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	430		50		ug/L	1		8015B	Total/NA
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16 — Lab Sample ID: 720-70520-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.30		0.11		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.24		0.11		ug/L	1		8270C SIM	Total/NA
Fluorene	0.56		0.11		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.33		0.11		ug/L	1		8270C SIM	Total/NA
Methane	4600		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	1500		54		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	200		54		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	2100		13		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 720-70520-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	4300		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	70		51		ug/L	1		8015B	Total/NA
Total Dissolved Solids	6800		50		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-18 — Lab Sample ID: 720-70520-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.13		0.10		ug/L	1		8270C SIM	Total/NA
Methane	2700		1.0		ug/L	2		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	2100		250		ug/L	5		8015B	Total/NA
Diesel Range Organics [C10-C28]	980		51		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 720-70520-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.36		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.17		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.36		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.22		0.10		ug/L	1		8270C SIM	Total/NA
Methane	4700		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	1300		50		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	110		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	5100		33		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-20 — Lab Sample ID: 720-70520-15

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-20 (Continued) — Lab Sample ID: 720-70520-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	67		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.41		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.52		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.23		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	1.7		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.13		0.10		ug/L	1		8270C SIM	Total/NA
Methane	4600		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	4600		50		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	820		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1600		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-21 — Lab Sample ID: 720-70520-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	94		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.43		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.92		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.41		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	3.2		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.69		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.10		0.10		ug/L	1		8270C SIM	Total/NA
Methane	5600		5.0		ug/L	10		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	8100		160		ug/L	3		8015B	Total/NA
Diesel Range Organics [C10-C28]	1600		52		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1400		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-22 — Lab Sample ID: 720-70520-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	3.6		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	240		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	2.9		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	3.2		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.66		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	7.7		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	8.3		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.64		0.10		ug/L	1		8270C SIM	Total/NA
Chrysene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.71		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.52		0.10		ug/L	1		8270C SIM	Total/NA
Methane	5200		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	68000		1000		ug/L	20		8015B	Total/NA
Diesel Range Organics [C10-C28]	35000		520		ug/L	10		8015B	Silica Gel Cleanup
Total Dissolved Solids	1700		10		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-23 — Lab Sample ID: 720-70520-18

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	100		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.1		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.84		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.23		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	2.0		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	2.1		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.15		0.10		ug/L	1		8270C SIM	Total/NA
Methane	6800		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	11000		250		ug/L	5		8015B	Total/NA
Diesel Range Organics [C10-C28]	5000		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	2200		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-25 — Lab Sample ID: 720-70520-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	270		5.0		ug/L	5		8260B/CA_LUFT MS	Total/NA
Naphthalene	190		1.1		ug/L	10		8270C SIM	Total/NA
Acenaphthene	58		1.1		ug/L	10		8270C SIM	Total/NA
Acenaphthylene	0.37		0.11		ug/L	1		8270C SIM	Total/NA
Fluorene	47		1.1		ug/L	10		8270C SIM	Total/NA
Phenanthrene	88		1.1		ug/L	10		8270C SIM	Total/NA
Anthracene	8.3		0.11		ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	1.6		0.11		ug/L	1		8270C SIM	Total/NA
Chrysene	1.5		0.11		ug/L	1		8270C SIM	Total/NA
Benzo[a]pyrene	0.24		0.11		ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	0.44		0.11		ug/L	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	0.19		0.11		ug/L	1		8270C SIM	Total/NA
Fluoranthene	19		1.1		ug/L	10		8270C SIM	Total/NA
Pyrene	8.0		0.11		ug/L	1		8270C SIM	Total/NA
Methane	4200	E	1.0		ug/L	2		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	3700		51		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	1100		51		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	2500		13		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-26 — Lab Sample ID: 720-70520-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.15		0.11		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.13		0.11		ug/L	1		8270C SIM	Total/NA
Methane	4100		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	250		53		ug/L	1		8015B	Total/NA
Total Dissolved Solids	1500		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-27 — Lab Sample ID: 720-70520-21

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-27 (Continued) — Lab Sample ID: 720-70520-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	1800		0.50		ug/L	1		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	890		51		ug/L	1		8015B	Total/NA
Total Dissolved Solids	1500		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 720-70520-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.41		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	0.20		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.46		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.30		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.19		0.10		ug/L	1		8270C SIM	Total/NA
Methane	6300		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	1400		51		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	160		51		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	2700		13		mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-29 — Lab Sample ID: 720-70520-23

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	0.22		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.19		0.10		ug/L	1		8270C SIM	Total/NA
Methane	5600		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	930		50		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	67		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	1500		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-3 — Lab Sample ID: 720-70520-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.50		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	2.4		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	1.2		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.1		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.11		0.10		ug/L	1		8270C SIM	Total/NA
Fluoranthene	0.19		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.12		0.10		ug/L	1		8270C SIM	Total/NA
Methane	8100		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	670		50		ug/L	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	60		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	2500		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-5 — Lab Sample ID: 720-70520-25

This Detection Summary does not include radiochemical test results.

Client Sample ID: IW-5 (Continued) — Lab Sample ID: 720-70520-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	2.3		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	510		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.75		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	2.2		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.69		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	5.9		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	4.4		0.10		ug/L	1		8270C SIM	Total/NA
Pyrene	0.34		0.10		ug/L	1		8270C SIM	Total/NA
Methane	8900		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	42000		500		ug/L	10		8015B	Total/NA
Diesel Range Organics [C10-C28]	26000		250		ug/L	5		8015B	Silica Gel Cleanup
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Total/NA

Client Sample ID: IW-6 — Lab Sample ID: 720-70520-26

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	160		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	0.70		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthene	0.75		0.10		ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.31		0.10		ug/L	1		8270C SIM	Total/NA
Fluorene	2.3		0.10		ug/L	1		8270C SIM	Total/NA
Phenanthrene	1.6		0.10		ug/L	1		8270C SIM	Total/NA
Anthracene	0.10		0.10		ug/L	1		8270C SIM	Total/NA
Methane	6600		2.5		ug/L	5		RSK-175	Total/NA
Diesel Range Organics [C10-C28]	6000		150		ug/L	3		8015B	Total/NA
Diesel Range Organics [C10-C28]	1800		50		ug/L	1		8015B	Silica Gel Cleanup
Total Dissolved Solids	9000		50		mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-2

Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 12:54	1
Benzene	ND		0.50		ug/L			03/01/16 12:54	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 12:54	1
Naphthalene	ND		1.0		ug/L			03/01/16 12:54	1
Toluene	ND		0.50		ug/L			03/01/16 12:54	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 12:54	1
Gasoline Range Organics (GRO) -C5-C12	**120**		50		ug/L			03/01/16 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*67 - 130*		*03/01/16 12:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*72 - 130*		*03/01/16 12:54*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/01/16 12:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.43**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Acenaphthene	**0.46**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Acenaphthylene	**0.15**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Fluorene	**1.7**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Phenanthrene	**1.0**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Pyrene	**0.17**		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*29 - 120*	*03/02/16 11:01*	*03/02/16 20:50*	*1*
Terphenyl-d14	*39*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 20:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1800**		0.50		ug/L			03/04/16 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*76*		*66 - 132*		*03/04/16 17:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8100**		250		ug/L		03/01/16 11:57	03/02/16 16:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/01/16 11:57*	*03/02/16 16:07*	*5*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-2
Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-1
Matrix: Water

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]	6500		150		ug/L		03/01/16 21:09	03/04/16 03:13	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/01/16 21:09*	*03/04/16 03:13*	*3*
p-Terphenyl	*84*		*31 - 150*	*03/01/16 21:09*	*03/04/16 03:13*	*3*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	3600		25		mg/L			03/01/16 23:28	1

Client Sample ID: MW-3

Date Collected: 02/26/16 11:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 14:18	1
Benzene	ND		0.50		ug/L			03/01/16 14:18	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 14:18	1
Naphthalene	**1.3**		1.0		ug/L			03/01/16 14:18	1
Toluene	ND		0.50		ug/L			03/01/16 14:18	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 14:18	1
Gasoline Range Organics (GRO) -C5-C12	**250**		50		ug/L			03/01/16 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*67 - 130*		*03/01/16 14:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*72 - 130*		*03/01/16 14:18*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/01/16 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.77**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Acenaphthene	**1.4**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Acenaphthylene	**0.42**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Fluorene	**3.6**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Phenanthrene	**2.2**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Anthracene	**0.16**		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*29 - 120*	*03/02/16 11:01*	*03/02/16 21:14*	*1*
Terphenyl-d14	*28*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 21:14*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2900**		2.5		ug/L			03/06/16 17:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*110*		*66 - 132*		*03/06/16 17:02*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**12000**		250		ug/L		03/01/16 11:57	03/02/16 15:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/01/16 11:57*	*03/02/16 15:09*	*5*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-3
Date Collected: 02/26/16 11:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-2
Matrix: Water

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]	2200		51		ug/L		03/01/16 21:09	03/04/16 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*6*	*X*	*0 - 5*	*03/01/16 21:09*	*03/04/16 10:20*	*1*
p-Terphenyl	*67*		*31 - 150*	*03/01/16 21:09*	*03/04/16 10:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	870		10		mg/L			03/01/16 23:31	1

Client Sample ID: MW-4

Date Collected: 02/26/16 10:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 14:47	1
Benzene	ND		0.50		ug/L			03/01/16 14:47	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 14:47	1
Naphthalene	ND		1.0		ug/L			03/01/16 14:47	1
Toluene	ND		0.50		ug/L			03/01/16 14:47	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 14:47	1
Gasoline Range Organics (GRO) -C5-C12	**310**		50		ug/L			03/01/16 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*03/01/16 14:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*72 - 130*		*03/01/16 14:47*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/01/16 14:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.28**		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Acenaphthene	**0.50**		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Acenaphthylene	**0.22**		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Fluorene	**1.7**		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Phenanthrene	**0.19**		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*29 - 120*	*03/02/16 11:01*	*03/02/16 21:37*	*1*
Terphenyl-d14	*42*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 21:37*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4900**		2.5		ug/L			03/06/16 17:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*107*		*66 - 132*		*03/06/16 17:54*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**9500**		150		ug/L		03/01/16 11:57	03/02/16 15:38	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*53*		*23 - 156*	*03/01/16 11:57*	*03/02/16 15:38*	*3*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-4
Date Collected: 02/26/16 10:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-3
Matrix: Water

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]	1300		50		ug/L		03/01/16 21:09	03/04/16 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*2*		*0 - 5*	*03/01/16 21:09*	*03/04/16 10:50*	*1*
p-Terphenyl	*77*		*31 - 150*	*03/01/16 21:09*	*03/04/16 10:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			03/01/16 23:35	1

Client Sample ID: MW-8

Date Collected: 02/26/16 13:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 15:15	1
Benzene	ND		0.50		ug/L			03/01/16 15:15	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 15:15	1
Naphthalene	**41**		1.0		ug/L			03/01/16 15:15	1
Toluene	ND		0.50		ug/L			03/01/16 15:15	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 15:15	1
Gasoline Range Organics (GRO) -C5-C12	**64**		50		ug/L			03/01/16 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*03/01/16 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*72 - 130*		*03/01/16 15:15*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/01/16 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**14**		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Acenaphthene	**1.3**		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Fluorene	**0.56**		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Phenanthrene	**0.17**		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*29 - 120*	*03/02/16 11:01*	*03/02/16 22:01*	*1*
Terphenyl-d14	*44*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 22:01*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**810**		0.50		ug/L			03/04/16 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*81*		*66 - 132*		*03/04/16 18:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**300**		50		ug/L		03/01/16 11:57	03/02/16 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*79*		*23 - 156*	*03/01/16 11:57*	*03/02/16 13:04*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-8
Date Collected: 02/26/16 13:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-4
Matrix: Water

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		03/01/16 21:09	03/03/16 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 5*	*03/01/16 21:09*	*03/03/16 23:56*	*1*
p-Terphenyl	*69*		*31 - 150*	*03/01/16 21:09*	*03/03/16 23:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2800**		17		mg/L			03/01/16 23:39	1

Client Sample ID: MW-9

Date Collected: 02/26/16 13:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 15:43	1
Benzene	ND		0.50		ug/L			03/01/16 15:43	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 15:43	1
Naphthalene	ND		1.0		ug/L			03/01/16 15:43	1
Toluene	ND		0.50		ug/L			03/01/16 15:43	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 15:43	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*03/01/16 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*72 - 130*		*03/01/16 15:43*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/01/16 15:43*	*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		03/02/16 11:01	03/02/16 22:24	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*29 - 120*	*03/02/16 11:01*	*03/02/16 22:24*	*1*
Terphenyl-d14	*54*		*45 - 120*	*03/02/16 11:01*	*03/02/16 22:24*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2300**		1.0		ug/L			03/06/16 18:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*107*		*66 - 132*		*03/06/16 18:11*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**210**		49		ug/L		03/01/16 11:57	03/02/16 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*91*		*23 - 156*	*03/01/16 11:57*	*03/02/16 12:06*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-9
Date Collected: 02/26/16 13:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		49		ug/L		03/01/16 21:09	03/04/16 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 5*	*03/01/16 21:09*	*03/04/16 00:21*	*1*
p-Terphenyl	*81*		*31 - 150*	*03/01/16 21:09*	*03/04/16 00:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**12000**		100		mg/L			03/01/16 23:42	1

Client Sample ID: MW-10

Date Collected: 02/26/16 11:40
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-6

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			03/01/16 16:11	1
Benzene	ND		0.50		ug/L			03/01/16 16:11	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 16:11	1
Naphthalene	ND		1.0		ug/L			03/01/16 16:11	1
Toluene	ND		0.50		ug/L			03/01/16 16:11	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 16:11	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*03/01/16 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*72 - 130*		*03/01/16 16:11*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/01/16 16:11*	*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		03/02/16 11:01	03/02/16 22:48	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*29 - 120*	*03/02/16 11:01*	*03/02/16 22:48*	*1*
Terphenyl-d14	*63*		*45 - 120*	*03/02/16 11:01*	*03/02/16 22:48*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5000**		2.5		ug/L			03/06/16 18:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*105*		*66 - 132*		*03/06/16 18:28*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**390**		50		ug/L		03/01/16 11:57	03/02/16 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*87*		*23 - 156*	*03/01/16 11:57*	*03/02/16 12:35*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-10
Date Collected: 02/26/16 11:40
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-6
Matrix: Water

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		03/01/16 21:09	03/04/16 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.07*		*0 - 5*	*03/01/16 21:09*	*03/04/16 00:45*	*1*
p-Terphenyl	*90*		*31 - 150*	*03/01/16 21:09*	*03/04/16 00:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**5400**		33		mg/L			03/01/16 23:46	1

Client Sample ID: MW-11

Date Collected: 02/26/16 12:25
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 16:39	1
Benzene	ND		0.50		ug/L			03/01/16 16:39	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 16:39	1
Naphthalene	ND		1.0		ug/L			03/01/16 16:39	1
Toluene	ND		0.50		ug/L			03/01/16 16:39	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 16:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*03/01/16 16:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*72 - 130*		*03/01/16 16:39*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*03/01/16 16:39*	*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		03/02/16 11:01	03/02/16 23:12	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*29 - 120*	*03/02/16 11:01*	*03/02/16 23:12*	*1*
Terphenyl-d14	*30*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 23:12*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5600**		2.5		ug/L			03/06/16 18:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*102*		*66 - 132*		*03/06/16 18:45*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1300**		50		ug/L		03/01/16 11:57	03/02/16 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*65*		*23 - 156*	*03/01/16 11:57*	*03/02/16 15:38*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-11
Date Collected: 02/26/16 12:25
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-7
Matrix: Water

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]	430		50		ug/L		03/01/16 21:09	03/04/16 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 5*	*03/01/16 21:09*	*03/04/16 01:10*	*1*
p-Terphenyl	*82*		*31 - 150*	*03/01/16 21:09*	*03/04/16 01:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			03/01/16 23:49	1

Client Sample ID: MW-13

Date Collected: 02/26/16 13:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 17:07	1
Benzene	ND		0.50		ug/L			03/01/16 17:07	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 17:07	1
Naphthalene	ND		1.0		ug/L			03/01/16 17:07	1
Toluene	ND		0.50		ug/L			03/01/16 17:07	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 17:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*03/01/16 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*72 - 130*		*03/01/16 17:07*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/01/16 17:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.20**		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Fluorene	**0.13**		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*29 - 120*	*03/02/16 11:01*	*03/02/16 23:35*	*1*
Terphenyl-d14	*35*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 23:35*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**7200**		2.5		ug/L			03/06/16 19:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*104*		*66 - 132*		*03/06/16 19:02*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**750**		52		ug/L		03/01/16 11:57	03/02/16 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*75*		*23 - 156*	*03/01/16 11:57*	*03/02/16 13:33*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-13
Date Collected: 02/26/16 13:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		52		ug/L		03/01/16 21:09	03/04/16 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 5*	*03/01/16 21:09*	*03/04/16 01:34*	*1*
p-Terphenyl	*74*		*31 - 150*	*03/01/16 21:09*	*03/04/16 01:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1100**		10		mg/L			03/01/16 23:53	1

Client Sample ID: MW-14

Date Collected: 02/26/16 13:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-9

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			03/01/16 17:35	1
Benzene	ND		0.50		ug/L			03/01/16 17:35	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 17:35	1
Naphthalene	ND		1.0		ug/L			03/01/16 17:35	1
Toluene	ND		0.50		ug/L			03/01/16 17:35	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 17:35	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*03/01/16 17:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*72 - 130*		*03/01/16 17:35*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/01/16 17:35*	*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		03/02/16 11:01	03/02/16 23:59	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*29 - 120*	*03/02/16 11:01*	*03/02/16 23:59*	*1*
Terphenyl-d14	*35*	*X*	*45 - 120*	*03/02/16 11:01*	*03/02/16 23:59*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**480**		0.50		ug/L			03/04/16 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*79*		*66 - 132*		*03/04/16 20:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**700**		50		ug/L		03/01/16 11:57	03/02/16 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*73*		*23 - 156*	*03/01/16 11:57*	*03/02/16 14:03*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-14
Date Collected: 02/26/16 13:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-9
Matrix: Water

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		03/01/16 21:09	03/04/16 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.07*		*0 - 5*	*03/01/16 21:09*	*03/04/16 01:59*	*1*
p-Terphenyl	*76*		*31 - 150*	*03/01/16 21:09*	*03/04/16 01:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**710**		10		mg/L			03/02/16 00:49	1

Client Sample ID: MW-15

Date Collected: 02/26/16 15:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-10

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			03/02/16 00:31	1
Benzene	ND		0.50		ug/L			03/02/16 00:31	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 00:31	1
Naphthalene	ND		1.0		ug/L			03/02/16 00:31	1
Toluene	ND		0.50		ug/L			03/02/16 00:31	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 00:31	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*03/02/16 00:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*72 - 130*		*03/02/16 00:31*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/02/16 00:31*	*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		03/02/16 11:01	03/03/16 00:22	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*29 - 120*	*03/02/16 11:01*	*03/03/16 00:22*	*1*
Terphenyl-d14	*45*		*45 - 120*	*03/02/16 11:01*	*03/03/16 00:22*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3700**		2.5		ug/L			03/06/16 19:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*101*		*66 - 132*		*03/06/16 19:37*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**430**		50		ug/L		03/01/16 11:57	03/02/16 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*77*		*23 - 156*	*03/01/16 11:57*	*03/02/16 15:09*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-15
Date Collected: 02/26/16 15:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-10
Matrix: Water

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		03/01/16 21:09	03/04/16 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 5*	*03/01/16 21:09*	*03/04/16 02:23*	*1*
p-Terphenyl	*84*		*31 - 150*	*03/01/16 21:09*	*03/04/16 02:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1200**		10		mg/L			03/02/16 00:58	1

Client Sample ID: MW-16

Date Collected: 02/26/16 15:10
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-11

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		0.50		ug/L			03/02/16 00:59	1
Benzene	ND		0.50		ug/L			03/02/16 00:59	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 00:59	1
Naphthalene	ND		1.0		ug/L			03/02/16 00:59	1
Toluene	ND		0.50		ug/L			03/02/16 00:59	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 00:59	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*03/02/16 00:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*72 - 130*		*03/02/16 00:59*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/02/16 00:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.30**		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Acenaphthene	**0.24**		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Acenaphthylene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Fluorene	**0.56**		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Phenanthrene	**0.33**		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Benzo[a]anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Chrysene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Benzo[a]pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Benzo[b]fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Benzo[k]fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*29 - 120*	*03/02/16 11:01*	*03/03/16 00:46*	*1*
Terphenyl-d14	*36*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 00:46*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4600**		2.5		ug/L			03/06/16 19:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*102*		*66 - 132*		*03/06/16 19:54*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1500**		54		ug/L		03/04/16 11:31	03/07/16 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*90*		*23 - 156*	*03/04/16 11:31*	*03/07/16 17:27*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-16
Date Collected: 02/26/16 15:10
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-11
Matrix: Water

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]	200		54		ug/L		03/04/16 11:39	03/07/16 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.2*		*0 - 5*	*03/04/16 11:39*	*03/07/16 15:27*	*1*
p-Terphenyl	*97*		*31 - 150*	*03/04/16 11:39*	*03/07/16 15:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2100		13		mg/L			03/02/16 01:05	1

Client Sample ID: MW-17

Date Collected: 02/26/16 12:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-12

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			03/01/16 11:15	1
Benzene	ND		0.50		ug/L			03/01/16 11:15	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 11:15	1
Naphthalene	ND		1.0		ug/L			03/01/16 11:15	1
Toluene	ND		0.50		ug/L			03/01/16 11:15	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 11:15	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*03/01/16 11:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*72 - 130*		*03/01/16 11:15*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*		*03/01/16 11:15*	*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		03/02/16 11:01	03/03/16 01:10	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*29 - 120*	*03/02/16 11:01*	*03/03/16 01:10*	*1*
Terphenyl-d14	*43*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 01:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4300**		2.5		ug/L			03/06/16 20:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*101*		*66 - 132*		*03/06/16 20:11*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**70**		51		ug/L		03/04/16 11:31	03/07/16 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*102*		*23 - 156*	*03/04/16 11:31*	*03/07/16 17:52*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-17
Date Collected: 02/26/16 12:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		03/04/16 11:39	03/07/16 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 5*	*03/04/16 11:39*	*03/07/16 15:56*	*1*
p-Terphenyl	*90*		*31 - 150*	*03/04/16 11:39*	*03/07/16 15:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**6800**		50		mg/L			03/02/16 01:08	1

Client Sample ID: MW-18

Date Collected: 02/26/16 14:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-13

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			03/01/16 12:38	1
Benzene	ND		0.50		ug/L			03/01/16 12:38	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 12:38	1
Naphthalene	ND		1.0		ug/L			03/01/16 12:38	1
Toluene	ND		0.50		ug/L			03/01/16 12:38	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 12:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*03/01/16 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*72 - 130*		*03/01/16 12:38*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/01/16 12:38*	*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		03/02/16 11:01	03/03/16 04:18	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Pyrene	**0.13**		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*24*	*X*	*29 - 120*	*03/02/16 11:01*	*03/03/16 04:18*	*1*
Terphenyl-d14	*29*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 04:18*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**2700**		1.0		ug/L			03/06/16 20:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*101*		*66 - 132*		*03/06/16 20:28*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2100**		250		ug/L		03/04/16 11:31	03/08/16 13:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/04/16 11:31*	*03/08/16 13:36*	*5*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-18
Date Collected: 02/26/16 14:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-13
Matrix: Water

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]	980		51		ug/L		03/04/16 11:39	03/07/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/07/16 16:25*	*1*
p-Terphenyl	*59*		*31 - 150*	*03/04/16 11:39*	*03/07/16 16:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			03/02/16 01:11	1

Client Sample ID: MW-19

Date Collected: 02/26/16 14:27
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 14:29	1
Benzene	ND		0.50		ug/L			03/01/16 14:29	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 14:29	1
Naphthalene	ND		1.0		ug/L			03/01/16 14:29	1
Toluene	ND		0.50		ug/L			03/01/16 14:29	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 14:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*03/01/16 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*72 - 130*		*03/01/16 14:29*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/01/16 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.36**		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Acenaphthene	**0.17**		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Fluorene	**0.36**		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Phenanthrene	**0.22**		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*29 - 120*	*03/02/16 11:01*	*03/03/16 01:33*	*1*
Terphenyl-d14	*25*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 01:33*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4700**		2.5		ug/L			03/06/16 20:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*101*		*66 - 132*		*03/06/16 20:45*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1300**		50		ug/L		03/04/16 11:31	03/08/16 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*154*		*23 - 156*	*03/04/16 11:31*	*03/08/16 11:09*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-19
Date Collected: 02/26/16 14:27
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-14
Matrix: Water

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]	110		50		ug/L		03/04/16 11:39	03/07/16 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/07/16 16:55*	*1*
p-Terphenyl	*88*		*31 - 150*	*03/04/16 11:39*	*03/07/16 16:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5100		33		mg/L			03/02/16 01:14	1

Client Sample ID: MW-20

Date Collected: 02/26/16 14:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 14:57	1
Benzene	ND		0.50		ug/L			03/01/16 14:57	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 14:57	1
Naphthalene	ND		1.0		ug/L			03/01/16 14:57	1
Toluene	ND		0.50		ug/L			03/01/16 14:57	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 14:57	1
Gasoline Range Organics (GRO) -C5-C12	**67**		50		ug/L			03/01/16 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*03/01/16 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*		*03/01/16 14:57*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/01/16 14:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.41**		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Acenaphthene	**0.52**		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Acenaphthylene	**0.23**		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Fluorene	**1.7**		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Phenanthrene	**0.13**		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*29 - 120*	*03/02/16 11:01*	*03/03/16 01:57*	*1*
Terphenyl-d14	*36*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 01:57*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4600**		2.5		ug/L			03/06/16 21:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*99*		*66 - 132*		*03/06/16 21:02*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4600**		50		ug/L		03/04/16 11:31	03/07/16 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*69*		*23 - 156*	*03/04/16 11:31*	*03/07/16 19:06*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-20
Date Collected: 02/26/16 14:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-15
Matrix: Water

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]	820		50		ug/L		03/04/16 11:39	03/05/16 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*1*		*0 - 5*	*03/04/16 11:39*	*03/05/16 19:35*	*1*
p-Terphenyl	*75*		*31 - 150*	*03/04/16 11:39*	*03/05/16 19:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1600		10		mg/L			03/02/16 01:17	1

Client Sample ID: MW-21

Date Collected: 02/26/16 10:50
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 15:24	1
Benzene	ND		0.50		ug/L			03/01/16 15:24	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 15:24	1
Naphthalene	ND		1.0		ug/L			03/01/16 15:24	1
Toluene	ND		0.50		ug/L			03/01/16 15:24	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 15:24	1
Gasoline Range Organics (GRO) -C5-C12	**94**		50		ug/L			03/01/16 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*03/01/16 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*72 - 130*		*03/01/16 15:24*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/01/16 15:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.43**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Acenaphthene	**0.92**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Acenaphthylene	**0.41**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Fluorene	**3.2**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Phenanthrene	**0.69**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Anthracene	**0.10**		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*29 - 120*	*03/02/16 11:01*	*03/03/16 02:20*	*1*
Terphenyl-d14	*31*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 02:20*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5600**		5.0		ug/L			03/07/16 12:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*111*		*66 - 132*		*03/07/16 12:43*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**8100**		160		ug/L		03/04/16 11:31	03/07/16 19:30	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*73*		*23 - 156*	*03/04/16 11:31*	*03/07/16 19:30*	*3*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-21
Date Collected: 02/26/16 10:50
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-16
Matrix: Water

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]	1600		52		ug/L		03/04/16 11:39	03/05/16 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*4*		*0 - 5*	*03/04/16 11:39*	*03/05/16 20:04*	*1*
p-Terphenyl	*88*		*31 - 150*	*03/04/16 11:39*	*03/05/16 20:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10		mg/L			03/02/16 01:21	1

Client Sample ID: MW-22

Date Collected: 02/26/16 10:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 15:52	1
Benzene	ND		0.50		ug/L			03/01/16 15:52	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 15:52	1
Naphthalene	**3.6**		1.0		ug/L			03/01/16 15:52	1
Toluene	ND		0.50		ug/L			03/01/16 15:52	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 15:52	1
Gasoline Range Organics (GRO) -C5-C12	**240**		50		ug/L			03/01/16 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*03/01/16 15:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*72 - 130*		*03/01/16 15:52*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/01/16 15:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2.9**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Acenaphthene	**3.2**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Acenaphthylene	**0.66**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Fluorene	**7.7**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Phenanthrene	**8.3**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Anthracene	**0.64**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Chrysene	**0.11**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Fluoranthene	**0.71**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Pyrene	**0.52**		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*29 - 120*	*03/02/16 11:01*	*03/03/16 03:55*	*1*
Terphenyl-d14	*30*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 03:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5200**		2.5		ug/L			03/07/16 13:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*106*		*66 - 132*		*03/07/16 13:35*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**68000**		1000		ug/L		03/04/16 11:31	03/08/16 11:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/04/16 11:31*	*03/08/16 11:34*	*20*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-22
Date Collected: 02/26/16 10:15
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-17
Matrix: Water

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]	35000		520		ug/L		03/04/16 11:39	03/05/16 20:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/05/16 20:33*	*10*
p-Terphenyl	*0*	*X D*	*31 - 150*	*03/04/16 11:39*	*03/05/16 20:33*	*10*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1700		10		mg/L			03/02/16 01:24	1

Client Sample ID: MW-23

Date Collected: 02/26/16 15:16
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 01:26	1
Benzene	ND		0.50		ug/L			03/02/16 01:26	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 01:26	1
Naphthalene	**1.2**		1.0		ug/L			03/02/16 01:26	1
Toluene	ND		0.50		ug/L			03/02/16 01:26	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 01:26	1
Gasoline Range Organics (GRO) -C5-C12	**100**		50		ug/L			03/02/16 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*03/02/16 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*72 - 130*		*03/02/16 01:26*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/02/16 01:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.1**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Acenaphthene	**0.84**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Acenaphthylene	**0.23**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Fluorene	**2.0**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Phenanthrene	**2.1**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Pyrene	**0.15**		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/03/16 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*29 - 120*	*03/02/16 11:01*	*03/03/16 03:31*	*1*
Terphenyl-d14	*29*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 03:31*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**6800**		2.5		ug/L			03/07/16 13:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*105*		*66 - 132*		*03/07/16 13:52*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11000**		250		ug/L		03/04/16 11:31	03/08/16 11:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/04/16 11:31*	*03/08/16 11:58*	*5*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-23
Date Collected: 02/26/16 15:16
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-18
Matrix: Water

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		50		ug/L		03/04/16 11:39	03/05/16 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*23*	*X*	*0 - 5*	*03/04/16 11:39*	*03/05/16 21:02*	*1*
p-Terphenyl	*150*		*31 - 150*	*03/04/16 11:39*	*03/05/16 21:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2200		10		mg/L			03/02/16 01:27	1

Client Sample ID: MW-25

Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-19

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			03/02/16 12:00	5
Benzene	ND		2.5		ug/L			03/02/16 12:00	5
Ethylbenzene	ND		2.5		ug/L			03/02/16 12:00	5
Naphthalene	**270**		5.0		ug/L			03/02/16 12:00	5
Toluene	ND		2.5		ug/L			03/02/16 12:00	5
Xylenes, Total	ND		5.0		ug/L			03/02/16 12:00	5
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/L			03/02/16 12:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*03/02/16 12:00*	*5*
1,2-Dichloroethane-d4 (Surr)	*126*		*72 - 130*		*03/02/16 12:00*	*5*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/02/16 12:00*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**190**		1.1		ug/L		03/02/16 11:01	03/05/16 13:56	10
Acenaphthene	**58**		1.1		ug/L		03/02/16 11:01	03/05/16 13:56	10
Acenaphthylene	**0.37**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Fluorene	**47**		1.1		ug/L		03/02/16 11:01	03/05/16 13:56	10
Phenanthrene	**88**		1.1		ug/L		03/02/16 11:01	03/05/16 13:56	10
Anthracene	**8.3**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Benzo[a]anthracene	**1.6**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Chrysene	**1.5**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Benzo[a]pyrene	**0.24**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Benzo[b]fluoranthene	**0.44**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Benzo[k]fluoranthene	**0.19**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Fluoranthene	**19**		1.1		ug/L		03/02/16 11:01	03/05/16 13:56	10
Pyrene	**8.0**		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*49*		*29 - 120*	*03/02/16 11:01*	*03/03/16 02:44*	*1*
2-Fluorobiphenyl	*60*		*29 - 120*	*03/02/16 11:01*	*03/05/16 13:56*	*10*
Terphenyl-d14	*35*	*X*	*45 - 120*	*03/02/16 11:01*	*03/03/16 02:44*	*1*
Terphenyl-d14	*36*	*X*	*45 - 120*	*03/02/16 11:01*	*03/05/16 13:56*	*10*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4200**	**E**	1.0		ug/L			03/07/16 14:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*99*		*66 - 132*		*03/07/16 14:09*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3700**		51		ug/L		03/04/16 11:31	03/07/16 20:45	1

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-25
Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-19
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	80		23 - 156	03/04/16 11:31	03/07/16 20:45	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]	1100		51		ug/L		03/04/16 11:39	03/07/16 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	2		0 - 5	03/04/16 11:39	03/07/16 17:03	1
p-Terphenyl	81		31 - 150	03/04/16 11:39	03/07/16 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2500		13		mg/L			03/02/16 01:30	1

Client Sample ID: MW-26

Date Collected: 02/26/16 14:35
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 03:17	1
Benzene	ND		0.50		ug/L			03/02/16 03:17	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 03:17	1
Naphthalene	ND		1.0		ug/L			03/02/16 03:17	1
Toluene	ND		0.50		ug/L			03/02/16 03:17	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 03:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*03/02/16 03:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*		*03/02/16 03:17*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/02/16 03:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Acenaphthene	**0.15**		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Acenaphthylene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Fluorene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Phenanthrene	**0.13**		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Benzo[a]anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Chrysene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Benzo[a]pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Benzo[b]fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Benzo[k]fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Benzo[g,h,i]perylene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Indeno[1,2,3-cd]pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Fluoranthene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Pyrene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1
Dibenz(a,h)anthracene	ND		0.11		ug/L		03/02/16 11:01	03/03/16 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*29 - 120*	*03/02/16 11:01*	*03/03/16 03:07*	*1*
Terphenyl-d14	*51*		*45 - 120*	*03/02/16 11:01*	*03/03/16 03:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4100**		2.5		ug/L			03/07/16 14:26	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*103*		*66 - 132*		*03/07/16 14:26*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**250**		53		ug/L		03/04/16 11:31	03/07/16 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*98*		*23 - 156*	*03/04/16 11:31*	*03/07/16 21:09*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-26
Date Collected: 02/26/16 14:35
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		53		ug/L		03/04/16 11:39	03/06/16 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.007*		*0 - 5*	*03/04/16 11:39*	*03/06/16 00:27*	*1*
p-Terphenyl	*95*		*31 - 150*	*03/04/16 11:39*	*03/06/16 00:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10		mg/L			03/02/16 01:33	1

Client Sample ID: MW-27

Date Collected: 02/26/16 14:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 03:44	1
Benzene	ND		0.50		ug/L			03/02/16 03:44	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 03:44	1
Naphthalene	ND		1.0		ug/L			03/02/16 03:44	1
Toluene	ND		0.50		ug/L			03/02/16 03:44	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 03:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*03/02/16 03:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*72 - 130*		*03/02/16 03:44*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/02/16 03:44*	*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		03/04/16 11:47	03/05/16 14:44	1
Acenaphthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Acenaphthylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Fluorene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Phenanthrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*47*		*29 - 120*	*03/04/16 11:47*	*03/05/16 14:44*	*1*
Terphenyl-d14	*49*		*45 - 120*	*03/04/16 11:47*	*03/05/16 14:44*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1800**		0.50		ug/L			03/06/16 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*77*		*66 - 132*		*03/06/16 23:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**890**		51		ug/L		03/04/16 11:31	03/07/16 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*113*		*23 - 156*	*03/04/16 11:31*	*03/07/16 21:34*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-27
Date Collected: 02/26/16 14:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		51		ug/L		03/04/16 11:39	03/07/16 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0005*		*0 - 5*	*03/04/16 11:39*	*03/07/16 11:43*	*1*
p-Terphenyl	*93*		*31 - 150*	*03/04/16 11:39*	*03/07/16 11:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1500**		10		mg/L			03/02/16 01:36	1

Client Sample ID: MW-28

Date Collected: 02/26/16 14:40
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 04:12	1
Benzene	ND		0.50		ug/L			03/02/16 04:12	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 04:12	1
Naphthalene	ND		1.0		ug/L			03/02/16 04:12	1
Toluene	ND		0.50		ug/L			03/02/16 04:12	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 04:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*03/02/16 04:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*72 - 130*		*03/02/16 04:12*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/02/16 04:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.11**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Acenaphthene	**0.41**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Acenaphthylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Fluorene	**0.20**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Phenanthrene	**0.46**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Fluoranthene	**0.30**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Pyrene	**0.19**		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*29 - 120*	*03/04/16 11:47*	*03/05/16 15:07*	*1*
Terphenyl-d14	*44*	*X*	*45 - 120*	*03/04/16 11:47*	*03/05/16 15:07*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**6300**		2.5		ug/L			03/08/16 20:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*93*		*66 - 132*		*03/08/16 20:19*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1400**		51		ug/L		03/04/16 11:31	03/07/16 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*119*		*23 - 156*	*03/04/16 11:31*	*03/07/16 21:58*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-28
Date Collected: 02/26/16 14:40
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160		51		ug/L		03/04/16 11:39	03/07/16 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/07/16 17:24*	*1*
p-Terphenyl	*150*		*31 - 150*	*03/04/16 11:39*	*03/07/16 17:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2700		13		mg/L			03/02/16 01:40	1

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-29

Date Collected: 02/26/16 11:50
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 04:39	1
Benzene	ND		0.50		ug/L			03/02/16 04:39	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 04:39	1
Naphthalene	ND		1.0		ug/L			03/02/16 04:39	1
Toluene	ND		0.50		ug/L			03/02/16 04:39	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 04:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*03/02/16 04:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*		*03/02/16 04:39*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*03/02/16 04:39*	*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		03/04/16 11:47	03/05/16 15:31	1
Acenaphthene	**0.22**		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Acenaphthylene	**0.11**		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Fluorene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Phenanthrene	**0.19**		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*29 - 120*	*03/04/16 11:47*	*03/05/16 15:31*	*1*
Terphenyl-d14	*64*		*45 - 120*	*03/04/16 11:47*	*03/05/16 15:31*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5600**		2.5		ug/L			03/07/16 15:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*99*		*66 - 132*		*03/07/16 15:18*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**930**		50		ug/L		03/04/16 11:31	03/07/16 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*79*		*23 - 156*	*03/04/16 11:31*	*03/07/16 22:23*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-29
Date Collected: 02/26/16 11:50
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-23
Matrix: Water

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]	67		50		ug/L		03/04/16 11:39	03/07/16 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*1*		*0 - 5*	*03/04/16 11:39*	*03/07/16 17:03*	*1*
p-Terphenyl	*93*		*31 - 150*	*03/04/16 11:39*	*03/07/16 17:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1500		10		mg/L			03/02/16 01:43	1

Client Sample ID: IW-3

Date Collected: 02/26/16 13:08
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 05:07	1
Benzene	ND		0.50		ug/L			03/02/16 05:07	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 05:07	1
Naphthalene	ND		1.0		ug/L			03/02/16 05:07	1
Toluene	ND		0.50		ug/L			03/02/16 05:07	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 05:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*03/02/16 05:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*72 - 130*		*03/02/16 05:07*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/02/16 05:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.50**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Acenaphthene	**2.4**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Acenaphthylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Fluorene	**1.2**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Phenanthrene	**1.1**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Anthracene	**0.11**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Fluoranthene	**0.19**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Pyrene	**0.12**		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*29 - 120*	*03/04/16 11:47*	*03/05/16 15:55*	*1*
Terphenyl-d14	*49*		*45 - 120*	*03/04/16 11:47*	*03/05/16 15:55*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**8100**		2.5		ug/L			03/07/16 15:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*100*		*66 - 132*		*03/07/16 15:35*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**670**		50		ug/L		03/04/16 11:31	03/07/16 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*94*		*23 - 156*	*03/04/16 11:31*	*03/07/16 22:47*	*1*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: IW-3
Date Collected: 02/26/16 13:08
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-24
Matrix: Water

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]	60		50		ug/L		03/04/16 11:39	03/07/16 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/07/16 17:53*	*1*
p-Terphenyl	*89*		*31 - 150*	*03/04/16 11:39*	*03/07/16 17:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2500		10		mg/L			03/02/16 01:46	1

Client Sample ID: IW-5

Date Collected: 02/26/16 10:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 05:34	1
Benzene	ND		0.50		ug/L			03/02/16 05:34	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 05:34	1
Naphthalene	**2.3**		1.0		ug/L			03/02/16 05:34	1
Toluene	ND		0.50		ug/L			03/02/16 05:34	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 05:34	1
Gasoline Range Organics (GRO) -C5-C12	**510**		50		ug/L			03/02/16 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*03/02/16 05:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*72 - 130*		*03/02/16 05:34*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/02/16 05:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.75**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Acenaphthene	**2.2**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Acenaphthylene	**0.69**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Fluorene	**5.9**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Phenanthrene	**4.4**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Pyrene	**0.34**		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*29 - 120*	*03/04/16 11:47*	*03/05/16 16:18*	*1*
Terphenyl-d14	*45*		*45 - 120*	*03/04/16 11:47*	*03/05/16 16:18*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**8900**		2.5		ug/L			03/07/16 15:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*100*		*66 - 132*		*03/07/16 15:52*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**42000**		500		ug/L		03/04/16 11:31	03/07/16 23:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*X D*	*23 - 156*	*03/04/16 11:31*	*03/07/16 23:36*	*10*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: IW-5
Date Collected: 02/26/16 10:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-25
Matrix: Water

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]	26000		250		ug/L		03/04/16 11:39	03/07/16 17:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 5*	*03/04/16 11:39*	*03/07/16 17:52*	*5*
p-Terphenyl	*0*	*D X*	*31 - 150*	*03/04/16 11:39*	*03/07/16 17:52*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			03/02/16 01:49	1

Client Sample ID: IW-6

Date Collected: 02/26/16 12:25
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/04/16 02:38	1
Benzene	ND		0.50		ug/L			03/04/16 02:38	1
Ethylbenzene	ND		0.50		ug/L			03/04/16 02:38	1
Naphthalene	**1.2**		1.0		ug/L			03/04/16 02:38	1
Toluene	ND		0.50		ug/L			03/04/16 02:38	1
Xylenes, Total	ND		1.0		ug/L			03/04/16 02:38	1
Gasoline Range Organics (GRO) -C5-C12	**160**		50		ug/L			03/04/16 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*67 - 130*		*03/04/16 02:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*138*	*X*	*72 - 130*		*03/04/16 02:38*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/04/16 02:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.70**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Acenaphthene	**0.75**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Acenaphthylene	**0.31**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Fluorene	**2.3**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Phenanthrene	**1.6**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Anthracene	**0.10**		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*		*29 - 120*	*03/04/16 11:47*	*03/05/16 16:42*	*1*
Terphenyl-d14	*38*	*X*	*45 - 120*	*03/04/16 11:47*	*03/05/16 16:42*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**6600**		2.5		ug/L			03/07/16 16:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*98*		*66 - 132*		*03/07/16 16:10*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6000**		150		ug/L		03/04/16 11:31	03/08/16 12:23	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*89*		*23 - 156*	*03/04/16 11:31*	*03/08/16 12:23*	*3*

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: IW-6
Date Collected: 02/26/16 12:25
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-26
Matrix: Water

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]	1800		50		ug/L		03/04/16 11:39	03/07/16 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*8*	*X*	*0 - 5*	*03/04/16 11:39*	*03/07/16 17:27*	*1*
p-Terphenyl	*82*		*31 - 150*	*03/04/16 11:39*	*03/07/16 17:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	9000		50		mg/L			03/03/16 00:21	1

Surrogate Summary

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

TestAmerica Job ID: 720-70520-1

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)
720-70520-1	MW-2	106	127	100
720-70520-1 MS	MW-2	107	118	101
720-70520-1 MSD	MW-2	103	120	100
720-70520-2	MW-3	104	119	101
720-70520-3	MW-4	103	122	102
720-70520-4	MW-8	103	125	102
720-70520-5	MW-9	105	128	101
720-70520-6	MW-10	99	122	99
720-70520-7	MW-11	100	118	99
720-70520-8	MW-13	102	121	98
720-70520-9	MW-14	102	123	100
720-70520-10	MW-15	91	124	94
720-70520-11	MW-16	92	121	95
720-70520-12	MW-17	91	113	116
720-70520-13	MW-18	96	117	94
720-70520-13 MS	MW-18	129	95	79
720-70520-13 MSD	MW-18	106	106	98
720-70520-14	MW-19	94	118	94
720-70520-15	MW-20	97	116	97
720-70520-16	MW-21	98	113	97
720-70520-17	MW-22	98	112	96
720-70520-18	MW-23	98	117	96
720-70520-19	MW-25	98	126	96
720-70520-20	MW-26	93	120	96
720-70520-20 MS	MW-26	112	108	97
720-70520-20 MSD	MW-26	106	108	97
720-70520-21	MW-27	98	118	95
720-70520-22	MW-28	92	125	96
720-70520-23	MW-29	94	120	94
720-70520-24	IW-3	97	122	95
720-70520-25	IW-5	105	115	95
720-70520-26	IW-6	105	138 X	98
720-70520-A-26 MS	720-70520-A-26 MS	102	123	102
720-70520-A-26 MSD	720-70520-A-26 MSD	104	120	101
LCS 720-197855/5	Lab Control Sample	104	116	99
LCS 720-197855/7	Lab Control Sample	106	120	102
LCS 720-197858/5	Lab Control Sample	105	85	94
LCS 720-197858/7	Lab Control Sample	99	124	99
LCS 720-197896/5	Lab Control Sample	105	104	97
LCS 720-197896/7	Lab Control Sample	102	104	99
LCS 720-197919/6	Lab Control Sample	100	116	101
LCS 720-197919/8	Lab Control Sample	107	121	100
LCS 720-198063/5	Lab Control Sample	105	128	102
LCS 720-198063/7	Lab Control Sample	105	127	100
LCSD 720-197855/6	Lab Control Sample Dup	99	116	100
LCSD 720-197855/8	Lab Control Sample Dup	105	118	101
LCSD 720-197858/6	Lab Control Sample Dup	123	98	96
LCSD 720-197858/8	Lab Control Sample Dup	100	96	77
LCSD 720-197896/6	Lab Control Sample Dup	109	104	99

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (67-130)	12DCE (72-130)	TOL (70-130)
LCSD 720-197896/8	Lab Control Sample Dup	106	104	100
LCSD 720-197919/7	Lab Control Sample Dup	103	116	101
LCSD 720-197919/9	Lab Control Sample Dup	103	121	101
LCSD 720-198063/6	Lab Control Sample Dup	101	128	101
LCSD 720-198063/8	Lab Control Sample Dup	105	127	100
MB 720-197855/4	Method Blank	101	116	97
MB 720-197858/4	Method Blank	91	115	95
MB 720-197896/4	Method Blank	96	112	96
MB 720-197919/5	Method Blank	96	121	97
MB 720-198063/4	Method Blank	102	125	98

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)	
Lab Sample ID	Client Sample ID	FBP (29-120)	TPH (45-120)
720-70520-1	MW-2	52	39 X
720-70520-2	MW-3	52	28 X
720-70520-3	MW-4	55	42 X
720-70520-4	MW-8	48	44 X
720-70520-5	MW-9	55	54
720-70520-6	MW-10	61	63
720-70520-7	MW-11	58	30 X
720-70520-8	MW-13	49	35 X
720-70520-9	MW-14	58	35 X
720-70520-10	MW-15	56	45
720-70520-11	MW-16	60	36 X
720-70520-12	MW-17	62	43 X
720-70520-13	MW-18	24 X	29 X
720-70520-14	MW-19	55	25 X
720-70520-15	MW-20	51	36 X
720-70520-16	MW-21	48	31 X
720-70520-17	MW-22	58	30 X
720-70520-18	MW-23	56	29 X
720-70520-19	MW-25	49	35 X
720-70520-19	MW-25	60	36 X
720-70520-20	MW-26	53	51
720-70520-21	MW-27	47	49
720-70520-22	MW-28	63	44 X
720-70520-23	MW-29	58	64
720-70520-24	IW-3	63	49
720-70520-25	IW-5	52	45
720-70520-26	IW-6	43	38 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 720-197943/2-A	Lab Control Sample	73	73							
LCS 720-198111/2-A	Lab Control Sample	52	83							
LCSD 720-197943/3-A	Lab Control Sample Dup	71	70							
LCSD 720-198111/3-A	Lab Control Sample Dup	58	80							
MB 720-197943/1-A	Method Blank	69	73							
MB 720-198111/1-A	Method Blank	64	83							

Surrogate Legend

FBP = 2-Fluorobiphenyl

TPH = Terphenyl-d14

Method: RSK-175 - Dissolved Gases (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	rifluoroet (66-132)								
720-70520-1	MW-2	76								
720-70520-2	MW-3	110								
720-70520-2 MS	MW-3	117								
720-70520-2 MSD	MW-3	103								
720-70520-3	MW-4	107								
720-70520-4	MW-8	81								
720-70520-5	MW-9	107								
720-70520-6	MW-10	105								
720-70520-7	MW-11	102								
720-70520-8	MW-13	104								
720-70520-9	MW-14	79								
720-70520-10	MW-15	101								
720-70520-11	MW-16	102								
720-70520-12	MW-17	101								
720-70520-13	MW-18	101								
720-70520-14	MW-19	101								
720-70520-15	MW-20	99								
720-70520-16	MW-21	111								
720-70520-16 MS	MW-21	108								
720-70520-16 MSD	MW-21	104								
720-70520-17	MW-22	106								
720-70520-18	MW-23	105								
720-70520-19	MW-25	99								
720-70520-20	MW-26	103								
720-70520-21	MW-27	77								
720-70520-22	MW-28	93								
720-70520-23	MW-29	99								
720-70520-24	IW-3	100								
720-70520-25	IW-5	100								
720-70520-26	IW-6	98								
LCS 240-220209/5	Lab Control Sample	107								
LCS 240-220395/5	Lab Control Sample	112								

Method: RSK-175 - Dissolved Gases (GC) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	Trifluoroet (66-132)
LCS 240-220447/5	Lab Control Sample	108
LCS 240-220636/5	Lab Control Sample	110
MB 240-220209/4	Method Blank	110
MB 240-220395/4	Method Blank	113
MB 240-220447/4	Method Blank	109
MB 240-220636/4	Method Blank	111

Surrogate Legend

1,1,1-Trifluoroethane = 1,1,1-Trifluoroethane

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	PTP1 (23-156)
720-70520-1	MW-2	0 X D
720-70520-2	MW-3	0 X D
720-70520-3	MW-4	53
720-70520-4	MW-8	79
720-70520-5	MW-9	91
720-70520-6	MW-10	87
720-70520-7	MW-11	65
720-70520-8	MW-13	75
720-70520-9	MW-14	73
720-70520-10	MW-15	77
720-70520-11	MW-16	90
720-70520-12	MW-17	102
720-70520-13	MW-18	0 X D
720-70520-14	MW-19	154
720-70520-15	MW-20	69
720-70520-16	MW-21	73
720-70520-17	MW-22	0 X D
720-70520-18	MW-23	0 X D
720-70520-19	MW-25	80
720-70520-20	MW-26	98
720-70520-21	MW-27	113
720-70520-22	MW-28	119
720-70520-23	MW-29	79
720-70520-24	IW-3	94
720-70520-25	IW-5	0 X D
720-70520-26	IW-6	89
LCS 720-197874/2-A	Lab Control Sample	91
LCS 720-198109/2-A	Lab Control Sample	112
LCSD 720-197874/3-A	Lab Control Sample Dup	92
LCSD 720-198109/3-A	Lab Control Sample Dup	113
MB 720-197874/1-A	Method Blank	69
MB 720-198109/1-A	Method Blank	103

Surrogate Legend

PTP = p-Terphenyl

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)
720-70520-1	MW-2	0	84
720-70520-2	MW-3	6 X	67
720-70520-3	MW-4	2	77
720-70520-4	MW-8	0.005	69
720-70520-5	MW-9	0.002	81
720-70520-6	MW-10	0.07	90
720-70520-7	MW-11	0.003	82
720-70520-8	MW-13	0.08	74
720-70520-9	MW-14	0.07	76
720-70520-10	MW-15	0.006	84
720-70520-11	MW-16	0.2	97
720-70520-12	MW-17	0.01	90
720-70520-13	MW-18	0	59
720-70520-14	MW-19	0	88
720-70520-15	MW-20	1	75
720-70520-16	MW-21	4	88
720-70520-17	MW-22	0	0 X D
720-70520-18	MW-23	23 X	150
720-70520-19	MW-25	2	81
720-70520-20	MW-26	0.007	95
720-70520-21	MW-27	0.0005	93
720-70520-22	MW-28	0	150
720-70520-23	MW-29	1	93
720-70520-24	IW-3	0	89
720-70520-25	IW-5	0	0 D X
720-70520-26	IW-6	8 X	82
LCS 720-197917/2-A	Lab Control Sample		86
LCS 720-198110/2-A	Lab Control Sample		96
LCSD 720-197917/3-A	Lab Control Sample Dup		81
LCSD 720-198110/3-A	Lab Control Sample Dup		89
MB 720-197917/1-A	Method Blank	0.003	74
MB 720-198110/1-A	Method Blank	0.008	80

Surrogate Legend

NDA = Capric Acid (Surr)
PTP = p-Terphenyl

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

Lab Sample ID: MB 720-197855/4
Matrix: Water
Analysis Batch: 197855

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 09:10	1
Benzene	ND		0.50		ug/L			03/01/16 09:10	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 09:10	1
Naphthalene	ND		1.0		ug/L			03/01/16 09:10	1
Toluene	ND		0.50		ug/L			03/01/16 09:10	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 09:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*67 - 130*		*03/01/16 09:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*		*03/01/16 09:10*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/01/16 09:10*	*1*

Lab Sample ID: LCS 720-197855/5
Matrix: Water
Analysis Batch: 197855

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	26.2		ug/L		105	62 - 130
Benzene	25.0	22.7		ug/L		91	79 - 130
Ethylbenzene	25.0	21.9		ug/L		88	80 - 120
Naphthalene	25.0	21.2		ug/L		85	70 - 130
Toluene	25.0	22.0		ug/L		88	78 - 120
m-Xylene & p-Xylene	25.0	24.5		ug/L		98	70 - 142
o-Xylene	25.0	24.5		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-197855/7
Matrix: Water
Analysis Batch: 197855

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	586		ug/L		117	71 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: LCSD 720-197855/6
Matrix: Water
Analysis Batch: 197855

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	26.1		ug/L		104	62 - 130	0	20
Benzene			25.0	22.7		ug/L		91	79 - 130	0	20
Ethylbenzene			25.0	21.7		ug/L		87	80 - 120	1	20
Naphthalene			25.0	21.8		ug/L		87	70 - 130	3	20
Toluene			25.0	21.7		ug/L		87	78 - 120	2	20
m-Xylene & p-Xylene			25.0	24.4		ug/L		98	70 - 142	0	20
o-Xylene			25.0	24.4		ug/L		98	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-197855/8
Matrix: Water
Analysis Batch: 197855

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	612		ug/L		122	71 - 125	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*118*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 720-70520-1 MS
Matrix: Water
Analysis Batch: 197855

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		25.0	27.4		ug/L		110	60 - 138
Benzene	ND		25.0	22.7		ug/L		90	60 - 140
Ethylbenzene	ND		25.0	21.2		ug/L		85	60 - 140
Naphthalene	ND		25.0	25.4		ug/L		99	56 - 140
Toluene	ND		25.0	20.8		ug/L		82	60 - 140
m-Xylene & p-Xylene	ND		25.0	23.9		ug/L		96	60 - 140
o-Xylene	ND		25.0	24.7		ug/L		99	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*118*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

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

Lab Sample ID: 720-70520-1 MSD
Matrix: Water
Analysis Batch: 197855

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	27.8		ug/L		111	60 - 138	1	20
Benzene	ND		25.0	23.0		ug/L		91	60 - 140	1	20
Ethylbenzene	ND		25.0	21.2		ug/L		85	60 - 140	0	20
Naphthalene	ND		25.0	26.3		ug/L		102	56 - 140	3	20
Toluene	ND		25.0	21.3		ug/L		84	60 - 140	3	20
m-Xylene & p-Xylene	ND		25.0	23.8		ug/L		95	60 - 140	1	20
o-Xylene	ND		25.0	24.4		ug/L		98	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 720-197858/4
Matrix: Water
Analysis Batch: 197858

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 08:54	1
Benzene	ND		0.50		ug/L			03/01/16 08:54	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 08:54	1
Naphthalene	ND		1.0		ug/L			03/01/16 08:54	1
Toluene	ND		0.50		ug/L			03/01/16 08:54	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 08:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*03/01/16 08:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*72 - 130*		*03/01/16 08:54*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*03/01/16 08:54*	*1*

Lab Sample ID: LCS 720-197858/5
Matrix: Water
Analysis Batch: 197858

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			25.0	23.5		ug/L		94	62 - 130		
Benzene			25.0	23.0		ug/L		92	79 - 130		
Ethylbenzene			25.0	25.9		ug/L		103	80 - 120		
Naphthalene			25.0	29.9		ug/L		120	70 - 130		
Toluene			25.0	29.0		ug/L		116	78 - 120		
m-Xylene & p-Xylene			25.0	26.2		ug/L		105	70 - 142		
o-Xylene			25.0	26.0		ug/L		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*

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

Lab Sample ID: LCS 720-197858/5
Matrix: Water
Analysis Batch: 197858

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*72 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

Lab Sample ID: LCS 720-197858/7
Matrix: Water
Analysis Batch: 197858

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	575		ug/L		115	71 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*124*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-197858/6
Matrix: Water
Analysis Batch: 197858

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.8		ug/L		99	62 - 130	5	20
Benzene	25.0	22.9		ug/L		92	79 - 130	0	20
Ethylbenzene	25.0	28.8		ug/L		115	80 - 120	11	20
Naphthalene	25.0	25.1		ug/L		100	70 - 130	17	20
Toluene	25.0	26.9		ug/L		107	78 - 120	8	20
m-Xylene & p-Xylene	25.0	28.5		ug/L		114	70 - 142	8	20
o-Xylene	25.0	29.9		ug/L		120	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*123*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*72 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 720-197858/8
Matrix: Water
Analysis Batch: 197858

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	472		ug/L		94	71 - 125	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*72 - 130*
Toluene-d8 (Surr)	*77*		*70 - 130*

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

Lab Sample ID: 720-70520-13 MS
Matrix: Water
Analysis Batch: 197858

Client Sample ID: MW-18
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	23.0		ug/L		92	60 - 138
Benzene	ND		25.0	22.5		ug/L		90	60 - 140
Ethylbenzene	ND		25.0	25.6		ug/L		103	60 - 140
Naphthalene	ND		25.0	24.7		ug/L		99	56 - 140
Toluene	ND		25.0	28.5		ug/L		114	60 - 140
m-Xylene & p-Xylene	ND		25.0	25.6		ug/L		102	60 - 140
o-Xylene	ND		25.0	27.2		ug/L		109	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*129*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*72 - 130*
Toluene-d8 (Surr)	*79*		*70 - 130*

Lab Sample ID: 720-70520-13 MSD
Matrix: Water
Analysis Batch: 197858

Client Sample ID: MW-18
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	25.3		ug/L		101	60 - 138	10	20
Benzene	ND		25.0	22.4		ug/L		90	60 - 140	0	20
Ethylbenzene	ND		25.0	25.5		ug/L		102	60 - 140	1	20
Naphthalene	ND		25.0	27.2		ug/L		109	56 - 140	10	20
Toluene	ND		25.0	23.9		ug/L		96	60 - 140	17	20
m-Xylene & p-Xylene	ND		25.0	25.5		ug/L		102	60 - 140	0	20
o-Xylene	ND		25.0	25.7		ug/L		103	60 - 140	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*72 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 720-197896/4
Matrix: Water
Analysis Batch: 197896

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/01/16 19:25	1
Benzene	ND		0.50		ug/L			03/01/16 19:25	1
Ethylbenzene	ND		0.50		ug/L			03/01/16 19:25	1
Naphthalene	ND		1.0		ug/L			03/01/16 19:25	1
Toluene	ND		0.50		ug/L			03/01/16 19:25	1
Xylenes, Total	ND		1.0		ug/L			03/01/16 19:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/01/16 19:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*03/01/16 19:25*	*1*

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

Lab Sample ID: MB 720-197896/4
Matrix: Water
Analysis Batch: 197896

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*112*		*72 - 130*		*03/01/16 19:25*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*03/01/16 19:25*	*1*

Lab Sample ID: LCS 720-197896/5
Matrix: Water
Analysis Batch: 197896

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	23.4		ug/L		93	62 - 130
Benzene	25.0	21.0		ug/L		84	79 - 130
Ethylbenzene	25.0	24.8		ug/L		99	80 - 120
Naphthalene	25.0	22.3		ug/L		89	70 - 130
Toluene	25.0	23.1		ug/L		92	78 - 120
m-Xylene & p-Xylene	25.0	25.3		ug/L		101	70 - 142
o-Xylene	25.0	25.0		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*105*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCS 720-197896/7
Matrix: Water
Analysis Batch: 197896

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	525		ug/L		105	71 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-197896/6
Matrix: Water
Analysis Batch: 197896

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.2		ug/L		97	62 - 130	4	20
Benzene	25.0	21.4		ug/L		86	79 - 130	2	20
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	3	20
Naphthalene	25.0	23.6		ug/L		95	70 - 130	6	20
Toluene	25.0	23.3		ug/L		93	78 - 120	1	20
m-Xylene & p-Xylene	25.0	25.9		ug/L		104	70 - 142	3	20
o-Xylene	25.0	25.5		ug/L		102	70 - 130	2	20

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

Lab Sample ID: LCSD 720-197896/6
Matrix: Water
Analysis Batch: 197896

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-197896/8
Matrix: Water
Analysis Batch: 197896

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	535		ug/L		107	71 - 125	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 720-70520-20 MS
Matrix: Water
Analysis Batch: 197896

Client Sample ID: MW-26
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	24.9		ug/L		99	60 - 138
Benzene	ND		25.0	21.6		ug/L		86	60 - 140
Ethylbenzene	ND		25.0	25.0		ug/L		100	60 - 140
Naphthalene	ND		25.0	24.1		ug/L		95	56 - 140
Toluene	ND		25.0	23.1		ug/L		93	60 - 140
m-Xylene & p-Xylene	ND		25.0	25.5		ug/L		102	60 - 140
o-Xylene	ND		25.0	25.4		ug/L		102	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*72 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 720-70520-20 MSD
Matrix: Water
Analysis Batch: 197896

Client Sample ID: MW-26
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	25.6		ug/L		102	60 - 138	3	20
Benzene	ND		25.0	21.3		ug/L		85	60 - 140	1	20
Ethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140	1	20
Naphthalene	ND		25.0	26.5		ug/L		104	56 - 140	9	20
Toluene	ND		25.0	23.4		ug/L		94	60 - 140	1	20
m-Xylene & p-Xylene	ND		25.0	25.7		ug/L		103	60 - 140	1	20
o-Xylene	ND		25.0	25.5		ug/L		102	60 - 140	0	20

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

Lab Sample ID: 720-70520-20 MSD
Matrix: Water
Analysis Batch: 197896

Client Sample ID: MW-26
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*108*		*72 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 720-197919/5
Matrix: Water
Analysis Batch: 197919

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/02/16 08:43	1
Benzene	ND		0.50		ug/L			03/02/16 08:43	1
Ethylbenzene	ND		0.50		ug/L			03/02/16 08:43	1
Naphthalene	ND		1.0		ug/L			03/02/16 08:43	1
Toluene	ND		0.50		ug/L			03/02/16 08:43	1
Xylenes, Total	ND		1.0		ug/L			03/02/16 08:43	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/02/16 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*03/02/16 08:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*72 - 130*		*03/02/16 08:43*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*03/02/16 08:43*	*1*

Lab Sample ID: LCS 720-197919/6
Matrix: Water
Analysis Batch: 197919

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	28.4		ug/L		114	62 - 130
Benzene	25.0	24.5		ug/L		98	79 - 130
Ethylbenzene	25.0	23.3		ug/L		93	80 - 120
Naphthalene	25.0	22.6		ug/L		90	70 - 130
Toluene	25.0	23.5		ug/L		94	78 - 120
m-Xylene & p-Xylene	25.0	26.1		ug/L		105	70 - 142
o-Xylene	25.0	25.9		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 720-197919/8
Matrix: Water
Analysis Batch: 197919

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	581		ug/L		116	71 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*107*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*121*		*72 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-197919/7
Matrix: Water
Analysis Batch: 197919

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	28.5		ug/L		114	62 - 130	0	20
Benzene			25.0	24.4		ug/L		98	79 - 130	0	20
Ethylbenzene			25.0	23.2		ug/L		93	80 - 120	0	20
Naphthalene			25.0	22.8		ug/L		91	70 - 130	1	20
Toluene			25.0	22.8		ug/L		91	78 - 120	3	20
m-Xylene & p-Xylene			25.0	26.3		ug/L		105	70 - 142	1	20
o-Xylene			25.0	26.7		ug/L		107	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*116*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-197919/9
Matrix: Water
Analysis Batch: 197919

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	572		ug/L		114	71 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*121*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 720-70520-A-26 MS
Matrix: Water
Analysis Batch: 197919

Client Sample ID: 720-70520-A-26 MS
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	30.2		ug/L		121	60 - 138
Benzene	ND		25.0	24.6		ug/L		97	60 - 140
Ethylbenzene	ND		25.0	22.9		ug/L		91	60 - 140
Naphthalene	1.7		25.0	28.7		ug/L		108	56 - 140
Toluene	ND		25.0	22.7		ug/L		91	60 - 140
m-Xylene & p-Xylene	ND		25.0	25.6		ug/L		102	60 - 140
o-Xylene	ND		25.0	26.1		ug/L		104	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*123*		*72 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: 720-70520-A-26 MSD
Matrix: Water
Analysis Batch: 197919

Client Sample ID: 720-70520-A-26 MSD
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	28.3		ug/L		113	60 - 138	6	20
Benzene	ND		25.0	24.6		ug/L		97	60 - 140	0	20
Ethylbenzene	ND		25.0	23.0		ug/L		91	60 - 140	0	20
Naphthalene	1.7		25.0	27.4		ug/L		103	56 - 140	5	20
Toluene	ND		25.0	22.9		ug/L		91	60 - 140	1	20
m-Xylene & p-Xylene	ND		25.0	25.7		ug/L		103	60 - 140	0	20
o-Xylene	ND		25.0	26.3		ug/L		105	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*120*		*72 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 720-198063/4
Matrix: Water
Analysis Batch: 198063

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			03/03/16 19:09	1
Benzene	ND		0.50		ug/L			03/03/16 19:09	1
Ethylbenzene	ND		0.50		ug/L			03/03/16 19:09	1
Naphthalene	ND		1.0		ug/L			03/03/16 19:09	1
Toluene	ND		0.50		ug/L			03/03/16 19:09	1
Xylenes, Total	ND		1.0		ug/L			03/03/16 19:09	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			03/03/16 19:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*67 - 130*		*03/03/16 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*125*		*72 - 130*		*03/03/16 19:09*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/03/16 19:09*	*1*

Lab Sample ID: LCS 720-198063/5
Matrix: Water
Analysis Batch: 198063

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	28.9		ug/L		116	62 - 130
Benzene	25.0	23.8		ug/L		95	79 - 130
Ethylbenzene	25.0	22.8		ug/L		91	80 - 120
Naphthalene	25.0	23.4		ug/L		93	70 - 130
Toluene	25.0	22.3		ug/L		89	78 - 120
m-Xylene & p-Xylene	25.0	25.9		ug/L		104	70 - 142
o-Xylene	25.0	25.9		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*67 - 130*

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

Lab Sample ID: LCS 720-198063/5
Matrix: Water
Analysis Batch: 198063

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	128		72 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCS 720-198063/7
Matrix: Water
Analysis Batch: 198063

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	579		ug/L		116	71 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		67 - 130
1,2-Dichloroethane-d4 (Surr)	127		72 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 720-198063/6
Matrix: Water
Analysis Batch: 198063

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.8		ug/L		111	62 - 130	4	20
Benzene	25.0	23.7		ug/L		95	79 - 130	0	20
Ethylbenzene	25.0	23.0		ug/L		92	80 - 120	1	20
Naphthalene	25.0	23.3		ug/L		93	70 - 130	0	20
Toluene	25.0	22.9		ug/L		92	78 - 120	3	20
m-Xylene & p-Xylene	25.0	25.9		ug/L		104	70 - 142	0	20
o-Xylene	25.0	25.9		ug/L		103	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	128		72 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 720-198063/8
Matrix: Water
Analysis Batch: 198063

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	573		ug/L		115	71 - 125	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	105		67 - 130
1,2-Dichloroethane-d4 (Surr)	127		72 - 130
Toluene-d8 (Surr)	100		70 - 130

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

Lab Sample ID: MB 720-197943/1-A
Matrix: Water
Analysis Batch: 197985

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 197943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Acenaphthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Acenaphthylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Fluorene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Phenanthrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Benzo[a]anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Chrysene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Benzo[a]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Fluoranthene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Pyrene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/02/16 11:01	03/02/16 20:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*29 - 120*	*03/02/16 11:01*	*03/02/16 20:26*	*1*
Terphenyl-d14	*73*		*45 - 120*	*03/02/16 11:01*	*03/02/16 20:26*	*1*

Lab Sample ID: LCS 720-197943/2-A
Matrix: Water
Analysis Batch: 197985

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 197943

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	10.0	7.10		ug/L		71	19 - 120
Acenaphthene	10.0	6.35		ug/L		64	24 - 120
Acenaphthylene	10.0	6.81		ug/L		68	24 - 120
Fluorene	10.0	6.75		ug/L		67	27 - 120
Phenanthrene	10.0	7.38		ug/L		74	31 - 120
Anthracene	10.0	7.19		ug/L		72	44 - 120
Benzo[a]anthracene	10.0	7.38		ug/L		74	48 - 120
Chrysene	10.0	7.12		ug/L		71	47 - 120
Benzo[a]pyrene	10.0	6.24		ug/L		62	43 - 120
Benzo[b]fluoranthene	10.0	6.01		ug/L		60	42 - 120
Benzo[k]fluoranthene	10.0	5.58		ug/L		56	42 - 120
Benzo[g,h,i]perylene	10.0	5.81		ug/L		58	35 - 120
Indeno[1,2,3-cd]pyrene	10.0	5.47		ug/L		55	36 - 120
Fluoranthene	10.0	7.27		ug/L		73	43 - 120
Pyrene	10.0	6.94		ug/L		69	47 - 120
Dibenz(a,h)anthracene	10.0	5.61		ug/L		56	33 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*29 - 120*
Terphenyl-d14	*73*		*45 - 120*

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

Lab Sample ID: LCSD 720-197943/3-A
Matrix: Water
Analysis Batch: 197985

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 197943

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			10.0	6.84		ug/L		68	19 - 120	4	35
Acenaphthene			10.0	6.02		ug/L		60	24 - 120	5	35
Acenaphthylene			10.0	6.41		ug/L		64	24 - 120	6	35
Fluorene			10.0	6.41		ug/L		64	27 - 120	5	35
Phenanthrene			10.0	7.14		ug/L		71	31 - 120	3	35
Anthracene			10.0	6.90		ug/L		69	44 - 120	4	35
Benzo[a]anthracene			10.0	7.00		ug/L		70	48 - 120	5	35
Chrysene			10.0	6.73		ug/L		67	47 - 120	6	35
Benzo[a]pyrene			10.0	5.66		ug/L		57	43 - 120	10	35
Benzo[b]fluoranthene			10.0	5.69		ug/L		57	42 - 120	5	35
Benzo[k]fluoranthene			10.0	4.95		ug/L		49	42 - 120	12	35
Benzo[g,h,i]perylene			10.0	4.93		ug/L		49	35 - 120	17	35
Indeno[1,2,3-cd]pyrene			10.0	4.87		ug/L		49	36 - 120	12	35
Fluoranthene			10.0	7.05		ug/L		71	43 - 120	3	35
Pyrene			10.0	6.73		ug/L		67	47 - 120	3	35
Dibenz(a,h)anthracene			10.0	4.91		ug/L		49	33 - 120	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*29 - 120*
Terphenyl-d14	*70*		*45 - 120*

Lab Sample ID: MB 720-198111/1-A
Matrix: Water
Analysis Batch: 198159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Acenaphthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Acenaphthylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Fluorene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Phenanthrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Benzo[a]anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Chrysene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Benzo[a]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Benzo[b]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Benzo[k]fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Benzo[g,h,i]perylene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Indeno[1,2,3-cd]pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Fluoranthene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Pyrene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1
Dibenz(a,h)anthracene	ND		0.10		ug/L		03/04/16 11:47	03/05/16 13:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*29 - 120*	*03/04/16 11:47*	*03/05/16 13:33*	*1*
Terphenyl-d14	*83*		*45 - 120*	*03/04/16 11:47*	*03/05/16 13:33*	*1*

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

Lab Sample ID: LCS 720-198111/2-A
Matrix: Water
Analysis Batch: 198159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198111

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Naphthalene			10.0	5.18		ug/L		52	19 - 120		
Acenaphthene			10.0	4.79		ug/L		48	24 - 120		
Acenaphthylene			10.0	5.13		ug/L		51	24 - 120		
Fluorene			10.0	5.26		ug/L		53	27 - 120		
Phenanthrene			10.0	6.39		ug/L		64	31 - 120		
Anthracene			10.0	6.35		ug/L		64	44 - 120		
Benzo[a]anthracene			10.0	7.44		ug/L		74	48 - 120		
Chrysene			10.0	7.45		ug/L		75	47 - 120		
Benzo[a]pyrene			10.0	7.46		ug/L		75	43 - 120		
Benzo[b]fluoranthene			10.0	6.96		ug/L		70	42 - 120		
Benzo[k]fluoranthene			10.0	7.39		ug/L		74	42 - 120		
Benzo[g,h,i]perylene			10.0	8.35		ug/L		83	35 - 120		
Indeno[1,2,3-cd]pyrene			10.0	7.80		ug/L		78	36 - 120		
Fluoranthene			10.0	6.88		ug/L		69	43 - 120		
Pyrene			10.0	6.86		ug/L		69	47 - 120		
Dibenz(a,h)anthracene			10.0	7.94		ug/L		79	33 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*52*		*29 - 120*
Terphenyl-d14	*83*		*45 - 120*

Lab Sample ID: LCSD 720-198111/3-A
Matrix: Water
Analysis Batch: 198159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198111

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene			10.0	5.72		ug/L		57	19 - 120	10	35
Acenaphthene			10.0	5.22		ug/L		52	24 - 120	9	35
Acenaphthylene			10.0	5.40		ug/L		54	24 - 120	5	35
Fluorene			10.0	5.60		ug/L		56	27 - 120	6	35
Phenanthrene			10.0	6.53		ug/L		65	31 - 120	2	35
Anthracene			10.0	6.56		ug/L		66	44 - 120	3	35
Benzo[a]anthracene			10.0	7.40		ug/L		74	48 - 120	1	35
Chrysene			10.0	7.30		ug/L		73	47 - 120	2	35
Benzo[a]pyrene			10.0	6.63		ug/L		66	43 - 120	12	35
Benzo[b]fluoranthene			10.0	6.44		ug/L		64	42 - 120	8	35
Benzo[k]fluoranthene			10.0	6.35		ug/L		63	42 - 120	15	35
Benzo[g,h,i]perylene			10.0	6.59		ug/L		66	35 - 120	24	35
Indeno[1,2,3-cd]pyrene			10.0	6.22		ug/L		62	36 - 120	23	35
Fluoranthene			10.0	7.14		ug/L		71	43 - 120	4	35
Pyrene			10.0	7.16		ug/L		72	47 - 120	4	35
Dibenz(a,h)anthracene			10.0	6.29		ug/L		63	33 - 120	23	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*29 - 120*
Terphenyl-d14	*80*		*45 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 240-220209/4
Matrix: Water
Analysis Batch: 220209

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.50		ug/L			03/04/16 14:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*110*		*66 - 132*		*03/04/16 14:51*	*1*

Lab Sample ID: LCS 240-220209/5
Matrix: Water
Analysis Batch: 220209

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	199	181		ug/L		91	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*107*		*66 - 132*

Lab Sample ID: MB 240-220395/4
Matrix: Water
Analysis Batch: 220395

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.50		ug/L			03/06/16 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*113*		*66 - 132*		*03/06/16 16:28*	*1*

Lab Sample ID: LCS 240-220395/5
Matrix: Water
Analysis Batch: 220395

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	199	186		ug/L		93	76 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*112*		*66 - 132*

Lab Sample ID: 720-70520-2 MS
Matrix: Water
Analysis Batch: 220395

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
Methane	2900		994	3700		ug/L		81	34 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*117*		*66 - 132*

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 720-70520-2 MSD
Matrix: Water
Analysis Batch: 220395

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
Methane	2900		994	3910		ug/L		103	34 - 153	6	22

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,1,1-Trifluoroethane	*103*		*66 - 132*

Lab Sample ID: MB 240-220447/4
Matrix: Water
Analysis Batch: 220447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.50		ug/L			03/07/16 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*109*		*66 - 132*		*03/07/16 12:09*	*1*

Lab Sample ID: LCS 240-220447/5
Matrix: Water
Analysis Batch: 220447

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane			199	180		ug/L		91	76 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*108*		*66 - 132*

Lab Sample ID: 720-70520-16 MS
Matrix: Water
Analysis Batch: 220447

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane	5600		1990	7650		ug/L		104	34 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*108*		*66 - 132*

Lab Sample ID: 720-70520-16 MSD
Matrix: Water
Analysis Batch: 220447

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane	5600		1990	7950		ug/L		119	34 - 153	4	22

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,1,1-Trifluoroethane	*104*		*66 - 132*

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 240-220636/4
Matrix: Water
Analysis Batch: 220636

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		0.50		ug/L			03/08/16 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1-Trifluoroethane	*111*		*66 - 132*		*03/08/16 19:28*	*1*

Lab Sample ID: LCS 240-220636/5
Matrix: Water
Analysis Batch: 220636

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane			199	154		ug/L		78	76 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1-Trifluoroethane	*110*		*66 - 132*

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

Lab Sample ID: MB 720-197874/1-A
Matrix: Water
Analysis Batch: 197860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 197874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/01/16 11:57	03/01/16 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*69*		*23 - 156*	*03/01/16 11:57*	*03/01/16 20:20*	*1*

Lab Sample ID: LCS 720-197874/2-A
Matrix: Water
Analysis Batch: 197860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 197874

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1650		ug/L		66	34 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*91*		*23 - 156*

Lab Sample ID: LCSD 720-197874/3-A
Matrix: Water
Analysis Batch: 197860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 197874

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1450		ug/L		58	34 - 115	13	35

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

Lab Sample ID: LCSD 720-197874/3-A
Matrix: Water
Analysis Batch: 197860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 197874

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*92*		*23 - 156*

Lab Sample ID: MB 720-198109/1-A
Matrix: Water
Analysis Batch: 198182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 198109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/04/16 11:31	03/07/16 19:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*103*		*23 - 156*	*03/04/16 11:31*	*03/07/16 19:06*	*1*

Lab Sample ID: LCS 720-198109/2-A
Matrix: Water
Analysis Batch: 198182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 198109

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	2430		ug/L		97	34 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*112*		*23 - 156*

Lab Sample ID: LCSD 720-198109/3-A
Matrix: Water
Analysis Batch: 198182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 198109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	2390		ug/L		96	34 - 115	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*113*		*23 - 156*

Lab Sample ID: MB 720-197917/1-A
Matrix: Water
Analysis Batch: 198012

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 197917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/01/16 21:09	03/04/16 04:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 5*	*03/01/16 21:09*	*03/04/16 04:26*	*1*
p-Terphenyl	*74*		*31 - 150*	*03/01/16 21:09*	*03/04/16 04:26*	*1*

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

Lab Sample ID: LCS 720-197917/2-A
Matrix: Water
Analysis Batch: 198012

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 197917

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1910		ug/L		77	32 - 119		

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

Lab Sample ID: LCSD 720-197917/3-A
Matrix: Water
Analysis Batch: 198012

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 197917

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1550		ug/L		62	32 - 119	21	35

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

Lab Sample ID: MB 720-198110/1-A
Matrix: Water
Analysis Batch: 198182

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 198110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		03/04/16 11:39	03/07/16 11:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.008*		*0 - 5*	*03/04/16 11:39*	*03/07/16 11:19*	*1*
p-Terphenyl	*80*		*31 - 150*	*03/04/16 11:39*	*03/07/16 11:19*	*1*

Lab Sample ID: LCS 720-198110/2-A
Matrix: Water
Analysis Batch: 198156

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 198110

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1530		ug/L		61	32 - 119		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*96*		*31 - 150*

Lab Sample ID: LCSD 720-198110/3-A
Matrix: Water
Analysis Batch: 198156

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 198110

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1270		ug/L		51	32 - 119	19	35

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

Lab Sample ID: LCSD 720-198110/3-A
Matrix: Water
Analysis Batch: 198156

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 198110

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*89*		*31 - 150*

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

Lab Sample ID: MB 500-325110/1
Matrix: Water
Analysis Batch: 325110

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			03/01/16 22:31	1

Lab Sample ID: LCS 500-325110/2
Matrix: Water
Analysis Batch: 325110

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	262		mg/L		105	80 - 120		

Lab Sample ID: MB 500-325111/1
Matrix: Water
Analysis Batch: 325111

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			03/02/16 00:43	1

Lab Sample ID: LCS 500-325111/2
Matrix: Water
Analysis Batch: 325111

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	300		mg/L		120	80 - 120		

Lab Sample ID: 720-70520-9 MS
Matrix: Water
Analysis Batch: 325111

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids	710		250	986		mg/L		110	75 - 125		

Lab Sample ID: 720-70520-9 DU
Matrix: Water
Analysis Batch: 325111

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	710			718		mg/L				0.8	5

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

Lab Sample ID: 720-70520-10 DU
Matrix: Water
Analysis Batch: 325111

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1270		mg/L				2	5

Lab Sample ID: MB 500-325294/1
Matrix: Water
Analysis Batch: 325294

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			03/03/16 00:05	1

Lab Sample ID: LCS 500-325294/2
Matrix: Water
Analysis Batch: 325294

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	248		mg/L		99	80 - 120		

GC/MS VOA

Analysis Batch: 197855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-1 MS	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-1 MSD	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-2	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-3	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-4	MW-8	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-5	MW-9	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-6	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-7	MW-11	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-8	MW-13	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-9	MW-14	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197855/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197855/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197855/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197855/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-197855/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 197858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-12	MW-17	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-13	MW-18	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-13 MS	MW-18	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-13 MSD	MW-18	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-14	MW-19	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-15	MW-20	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-16	MW-21	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-17	MW-22	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197858/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197858/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197858/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 197858 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-197858/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-197858/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 197896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-10	MW-15	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-11	MW-16	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-18	MW-23	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-20	MW-26	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-20 MS	MW-26	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-20 MSD	MW-26	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-21	MW-27	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-22	MW-28	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-23	MW-29	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-24	IW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-25	IW-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197896/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197896/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197896/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197896/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-197896/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 197919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-19	MW-25	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-A-26 MS	720-70520-A-26 MS	Total/NA	Water	8260B/CA_LUFT MS	
720-70520-A-26 MSD	720-70520-A-26 MSD	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197919/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-197919/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197919/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-197919/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS VOA (Continued)

Analysis Batch: 197919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-197919/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 198063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-26	IW-6	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-198063/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-198063/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-198063/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-198063/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-198063/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 197943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	3510C	
720-70520-2	MW-3	Total/NA	Water	3510C	
720-70520-3	MW-4	Total/NA	Water	3510C	
720-70520-4	MW-8	Total/NA	Water	3510C	
720-70520-5	MW-9	Total/NA	Water	3510C	
720-70520-6	MW-10	Total/NA	Water	3510C	
720-70520-7	MW-11	Total/NA	Water	3510C	
720-70520-8	MW-13	Total/NA	Water	3510C	
720-70520-9	MW-14	Total/NA	Water	3510C	
720-70520-10	MW-15	Total/NA	Water	3510C	
720-70520-11	MW-16	Total/NA	Water	3510C	
720-70520-12	MW-17	Total/NA	Water	3510C	
720-70520-13	MW-18	Total/NA	Water	3510C	
720-70520-14	MW-19	Total/NA	Water	3510C	
720-70520-15	MW-20	Total/NA	Water	3510C	
720-70520-16	MW-21	Total/NA	Water	3510C	
720-70520-17	MW-22	Total/NA	Water	3510C	
720-70520-18	MW-23	Total/NA	Water	3510C	
720-70520-19	MW-25	Total/NA	Water	3510C	
720-70520-20	MW-26	Total/NA	Water	3510C	
LCS 720-197943/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-197943/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-197943/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 197985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	8270C SIM	197943
720-70520-2	MW-3	Total/NA	Water	8270C SIM	197943
720-70520-3	MW-4	Total/NA	Water	8270C SIM	197943
720-70520-4	MW-8	Total/NA	Water	8270C SIM	197943

GC/MS Semi VOA (Continued)

Analysis Batch: 197985 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-5	MW-9	Total/NA	Water	8270C SIM	197943
720-70520-6	MW-10	Total/NA	Water	8270C SIM	197943
720-70520-7	MW-11	Total/NA	Water	8270C SIM	197943
720-70520-8	MW-13	Total/NA	Water	8270C SIM	197943
720-70520-9	MW-14	Total/NA	Water	8270C SIM	197943
720-70520-10	MW-15	Total/NA	Water	8270C SIM	197943
720-70520-11	MW-16	Total/NA	Water	8270C SIM	197943
720-70520-12	MW-17	Total/NA	Water	8270C SIM	197943
720-70520-13	MW-18	Total/NA	Water	8270C SIM	197943
720-70520-14	MW-19	Total/NA	Water	8270C SIM	197943
720-70520-15	MW-20	Total/NA	Water	8270C SIM	197943
720-70520-16	MW-21	Total/NA	Water	8270C SIM	197943
720-70520-17	MW-22	Total/NA	Water	8270C SIM	197943
720-70520-18	MW-23	Total/NA	Water	8270C SIM	197943
720-70520-19	MW-25	Total/NA	Water	8270C SIM	197943
720-70520-20	MW-26	Total/NA	Water	8270C SIM	197943
LCS 720-197943/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	197943
LCSD 720-197943/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	197943
MB 720-197943/1-A	Method Blank	Total/NA	Water	8270C SIM	197943

Prep Batch: 198111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-21	MW-27	Total/NA	Water	3510C	
720-70520-22	MW-28	Total/NA	Water	3510C	
720-70520-23	MW-29	Total/NA	Water	3510C	
720-70520-24	IW-3	Total/NA	Water	3510C	
720-70520-25	IW-5	Total/NA	Water	3510C	
720-70520-26	IW-6	Total/NA	Water	3510C	
LCS 720-198111/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-198111/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-198111/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 198159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-19	MW-25	Total/NA	Water	8270C SIM	197943
720-70520-21	MW-27	Total/NA	Water	8270C SIM	198111
720-70520-22	MW-28	Total/NA	Water	8270C SIM	198111
720-70520-23	MW-29	Total/NA	Water	8270C SIM	198111
720-70520-24	IW-3	Total/NA	Water	8270C SIM	198111
720-70520-25	IW-5	Total/NA	Water	8270C SIM	198111
720-70520-26	IW-6	Total/NA	Water	8270C SIM	198111
LCS 720-198111/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	198111
LCSD 720-198111/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	198111
MB 720-198111/1-A	Method Blank	Total/NA	Water	8270C SIM	198111

GC VOA

Analysis Batch: 220209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	RSK-175	

GC VOA (Continued)

Analysis Batch: 220209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-4	MW-8	Total/NA	Water	RSK-175	
720-70520-9	MW-14	Total/NA	Water	RSK-175	
LCS 240-220209/5	Lab Control Sample	Total/NA	Water	RSK-175	
MB 240-220209/4	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 220395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-2	MW-3	Total/NA	Water	RSK-175	
720-70520-2 MS	MW-3	Total/NA	Water	RSK-175	
720-70520-2 MSD	MW-3	Total/NA	Water	RSK-175	
720-70520-3	MW-4	Total/NA	Water	RSK-175	
720-70520-5	MW-9	Total/NA	Water	RSK-175	
720-70520-6	MW-10	Total/NA	Water	RSK-175	
720-70520-7	MW-11	Total/NA	Water	RSK-175	
720-70520-8	MW-13	Total/NA	Water	RSK-175	
720-70520-10	MW-15	Total/NA	Water	RSK-175	
720-70520-11	MW-16	Total/NA	Water	RSK-175	
720-70520-12	MW-17	Total/NA	Water	RSK-175	
720-70520-13	MW-18	Total/NA	Water	RSK-175	
720-70520-14	MW-19	Total/NA	Water	RSK-175	
720-70520-15	MW-20	Total/NA	Water	RSK-175	
720-70520-21	MW-27	Total/NA	Water	RSK-175	
LCS 240-220395/5	Lab Control Sample	Total/NA	Water	RSK-175	
MB 240-220395/4	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 220447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-16	MW-21	Total/NA	Water	RSK-175	
720-70520-16 MS	MW-21	Total/NA	Water	RSK-175	
720-70520-16 MSD	MW-21	Total/NA	Water	RSK-175	
720-70520-17	MW-22	Total/NA	Water	RSK-175	
720-70520-18	MW-23	Total/NA	Water	RSK-175	
720-70520-19	MW-25	Total/NA	Water	RSK-175	
720-70520-20	MW-26	Total/NA	Water	RSK-175	
720-70520-23	MW-29	Total/NA	Water	RSK-175	
720-70520-24	IW-3	Total/NA	Water	RSK-175	
720-70520-25	IW-5	Total/NA	Water	RSK-175	
720-70520-26	IW-6	Total/NA	Water	RSK-175	
LCS 240-220447/5	Lab Control Sample	Total/NA	Water	RSK-175	
MB 240-220447/4	Method Blank	Total/NA	Water	RSK-175	

Analysis Batch: 220636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-22	MW-28	Total/NA	Water	RSK-175	
LCS 240-220636/5	Lab Control Sample	Total/NA	Water	RSK-175	
MB 240-220636/4	Method Blank	Total/NA	Water	RSK-175	

GC Semi VOA

Analysis Batch: 197860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-197874/2-A	Lab Control Sample	Total/NA	Water	8015B	197874
LCSD 720-197874/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	197874
MB 720-197874/1-A	Method Blank	Total/NA	Water	8015B	197874

Prep Batch: 197874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	3510C	
720-70520-2	MW-3	Total/NA	Water	3510C	
720-70520-3	MW-4	Total/NA	Water	3510C	
720-70520-4	MW-8	Total/NA	Water	3510C	
720-70520-5	MW-9	Total/NA	Water	3510C	
720-70520-6	MW-10	Total/NA	Water	3510C	
720-70520-7	MW-11	Total/NA	Water	3510C	
720-70520-8	MW-13	Total/NA	Water	3510C	
720-70520-9	MW-14	Total/NA	Water	3510C	
720-70520-10	MW-15	Total/NA	Water	3510C	
LCS 720-197874/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-197874/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-197874/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 197917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Silica Gel Cleanup	Water	3510C SGC	
720-70520-2	MW-3	Silica Gel Cleanup	Water	3510C SGC	
720-70520-3	MW-4	Silica Gel Cleanup	Water	3510C SGC	
720-70520-4	MW-8	Silica Gel Cleanup	Water	3510C SGC	
720-70520-5	MW-9	Silica Gel Cleanup	Water	3510C SGC	
720-70520-6	MW-10	Silica Gel Cleanup	Water	3510C SGC	
720-70520-7	MW-11	Silica Gel Cleanup	Water	3510C SGC	
720-70520-8	MW-13	Silica Gel Cleanup	Water	3510C SGC	
720-70520-9	MW-14	Silica Gel Cleanup	Water	3510C SGC	
720-70520-10	MW-15	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-197917/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-197917/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-197917/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 197923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-4	MW-8	Total/NA	Water	8015B	197874
720-70520-5	MW-9	Total/NA	Water	8015B	197874
720-70520-6	MW-10	Total/NA	Water	8015B	197874
720-70520-7	MW-11	Total/NA	Water	8015B	197874
720-70520-8	MW-13	Total/NA	Water	8015B	197874
720-70520-9	MW-14	Total/NA	Water	8015B	197874
720-70520-10	MW-15	Total/NA	Water	8015B	197874

Analysis Batch: 197924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	8015B	197874
720-70520-2	MW-3	Total/NA	Water	8015B	197874
720-70520-3	MW-4	Total/NA	Water	8015B	197874

QC Association Summary

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

TestAmerica Job ID: 720-70520-1

Analysis Batch: 198012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-197917/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	197917
LCSD 720-197917/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	197917
MB 720-197917/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	197917

Analysis Batch: 198013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Silica Gel Cleanup	Water	8015B	197917
720-70520-4	MW-8	Silica Gel Cleanup	Water	8015B	197917
720-70520-5	MW-9	Silica Gel Cleanup	Water	8015B	197917
720-70520-6	MW-10	Silica Gel Cleanup	Water	8015B	197917
720-70520-7	MW-11	Silica Gel Cleanup	Water	8015B	197917
720-70520-8	MW-13	Silica Gel Cleanup	Water	8015B	197917
720-70520-9	MW-14	Silica Gel Cleanup	Water	8015B	197917
720-70520-10	MW-15	Silica Gel Cleanup	Water	8015B	197917

Analysis Batch: 198088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-2	MW-3	Silica Gel Cleanup	Water	8015B	197917
720-70520-3	MW-4	Silica Gel Cleanup	Water	8015B	197917

Prep Batch: 198109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-11	MW-16	Total/NA	Water	3510C	
720-70520-12	MW-17	Total/NA	Water	3510C	
720-70520-13	MW-18	Total/NA	Water	3510C	
720-70520-14	MW-19	Total/NA	Water	3510C	
720-70520-15	MW-20	Total/NA	Water	3510C	
720-70520-16	MW-21	Total/NA	Water	3510C	
720-70520-17	MW-22	Total/NA	Water	3510C	
720-70520-18	MW-23	Total/NA	Water	3510C	
720-70520-19	MW-25	Total/NA	Water	3510C	
720-70520-20	MW-26	Total/NA	Water	3510C	
720-70520-21	MW-27	Total/NA	Water	3510C	
720-70520-22	MW-28	Total/NA	Water	3510C	
720-70520-23	MW-29	Total/NA	Water	3510C	
720-70520-24	IW-3	Total/NA	Water	3510C	
720-70520-25	IW-5	Total/NA	Water	3510C	
720-70520-26	IW-6	Total/NA	Water	3510C	
LCS 720-198109/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-198109/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-198109/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 198110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-11	MW-16	Silica Gel Cleanup	Water	3510C SGC	
720-70520-12	MW-17	Silica Gel Cleanup	Water	3510C SGC	
720-70520-13	MW-18	Silica Gel Cleanup	Water	3510C SGC	
720-70520-14	MW-19	Silica Gel Cleanup	Water	3510C SGC	
720-70520-15	MW-20	Silica Gel Cleanup	Water	3510C SGC	
720-70520-16	MW-21	Silica Gel Cleanup	Water	3510C SGC	
720-70520-17	MW-22	Silica Gel Cleanup	Water	3510C SGC	
720-70520-18	MW-23	Silica Gel Cleanup	Water	3510C SGC	
720-70520-19	MW-25	Silica Gel Cleanup	Water	3510C SGC	

GC Semi VOA (Continued)

Prep Batch: 198110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-20	MW-26	Silica Gel Cleanup	Water	3510C SGC	
720-70520-21	MW-27	Silica Gel Cleanup	Water	3510C SGC	
720-70520-22	MW-28	Silica Gel Cleanup	Water	3510C SGC	
720-70520-23	MW-29	Silica Gel Cleanup	Water	3510C SGC	
720-70520-24	IW-3	Silica Gel Cleanup	Water	3510C SGC	
720-70520-25	IW-5	Silica Gel Cleanup	Water	3510C SGC	
720-70520-26	IW-6	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-198110/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-198110/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	
MB 720-198110/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 198156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-15	MW-20	Silica Gel Cleanup	Water	8015B	198110
720-70520-16	MW-21	Silica Gel Cleanup	Water	8015B	198110
720-70520-17	MW-22	Silica Gel Cleanup	Water	8015B	198110
720-70520-18	MW-23	Silica Gel Cleanup	Water	8015B	198110
720-70520-20	MW-26	Silica Gel Cleanup	Water	8015B	198110
LCS 720-198110/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	198110
LCSD 720-198110/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	198110

Analysis Batch: 198179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-11	MW-16	Silica Gel Cleanup	Water	8015B	198110
720-70520-12	MW-17	Silica Gel Cleanup	Water	8015B	198110
720-70520-13	MW-18	Silica Gel Cleanup	Water	8015B	198110
720-70520-14	MW-19	Silica Gel Cleanup	Water	8015B	198110
720-70520-22	MW-28	Silica Gel Cleanup	Water	8015B	198110
720-70520-24	IW-3	Silica Gel Cleanup	Water	8015B	198110

Analysis Batch: 198181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-15	MW-20	Total/NA	Water	8015B	198109
720-70520-16	MW-21	Total/NA	Water	8015B	198109
720-70520-19	MW-25	Silica Gel Cleanup	Water	8015B	198110
720-70520-19	MW-25	Total/NA	Water	8015B	198109
720-70520-20	MW-26	Total/NA	Water	8015B	198109
720-70520-21	MW-27	Total/NA	Water	8015B	198109
720-70520-22	MW-28	Total/NA	Water	8015B	198109
720-70520-23	MW-29	Total/NA	Water	8015B	198109
720-70520-24	IW-3	Total/NA	Water	8015B	198109
720-70520-25	IW-5	Silica Gel Cleanup	Water	8015B	198110
720-70520-25	IW-5	Total/NA	Water	8015B	198109
720-70520-26	IW-6	Silica Gel Cleanup	Water	8015B	198110

Analysis Batch: 198182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-11	MW-16	Total/NA	Water	8015B	198109
720-70520-12	MW-17	Total/NA	Water	8015B	198109
720-70520-21	MW-27	Silica Gel Cleanup	Water	8015B	198110
720-70520-23	MW-29	Silica Gel Cleanup	Water	8015B	198110

GC Semi VOA (Continued)

Analysis Batch: 198182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-198109/2-A	Lab Control Sample	Total/NA	Water	8015B	198109
LCSD 720-198109/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	198109
MB 720-198109/1-A	Method Blank	Total/NA	Water	8015B	198109
MB 720-198110/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	198110

Analysis Batch: 198249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-13	MW-18	Total/NA	Water	8015B	198109
720-70520-14	MW-19	Total/NA	Water	8015B	198109
720-70520-17	MW-22	Total/NA	Water	8015B	198109
720-70520-18	MW-23	Total/NA	Water	8015B	198109
720-70520-26	IW-6	Total/NA	Water	8015B	198109

General Chemistry

Analysis Batch: 325110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-1	MW-2	Total/NA	Water	SM 2540C	
720-70520-2	MW-3	Total/NA	Water	SM 2540C	
720-70520-3	MW-4	Total/NA	Water	SM 2540C	
720-70520-4	MW-8	Total/NA	Water	SM 2540C	
720-70520-5	MW-9	Total/NA	Water	SM 2540C	
720-70520-6	MW-10	Total/NA	Water	SM 2540C	
720-70520-7	MW-11	Total/NA	Water	SM 2540C	
720-70520-8	MW-13	Total/NA	Water	SM 2540C	
LCS 500-325110/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-325110/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 325111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-9	MW-14	Total/NA	Water	SM 2540C	
720-70520-9 DU	MW-14	Total/NA	Water	SM 2540C	
720-70520-9 MS	MW-14	Total/NA	Water	SM 2540C	
720-70520-10	MW-15	Total/NA	Water	SM 2540C	
720-70520-10 DU	MW-15	Total/NA	Water	SM 2540C	
720-70520-11	MW-16	Total/NA	Water	SM 2540C	
720-70520-12	MW-17	Total/NA	Water	SM 2540C	
720-70520-13	MW-18	Total/NA	Water	SM 2540C	
720-70520-14	MW-19	Total/NA	Water	SM 2540C	
720-70520-15	MW-20	Total/NA	Water	SM 2540C	
720-70520-16	MW-21	Total/NA	Water	SM 2540C	
720-70520-17	MW-22	Total/NA	Water	SM 2540C	
720-70520-18	MW-23	Total/NA	Water	SM 2540C	
720-70520-19	MW-25	Total/NA	Water	SM 2540C	
720-70520-20	MW-26	Total/NA	Water	SM 2540C	
720-70520-21	MW-27	Total/NA	Water	SM 2540C	
720-70520-22	MW-28	Total/NA	Water	SM 2540C	
720-70520-23	MW-29	Total/NA	Water	SM 2540C	
720-70520-24	IW-3	Total/NA	Water	SM 2540C	
720-70520-25	IW-5	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 325111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-325111/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-325111/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 325294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-70520-26	IW-6	Total/NA	Water	SM 2540C	
LCS 500-325294/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-325294/1	Method Blank	Total/NA	Water	SM 2540C	

Lab Chronicle

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-2

Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 12:54	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 20:50	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	220209	03/04/16 17:25	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		3	198013	03/04/16 03:13	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		5	197924	03/02/16 16:07	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:28	CLB	TAL CHI

Client Sample ID: MW-3

Date Collected: 02/26/16 11:45
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 14:18	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 21:14	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 17:02	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198088	03/04/16 10:20	JXL	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		5	197924	03/02/16 15:09	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:31	CLB	TAL CHI

Client Sample ID: MW-4

Date Collected: 02/26/16 10:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 14:47	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 21:37	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 17:54	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198088	03/04/16 10:50	JXL	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		3	197924	03/02/16 15:38	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:35	CLB	TAL CHI

Client Sample ID: MW-8

Lab Sample ID: 720-70520-4

Date Collected: 02/26/16 13:20

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 15:15	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 22:01	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	220209	03/04/16 18:34	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/03/16 23:56	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 13:04	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:39	CLB	TAL CHI

Client Sample ID: MW-9

Lab Sample ID: 720-70520-5

Date Collected: 02/26/16 13:45

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 15:43	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 22:24	MQL	TAL PLS
Total/NA	Analysis	RSK-175		2	220395	03/06/16 18:11	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 00:21	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 12:06	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:42	CLB	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 720-70520-6

Date Collected: 02/26/16 11:40

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 16:11	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 22:48	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 18:28	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 00:45	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 12:35	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:46	CLB	TAL CHI

Client Sample ID: MW-11

Lab Sample ID: 720-70520-7

Date Collected: 02/26/16 12:25

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 16:39	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 23:12	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 18:45	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 01:10	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 15:38	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:49	CLB	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 720-70520-8

Date Collected: 02/26/16 13:20

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 17:07	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 23:35	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 19:02	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 01:34	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 13:33	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325110	03/01/16 23:53	CLB	TAL CHI

Client Sample ID: MW-14

Lab Sample ID: 720-70520-9

Date Collected: 02/26/16 13:45

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197855	03/01/16 17:35	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/02/16 23:59	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	220209	03/04/16 20:00	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 01:59	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 14:03	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 00:49	CLB	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-15

Date Collected: 02/26/16 15:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 00:31	LPL	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 00:22	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 19:37	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			197917	03/01/16 21:09	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198013	03/04/16 02:23	DCH	TAL PLS
Total/NA	Prep	3510C			197874	03/01/16 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	197923	03/02/16 15:09	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 00:58	CLB	TAL CHI

Client Sample ID: MW-16

Date Collected: 02/26/16 15:10
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 00:59	LPL	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 00:46	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 19:54	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 15:27	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198182	03/07/16 17:27	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:05	CLB	TAL CHI

Client Sample ID: MW-17

Date Collected: 02/26/16 12:05
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 11:15	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 01:10	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 20:11	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 15:56	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198182	03/07/16 17:52	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:08	CLB	TAL CHI

Client Sample ID: MW-18

Lab Sample ID: 720-70520-13

Date Collected: 02/26/16 14:15

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 12:38	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 04:18	MQL	TAL PLS
Total/NA	Analysis	RSK-175		2	220395	03/06/16 20:28	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 16:25	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		5	198249	03/08/16 13:36	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:11	CLB	TAL CHI

Client Sample ID: MW-19

Lab Sample ID: 720-70520-14

Date Collected: 02/26/16 14:27

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 14:29	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 01:33	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 20:45	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 16:55	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198249	03/08/16 11:09	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:14	CLB	TAL CHI

Client Sample ID: MW-20

Lab Sample ID: 720-70520-15

Date Collected: 02/26/16 14:15

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 14:57	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 01:57	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220395	03/06/16 21:02	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198156	03/05/16 19:35	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 19:06	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:17	CLB	TAL CHI

Client Sample ID: MW-21

Lab Sample ID: 720-70520-16

Date Collected: 02/26/16 10:50

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 15:24	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 02:20	MQL	TAL PLS
Total/NA	Analysis	RSK-175		10	220447	03/07/16 12:43	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198156	03/05/16 20:04	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		3	198181	03/07/16 19:30	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:21	CLB	TAL CHI

Client Sample ID: MW-22

Lab Sample ID: 720-70520-17

Date Collected: 02/26/16 10:15

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197858	03/01/16 15:52	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 03:55	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 13:35	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		10	198156	03/05/16 20:33	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		20	198249	03/08/16 11:34	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:24	CLB	TAL CHI

Client Sample ID: MW-23

Lab Sample ID: 720-70520-18

Date Collected: 02/26/16 15:16

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 01:26	LPL	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 03:31	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 13:52	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198156	03/05/16 21:02	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		5	198249	03/08/16 11:58	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:27	CLB	TAL CHI

Client Sample ID: MW-25

Date Collected: 02/26/16 12:30
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		5	197919	03/02/16 12:00	PRD	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 02:44	MQL	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		10	198159	03/05/16 13:56	MQL	TAL PLS
Total/NA	Analysis	RSK-175		2	220447	03/07/16 14:09	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198181	03/07/16 17:03	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 20:45	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:30	CLB	TAL CHI

Client Sample ID: MW-26

Date Collected: 02/26/16 14:35
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 03:17	LPL	TAL PLS
Total/NA	Prep	3510C			197943	03/02/16 11:01	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	197985	03/03/16 03:07	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 14:26	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198156	03/06/16 00:27	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 21:09	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:33	CLB	TAL CHI

Client Sample ID: MW-27

Date Collected: 02/26/16 14:20
Date Received: 02/29/16 11:50

Lab Sample ID: 720-70520-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 03:44	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 14:44	MQL	TAL PLS
Total/NA	Analysis	RSK-175		1	220395	03/06/16 23:02	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198182	03/07/16 11:43	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 21:34	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:36	CLB	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: MW-28

Lab Sample ID: 720-70520-22

Date Collected: 02/26/16 14:40

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 04:12	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 15:07	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220636	03/08/16 20:19	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 17:24	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 21:58	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:40	CLB	TAL CHI

Client Sample ID: MW-29

Lab Sample ID: 720-70520-23

Date Collected: 02/26/16 11:50

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 04:39	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 15:31	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 15:18	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198182	03/07/16 17:03	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 22:23	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:43	CLB	TAL CHI

Client Sample ID: IW-3

Lab Sample ID: 720-70520-24

Date Collected: 02/26/16 13:08

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 05:07	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 15:55	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 15:35	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198179	03/07/16 17:53	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		1	198181	03/07/16 22:47	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:46	CLB	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 720-70520-1

Client Sample ID: IW-5

Lab Sample ID: 720-70520-25

Date Collected: 02/26/16 10:30

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	197896	03/02/16 05:34	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 16:18	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 15:52	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	198181	03/07/16 17:52	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		10	198181	03/07/16 23:36	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325111	03/02/16 01:49	CLB	TAL CHI

Client Sample ID: IW-6

Lab Sample ID: 720-70520-26

Date Collected: 02/26/16 12:25

Matrix: Water

Date Received: 02/29/16 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	198063	03/04/16 02:38	LPL	TAL PLS
Total/NA	Prep	3510C			198111	03/04/16 11:47	BSY	TAL PLS
Total/NA	Analysis	8270C SIM		1	198159	03/05/16 16:42	MQL	TAL PLS
Total/NA	Analysis	RSK-175		5	220447	03/07/16 16:10	BPM	TAL CAN
Silica Gel Cleanup	Prep	3510C SGC			198110	03/04/16 11:39	BSY	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	198181	03/07/16 17:27	JXL	TAL PLS
Total/NA	Prep	3510C			198109	03/04/16 11:31	BSY	TAL PLS
Total/NA	Analysis	8015B		3	198249	03/08/16 12:23	JXL	TAL PLS
Total/NA	Analysis	SM 2540C		1	325294	03/03/16 00:21	CLB	TAL CHI

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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

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: 720-70520-1

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	01-31-17

Laboratory: TestAmerica Canton

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	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-17
Connecticut	State Program	1	PH-0590	12-31-17
Illinois	NELAP	5	200004	07-31-16
Kansas	NELAP	7	E-10336	01-31-16 *
Kentucky (UST)	State Program	4	58	02-23-17
Kentucky (WW)	State Program	4	98016	12-31-16
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-16
Nevada	State Program	9	OH-000482008A	07-31-16
New Jersey	NELAP	2	OH001	06-30-16 *
New York	NELAP	2	10975	03-31-16 *
Ohio VAP	State Program	5	CL0024	09-14-17
Oregon	NELAP	10	4062	02-23-17
Pennsylvania	NELAP	3	68-00340	08-31-16
Texas	NELAP	6	T104704517-15-5	08-31-16
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-16
Washington	State Program	10	C971	01-12-17
West Virginia DEP	State Program	3	210	12-31-16
Wisconsin	State Program	5	999518190	08-31-16

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

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Chicago (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Wisconsin	State Program	5	999580010	08-31-16
Wyoming	State Program	8	8TMS-Q	04-30-16

Method Summary

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

TestAmerica Job ID: 720-70520-1

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 CAN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI

Protocol References:

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 CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396
TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200
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: 720-70520-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-70520-1	MW-2	Water	02/26/16 12:30	02/29/16 11:50
720-70520-2	MW-3	Water	02/26/16 11:45	02/29/16 11:50
720-70520-3	MW-4	Water	02/26/16 10:30	02/29/16 11:50
720-70520-4	MW-8	Water	02/26/16 13:20	02/29/16 11:50
720-70520-5	MW-9	Water	02/26/16 13:45	02/29/16 11:50
720-70520-6	MW-10	Water	02/26/16 11:40	02/29/16 11:50
720-70520-7	MW-11	Water	02/26/16 12:25	02/29/16 11:50
720-70520-8	MW-13	Water	02/26/16 13:20	02/29/16 11:50
720-70520-9	MW-14	Water	02/26/16 13:45	02/29/16 11:50
720-70520-10	MW-15	Water	02/26/16 15:05	02/29/16 11:50
720-70520-11	MW-16	Water	02/26/16 15:10	02/29/16 11:50
720-70520-12	MW-17	Water	02/26/16 12:05	02/29/16 11:50
720-70520-13	MW-18	Water	02/26/16 14:15	02/29/16 11:50
720-70520-14	MW-19	Water	02/26/16 14:27	02/29/16 11:50
720-70520-15	MW-20	Water	02/26/16 14:15	02/29/16 11:50
720-70520-16	MW-21	Water	02/26/16 10:50	02/29/16 11:50
720-70520-17	MW-22	Water	02/26/16 10:15	02/29/16 11:50
720-70520-18	MW-23	Water	02/26/16 15:16	02/29/16 11:50
720-70520-19	MW-25	Water	02/26/16 12:30	02/29/16 11:50
720-70520-20	MW-26	Water	02/26/16 14:35	02/29/16 11:50
720-70520-21	MW-27	Water	02/26/16 14:20	02/29/16 11:50
720-70520-22	MW-28	Water	02/26/16 14:40	02/29/16 11:50
720-70520-23	MW-29	Water	02/26/16 11:50	02/29/16 11:50
720-70520-24	IW-3	Water	02/26/16 13:08	02/29/16 11:50
720-70520-25	IW-5	Water	02/26/16 10:30	02/29/16 11:50
720-70520-26	IW-6	Water	02/26/16 12:25	02/29/16 11:50

lab# 1606703 of 3

720-70520

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 160226-ND1

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		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naththalene (8270)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-2	2/26/16	1230	W	12	mixed		X	X	X	X	X				
MW-3		1145	W	12			X	X	X	X	X				
MW-4		1030	W	12			X	X	X	X	X				
MW-8		1320	W	12			X	X	X	X	X				
MW-9		1345	W	9			X	X	X	X	X	Limited bottle set filled			
MW-10		1140	W	12			X	X	X	X	X				
MW-11		1225	W	12			X	X	X	X	X				
MW-13		1320	W	12			X	X	X	X	X				
MW-14		1345	W	12			X	X	X	X	X				
MW-15	↓	1505	W	12	↓		X	X	X	X	X				

720-70520 Chain of Custody

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	2/26/16	1510	N. Drachenberg, A. Carlino, K. Kubota, E. Tanner	Standard TAT

		DATE	TIME			DATE	TIME
RELEASED BY		2/26/16	1600	RECEIVED BY	(sample custody)	2/26/16	1600
RELEASED BY	(Sample Custody)	2/29/16	1020	RECEIVED BY		2/29/16	1020
RELEASED BY		2/29/16	11:50	RECEIVED BY		2-29-16	1150
SHIPPED VIA		DATE SENT	TIME SENT	COOLER #			

1.4, 1.6, 1.1, .8, 1.1, 1.0, .8, 1.2, 2.0 °C

3/9/2016

120-70520

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 160226-ND1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

CONDUCT ANALYSIS TO DETECT

LAB: TA - SF DHS #

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

SPECIAL INSTRUCTIONS

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

Low Detection levels requested

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naththalene (8270)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-16	2/26/16	1510	W	12	mixed		X	X	X	X	X							
MW-17		1205	W	12			X	X	X	X	X							
MW-18		1415	W	12			X	X	X	X	X							
MW-19		1427	W	12			X	X	X	X	X							
MW-20		1415	W	12			X	X	X	X	X							
MW-21		1050	W	12			X	X	X	X	X							
MW-22		1015	W	12			X	X	X	X	X							
MW-23		1516	W	12			X	X	X	X	X							
MW-25		1230	W	12			X	X	X	X	X							
MW-26		1435	W	12			X	X	X	X	X							

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	2/26/16	1510	N. Drachenberg, A. Carlino, K. Kubota E. Tanner	Standard TAT

		DATE	TIME			DATE	TIME
RELEASED BY		2/26/16	1600	RECEIVED BY	(sample custodian)	2/26/16	1600
RELEASED BY	(Sample Custodian)	2/29/16	0820	RECEIVED BY		2/29/16	1020
RELEASED BY		2/29/16	11:50	RECEIVED BY		2-29-16	1050

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

3/9/2016

720-70520

BLAINE
TECH SERVICES, INC

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

CHAIN OF CUSTODY BTS # 160226-ND1

CLIENT: ARCADIS U.S., Inc.

SITE: UPS
8400 Pardee Drive
Oakland, CA

CONDUCT ANALYSIS TO DETECT | LAB: TA - SF | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ 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		C = COMPOSITE ALL CONTAINERS	TPH-Gro, BTEX, MTBE, Naphthalene (8260)	DRO with and without SGC (8015M)	Dissolved Methane (RSK-175)	TDS (SM2540)	PAH's, Naphthalene (8270)				ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-27	2/26/16	1420	W	12	mixed		X	X	X	X	X							
MW-28		1440	W	12			X	X	X	X	X							
MW-29		1150	W	12			X	X	X	X	X							
IW-3		1308	W	12			X	X	X	X	X							
IW-5		1030	W	12			X	X	X	X	X							
IW-6	↓	1225	W	12	↓		X	X	X	X	X							

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	2/26/16	1510	N. Drachenberg, A. Carlino, K. Kubota, C. Tanner	Standard TAT (sample custodian)

RELEASED BY		DATE 2/26/16	TIME 1600	RECEIVED BY		DATE 2/26/16	TIME 1606
RELEASED BY (Sample Custodian)		DATE 2/29/16	TIME 1020	RECEIVED BY		DATE 2/29/16	TIME 1020
RELEASED BY		DATE 2/29/16	TIME 11:50	RECEIVED BY		DATE 2-29-16	TIME 11:50
SHIPPED VIA		DATE SENT	TIME SENT	COOLER #			

3/9/2016

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

1.8|C1.3

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27830.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.				Job #: 720-70520-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 3/4/2016			
City: North Canton	TAT Requested (days):			
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

RSK

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ (MOD) MEE Only	Total Number of containers
		Preservation Code:						
MW-2 (720-70520-1)	2/26/16	12:30 Pacific		Water			X	3
MW-3 (720-70520-2)	2/26/16	11:45 Pacific		Water			X	3
MW-4 (720-70520-3)	2/26/16	10:30 Pacific		Water			X	3
MW-8 (720-70520-4)	2/26/16	13:20 Pacific		Water			X	3
MW-9 (720-70520-5)	2/26/16	13:45 Pacific		Water			X	3
MW-10 (720-70520-6)	2/26/16	11:40 Pacific		Water			X	3
MW-11 (720-70520-7)	2/26/16	12:25 Pacific		Water			X	3
MW-13 (720-70520-8)	2/26/16	13:20 Pacific		Water			X	3
MW-14 (720-70520-9)	2/26/16	13:45 Pacific		Water			X	3
MW-15 (720-70520-10)	2/26/16	15:05 Pacific		Water			X	3
MW-16 (720-70520-11)	2/26/16	15:10 Pacific		Water			X	3

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/29/16 1415	Company TA	Received by: Date/Time: 3-1-16 940 Company TA
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

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

3/9/2016

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

3/9/2016

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27830.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-70520-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 3/4/2016			Preservation Codes:
City: North Canton	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			RSK

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ (MOD) MEE Only	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-17 (720-70520-12)	2/26/16	12:05 Pacific		Water			X	3	
MW-18 (720-70520-13)	2/26/16	14:15 Pacific		Water			X	3	
MW-19 (720-70520-14)	2/26/16	14:27 Pacific		Water			X	3	
MW-20 (720-70520-15)	2/26/16	14:15 Pacific		Water			X	3	
MW-21 (720-70520-16)	2/26/16	10:50 Pacific		Water			X	3	
MW-22 (720-70520-17)	2/26/16	10:15 Pacific		Water			X	3	
MW-23 (720-70520-18)	2/26/16	15:16 Pacific		Water			X	3	
MW-25 (720-70520-19)	2/26/16	12:30 Pacific		Water			X	3	
MW-26 (720-70520-20)	2/26/16	14:35 Pacific		Water			X	3	
MW-27 (720-70520-21)	2/26/16	14:20 Pacific		Water			X	3	
MW-28 (720-70520-22)	2/26/16	14:40 Pacific		Water			X	3	

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 2/29/16 1450	Company TA	Received by:	Date/Time: 3-1-16 940	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27830.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-70520-1
Address: 4101 Shuffel Street NW, ,	Due Date Requested: 3/4/2016			Preservation Codes:
City: North Canton	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: OH, 44720				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:			
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	RSK_175/ (MOD) MEE Only	Total Number of containers	Special Instructions/Note:
			Preservation Code:						RSK
MW-29 (720-70520-23)	2/26/16	11:50 Pacific		Water			X	3	
IW-3 (720-70520-24)	2/26/16	13:08 Pacific		Water			X	3	
IW-5 (720-70520-25)	2/26/16	10:30 Pacific		Water			X	3	
IW-6 (720-70520-26)	2/26/16	12:25 Pacific		Water			X	3	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/29/16 1415	TA		3-1-16 940	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

3/9/2016

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** _____
Canton Facility

Client Pleasanton Site Name _____ Cooler unpacked by:

Cooler Received on 3-1-16 Opened on 3-1-16

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# 48 (CF **-1.9** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# 36 (CF **-1.5** °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN# I8 (CF **-0.5** °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 1.3 °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	(No)
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes No	(NA)
-Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels be reconciled with the COC?	(Yes)	No
9. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
10. Sufficient quantity received to perform indicated analyses?	(Yes)	No
11. Are these work share samples?	(Yes)	No

If yes, Questions 12-16 have been checked at the originating laboratory.

12. Were sample(s) at the correct pH upon receipt?	Yes	No	NA	pH Strip Lot# HC559158
13. Were VOAs on the COC?	Yes	No		
14. Were air bubbles >6 mm in any VOA vials?	Yes	No	NA	
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	(Yes)	No		
16. Was a LL Hg or Me Hg trip blank present? _____	Yes	No		

NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27831.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-70520-1
Address: 2417 Bond Street,	Due Date Requested: 3/4/2016			Preservation Codes:
City: University Park	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

720-70520 COC

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-2 (720-70520-1)	2/26/16	12:30 Pacific		Water			X	1	
MW-3 (720-70520-2)	2/26/16	11:45 Pacific		Water			X	1	
MW-4 (720-70520-3)	2/26/16	10:30 Pacific		Water			X	1	
MW-8 (720-70520-4)	2/26/16	13:20 Pacific		Water			X	1	
MW-9 (720-70520-5)	2/26/16	13:45 Pacific		Water			X	1	
MW-10 (720-70520-6)	2/26/16	11:40 Pacific		Water			X	1	
MW-11 (720-70520-7)	2/26/16	12:25 Pacific		Water			X	1	
MW-13 (720-70520-8)	2/26/16	13:20 Pacific		Water			X	1	
MW-14 (720-70520-9)	2/26/16	13:45 Pacific		Water			X	1	
MW-15 (720-70520-10)	2/26/16	15:05 Pacific		Water			X	1	
MW-16 (720-70520-11)	2/26/16	15:10 Pacific		Water			X	1	

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/29/16 1415	VA		03/01/16 1030	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27831.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-70520-1
Address: 2417 Bond Street, ,	Due Date Requested: 3/4/2016			Preservation Codes:
City: University Park	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-17 (720-70520-12)	2/26/16	12:05 Pacific		Water			X	1	
MW-18 (720-70520-13)	2/26/16	14:15 Pacific		Water			X	1	
MW-19 (720-70520-14)	2/26/16	14:27 Pacific		Water			X	1	
MW-20 (720-70520-15)	2/26/16	14:15 Pacific		Water			X	1	
MW-21 (720-70520-16)	2/26/16	10:50 Pacific		Water			X	1	
MW-22 (720-70520-17)	2/26/16	10:15 Pacific		Water			X	1	
MW-23 (720-70520-18)	2/26/16	15:16 Pacific		Water			X	1	
MW-25 (720-70520-19)	2/26/16	12:30 Pacific		Water			X	1	
MW-26 (720-70520-20)	2/26/16	14:35 Pacific		Water			X	1	
MW-27 (720-70520-21)	2/26/16	14:20 Pacific		Water			X	1	
MW-28 (720-70520-22)	2/26/16	14:40 Pacific		Water			X	1	

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 2/29/16 1415	Company TAL	Received by:	Date/Time: 03/01/16 1030	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-27831.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-70520-1
Address: 2417 Bond Street, ,	Due Date Requested: 3/4/2016			Preservation Codes:
City: University Park	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: IL, 60484				
Phone: 708-534-5200(Tel) 708-534-5211(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: UPS-Oakland	Project #: 72000550			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-29 (720-70520-23)	2/26/16	11:50 Pacific		Water			X	1	
IW-3 (720-70520-24)	2/26/16	13:08 Pacific		Water			X	1	
IW-5 (720-70520-25)	2/26/16	10:30 Pacific		Water			X	1	
IW-6 (720-70520-26)	2/26/16	12:25 Pacific		Water			X	1	

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/29/16 1415			03/01/16 1030	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-70520-1

Login Number: 70520
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

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

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 720-70520-1

Login Number: 70520
List Number: 2
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago
List Creation: 03/01/16 12:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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 (excluding tests with immediate HTs)	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	

Arcadis U.S., Inc.

1000 Cobb Place Blvd.

Bldg. 500-A

Kennesaw, Georgia 30144

Tel 770 428 9009

Fax 770 428 4004

www.arcadis.com