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**SITE INVESTIGATION DATA REPORT
FORMER GROVE STREET WASH RACK SITE
3884 MARTIN LUTHER KING JUNIOR WAY
OAKLAND, CALIFORNIA**

Prepared for:

**Neil Cotter and John Coyle
2847 Arguello Drive
Burlingame, California 94010**

Prepared by:

URS

**URS Corporation
One Montgomery Street, Suite 900
San Francisco, California 94104**

June 2014

IDENTIFICATION FORM

Document Title: **SITE INVESTIGATION DATA REPORT
FORMER GROVE STREET WASH RACK SITE
3884 Martin Luther King Junior Way
Oakland, California 94609**

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APPROVAL FORM

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Signature: _____ Date: June 13, 2014
Name: Kali Futnani
Title: Environmental Scientist



Signature: _____ Date: June 13, 2014
Name: Erik Skov, PG, CHG
Title: Senior Project Geologist



June 26, 2014

Ms. Karel Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway

Subject: Responsible Party Perjury Statement for Site Investigation Data Report, Former Grove Street Wash Rack Site, 3884 Martin Luther King Jr. Way Oakland, California (Fuel Leak Case RO000027 and Global ID # T0600102106)

Dear Ms. Detterman:

Attached for your review please find the URS Site Investigation Data Report with the results of the soil and groundwater investigation at the above referenced site.

I declare under penalty of perjury that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Please contact me at 415-243-3878 or at kali.futnani@urs.com should you have any questions or require any clarifications.

Sincerely,
URS CORPORATION

A handwritten signature in black ink, appearing to read 'Kali Futnani', with a horizontal line extending to the right.

Kali Futnani
Environmental Scientist/ Project Manager

Mr. Neil and Mrs. Mary Cotter
2847 Arguello Drive
Burlingame, CA 94010

June 26, 2014

Ms. Karel Detterman
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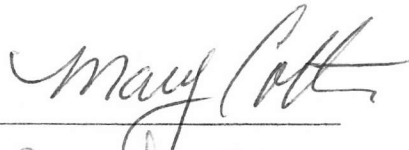
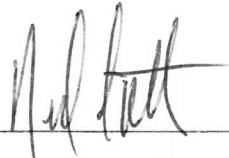
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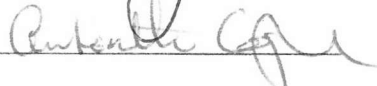
Sincerely,

Neil and Mary Cotter



7/3/14

John and Antoinette Coyle



7/3/14

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1.0 INTRODUCTION

Cotter and Coyle, LLC retained URS Corporation (URS) to conduct an additional site investigation activities at the Former Grove Street Wash Rack Site, 3884 Martin Luther King Junior Way, Oakland, California (Figure 1) to support the preparation of a Feasibility Study/Corrective Action Plan.

The Site Investigation Workplan (Workplan) was submitted to Alameda County Environmental Health (ACEH) in July 2013 (URS, 2013). The workplan was approved by ACEH in their email dated July 8, 2013.

This Report summarizes the field activities and analytical results from the field work performed in July 2013.

The Report is organized as follows:

- Section 2: Site Background;
- Section 3 Statement of Work;
- Section 4: Investigation Results;
- Section 5: Deviations from the Work Plan; and
- Section 6: Field Parameter and Analytical Results;

Supporting data are included in Figures 1 through 8, Tables 1 through 4, and Appendices A through C.

2.0 SITE BACKGROUND

2.1 Site Location and Historical Uses

The Site is in a mixed commercial and residential area in the City of Oakland, California. It occupies approximately 10,250 square feet, and is identified as Assessor's Parcel Number (APN) 012-0968-31. The property is zoned for residential use.

The Site is bordered by the following:

- North: 39th Street, followed by a retail business;
- East: the Highway 24 right-of-way, followed by the MacArthur BART station;
- South: a multi-story residential/commercial building; and
- West: MLK Jr. Way, followed by residential and vacant properties.

The Site is the former location of the Grove Street Wash Rack and Lucky's Auto. Known historical Site uses include the following:

- A gas station operated on the Site in the 1950s and 1960s. Three underground storage tanks (USTs) from the gas station were removed on January 5, 1995.
- An auto body shop operated on the eastern portion of the Site until at least 2004.

A fuel and feed store and fuel yard operated at the adjacent parcel to the south (3860 MLK Jr. Way) from the 1930s to the 1950s. A lumber store and warehouse operated on the parcel in the 1960s, but the business closed and the buildings were demolished in 1971. The adjacent parcel was redeveloped into a multi-story residential and commercial building in 2006.

A more detailed site description is included in the Site Investigation Workplan (URS, 2013).

2.2 Current Site Conditions and Use

The Site is currently not in use. With the exception of a large advertising billboard along the southern edge of the parcel, former Site buildings have been removed, and only concrete pads and paved and unpaved areas remain.

3.0 OBJECTIVE AND SCOPE OF WORK

The site investigation was designed to better understand the horizontal and vertical extent of petroleum hydrocarbon contamination in shallow soil and groundwater at the Site.

The objective of the site investigation was to provide the necessary data to address existing data gaps at the site. The additional information generated from this investigation will be used to develop a Feasibility Study/Corrective Action Plan to be implemented at the Site so that Alameda County Health Agency can advance the site towards closure under the State Water Resources Control Board (SWRCB) Low Threat Closure Policy.

Implementation of the site investigation included: (1) planning and permitting; (2) borehole and well installation and baseline sampling; (3) reviewing investigation data; and (4) reporting.

3.1 Planning and Permitting

Pre-field work activities included the following:

- Preparing this work plan;
- Procuring subcontractors;
- Obtaining a Traffic Control Permit from City Of Oakland;
- Obtaining drilling permits from the Alameda County Public Works Agency (ACPWA);
- Obtaining encroachment and excavation permits from the City of Oakland Public Works Agency;
- Contacting Underground Services Alert (USA) concerning all drilling activities;
- Coordinating Site access and resident notification with the owner.

The drilling permits were obtained from the Alameda County Public Works Agency (ACPWA). A City of Oakland encroachment and excavation permit was obtained for the groundwater monitoring well to be installed in the sidewalk. A City of Oakland Traffic Control Plan was obtained for sidewalk work.

3.2 Groundwater Monitoring Well Installation, Grab Groundwater Sampling, and Soil Borings

Five groundwater monitoring wells were installed and 13 borings were advanced on the Site at the location shown in Figure 2 to collect soil and groundwater samples. Soil and grab groundwater samples from soil borings and groundwater samples from monitoring wells, were analyzed for TPH-g, BTEX, Napthalene, 1,2-DCA and cis-1,2-DCE. A sub-set of groundwater samples was analyzed for natural attenuation parameters: total organic carbon (TOC), ferrous iron, sulfate, sulfite, nitrate, nitrite and sulfide. Sample analyses for soil, grab groundwater and groundwater are summarized in Tables 1, 2 and 3.

3.3 Material Disposal and Site Restoration

All potentially contaminated drilling equipment decontamination fluids and purge water was contained in 55-gallon steel Department of Transportation (DOT)-approved 55-gallon drums. Drill cuttings from the borings were contained in 55-gallon DOT-approved drums, and sampled for profiling and disposal. The 55-gallon drums were staged at the Site pending disposal. Other solid waste and personal protective equipment from the project were recycled, or disposed of, as non-hazardous waste, as appropriate.

4.0 INVESTIGATION RESULTS

4.1 Summary of Field Activities

Five groundwater monitoring wells were installed based on Data Gaps from previous investigations and studies. Ten soil borings were advanced to a depth of 20 feet bgs at locations shown on Figures 2 through 5.

Soil samples were collected from 8 soil boring locations, SB-4 through SB-11 and from the five monitoring well locations, MW-1 through MW-5. Groundwater samples were collected from MW-1 through MW-5. Grab groundwater samples were collected from SB-1 through SB-2 and SB-4 through SB-11. SB-3 did not produce any water after being left open for several hours.

Samples were submitted to Test America, a California DPH-licensed laboratory for analysis. Sample analyses for soil, grab ground water and groundwater are summarized in Tables 1 through 3.

All drilling activities, soil boring logs and groundwater, grab groundwater and soil sampling was conducted in accordance with the July 2013 Workplan (URS, 2013).

4.2 Geology and Hydrogeology

The lithology encountered in the subsurface beneath the Site during the drilling activities consists predominantly of dark brown to yellow brown gravelly silty clay to greenish-gray and yellowish brown silty clay with sand and some gravel. The primary stratigraphic units at the Site are listed below, with approximate ranges of depth (bgs) each unit was encountered across the Site:

- 0 to 4 feet bgs: the soil typically consisted of a stiff, very dark-brown silty clay
- 4 to 15 feet bgs: yellowish brown silty clay and a mottled yellowish brown and greenish-gray silty clay
- 15 to 20 feet bgs: Yellowish brown/greenish gray/dark reddish brown lithologies consisting of silty and clayey sands and silts. Some small (typically less than 6 inch) gravel layers were also encountered.

Boring logs for the soil borings and monitoring wells are included in Appendix A. Groundwater was encountered in direct-push boreholes at an average depth approximately 15 feet. This groundwater depth is not considered a stabilized groundwater depth. Depth to groundwater in the five newly installed groundwater monitoring wells ranged from 14.41 to 16.89 feet below the top of the well casings. This data was used in conjunction with top of well casing elevation data to generate a groundwater elevation contour map (Figure 6). Based on the groundwater elevation contour map, groundwater beneath the site flows to the west at an approximate gradient of 0.02.

It should be noted that the groundwater elevation from MW-5 was considered anomalous and was not included in generating the groundwater elevation contour map.

4.3 Summary of Soil Sampling

The results of the analyses are discussed in Section 6.0. The laboratory analytical and data validation reports are provided in Appendix B.

Soil samples were analyzed for TPH-g, BTEX, Napthalene, 1,2-DCA and cis-1,2-DCE as shown in Table 3. Samples were collected and preserved in accordance with Unites States

Environmental Protection Agency (U.S. EPA) Method 5035 (TerraCore samplers) to prevent loss of volatiles. The soil samples were collected July 9th through the 12th using standard environmental protocols, and stored in coolers on ice. A chain-of-custody form was used as the sample custody and analyses specification document for all samples from the time of collection until laboratory analysis. Field duplicates were collected at a rate of 10 percent. Soil samples were submitted to Test America, a California Department of Public Health (DPH)-licensed laboratory.

4.4 Summary of Groundwater and Grab Groundwater Monitoring

Table 2 shows the field parameters from the July 2013 groundwater monitoring event. The field parameters and results are discussed in Section 6.0. The groundwater sampling logs are included in Appendix C. The laboratory analytical and data validation reports are provided in Appendix B.

On July 11th, groundwater samples from monitoring wells MW-1 through MW-5 were collected from with a peristaltic pump using a low-flow sampling protocol and continuous physical parameter monitoring through a flow cell. The field parameters and calibration procedures are presented in Table 4.. After physical parameters stabilized, groundwater samples were collected and placed directly into laboratory-provided containers with the appropriate preservative, and stored in coolers on ice.

On July 9th through the 12th, grab groundwater samples from SB-1, SB-2, and SB-4 through SB-11 were collected from a temporary PVC casing with a machine slotted screen placed inside the borehole. Prior to sampling approximately one gallon of water was removed from the casing using a peristaltic pump.

Groundwater and grab groundwater samples were analyzed for TPH-g, BTEX, Napthalene, 1,2-DCA and cis-1,2-DCE. A sub-set of groundwater samples were analyzed for natural attenuation parameters: total organic carbon (TOC), ferrous iron, sulfate, sulfite, nitrate, nitrite and sulfide. A chain-of-custody was completed in the field during sample collection, and accompanied the samples until delivery to the analytical laboratory. Field duplicates were collected at a rate of 10 percent. Laboratory-supplied trip blank samples accompanied the sampling containers throughout the sampling event, and were submitted for analysis.

5.0 DEVIATIONS FROM THE WORK PLAN

The fieldwork was implemented following URS' Site Investigation Workplan except that boring SB-3 did not produce water, so no grab groundwater sample was collected.

6.0 FIELD PARAMETERS AND ANALYTICAL RESULTS

6.1 Soil Analytical Results

Soil analytical results are summarized in Table 1 and shown graphically on Figures 2 and 3. Soil results show the highest TPH-g concentrations were observed in the vicinity of UST #3, in soil borings SB-6 (1,400,000 µg/kg) and SB-7 (77,000 µg/kg) at depths of 16 and 15 feet bgs respectively. The soil sample collected from MW-4 at 16 feet bgs was found to have a TPH-g concentration of 2,700,000 µg/kg. These sample locations also coincided with the highest BTEX result found on-site. It should be noted that groundwater is encountered at approximately 15 to 16 feet bgs at these locations, so that these soil samples were collected from the saturated interval. The deeper interval TPH-g sample concentrations from these locations at 20 feet bgs were either non-detect or significantly lower.

Soil samples collected from beneath the sidewalk in the vicinity of USTs #1 and #2 did not show elevated TPH-g or BTEX concentrations between 12 and 20 feet bgs. However the sample collected at seven feet bgs from the soil boring for MW-1 was found to have a concentration of 750,000 µg/kg of TPH-g. This sample was collected based on elevated PID readings and odors observed at this depth interval.

The lateral extent of contamination exceeding the screening criteria appears to be limited to the area around the former USTs. There is no additional data from around the former tank #3. Given the nature of the petroleum hydrocarbon (mainly light fraction gasoline), the vertical extent of soil contamination beneath and in close proximity to the former tanks is likely limited to the lowest level of groundwater fluctuation.

6.2 Groundwater Physical Parameters

Groundwater physical parameters including temperature, pH, conductivity, Dissolved Oxygen (DO), and Oxidation Reduction Potential (ORP) were monitored in the field during groundwater collection. DO and ORP provide information on the suitability of groundwater for natural attenuation processes, as well as on any changes in groundwater chemistry during the pilot test. The data is presented in Table 4.

Dissolved Oxygen

DO in groundwater was measured in the field from each of the existing wells during the July sampling event. DO ranged from 3.63 mg/L to 6.17 mg/L.

Oxidation-Reduction Potential

ORP was measured as a field parameter since the ORP of a groundwater system depends on and influences rates of degradation. Lower (negative) ORP values indicate more reducing conditions. ORP measurements indicated oxidizing conditions, with positive ORP values from 25.1 mV to 78.2mV.

pH

The pH of groundwater has an effect on the presence and activity of microbial populations, because microbes generally thrive at pH values between 6 and 8. The pH varied from 6.35 to 6.63.

6.3 Groundwater Analytical Results

During the July 2013 site investigation, groundwater from monitoring wells and grab groundwater samples from soil borings was collected and analyzed for TPH-g, BTEX, Napthalene, 1,2-DCA and cis-1,2-DCE. A sub-set of groundwater samples were analyzed for natural attenuation parameters: total organic carbon (TOC), ferrous iron, sulfate, sulfite, nitrate, nitrite and sulfide. The results are summarized in Table 4 for groundwater and Table 5 for grab ground water and are presented graphically on Figures 4 and 5.

Grab groundwater analytical data (Figure 5, Table 3) is considered qualitative only, and tends to be biased high, as grab samples typically have a higher sediment loading than samples collected from a developed and purged monitoring well. The grab groundwater sample collected from SB-6, adjacent to MW-4 showed high TPH-g and BTEX concentrations, the TPH-g concentration (150,000 µg/l) being approximately ten times the TPH-g concentration observed in MW-4. The cross-gradient grab sample collected from SB-9 was found to have elevated TPH-g and BTEX concentrations with a TPH-g concentration of 19,000 µg/l. TPH-g was detected in one off-site grab groundwater sample (SB-1) at 120 µg/l.

Figure 4 shows the monitoring well locations and results of the 2013 investigation. The highest concentration of contaminants detected in groundwater were observed in monitoring well MW-4, with TPH-g at 13,000 µg/l [duplicate sample] and benzene at 1,100 µg/l, also from the duplicate sample. The concentrations of toluene, ethylbenzene, and xylenes were also elevated at this location. Elevated TPH-g and benzene concentrations were also observed in the downgradient well MW-2 (560 µg/l and 220 µg/l respectively).

Please contact the under-signed at 415-243-3878 if you have any questions regarding this Report.

Sincerely,



Kali Futnani
Environmental Scientist



Erik Skov, PG, CHG
Senior Project Geologist



7.0 REFERENCES

DTSC, 1995. *Monitoring Well Design and Construction for Hydrogeologic Characterization Guidance Manual*. July.

URS, 2013. *Site Investigation Work Plan, Former Grove Street Wash Rack Site, 3884 Martin Luther King Junior Way, Oakland, CA 94609*. July

U.S. EPA, 1998. *U.S. EPA Guidance for Quality Assurance Project Plans*, EPA QA/G-5.

8.0 APPENDICES:

FIGURES

- Figure 1 Site Location Map
- Figure 2 Soil Analytical Results
- Figure 3 Monitoring Well Soil Analytical Results
- Figure 4 Groundwater Results—Monitoring Wells
- Figure 5 Grab Groundwater Analytical Results
- Figure 6 Groundwater Elevation Contour Map
- Figure 7 TPHg Isoconcentration Map
- Figure 8 Benzene Isoconcentration Map

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- Appendix B Groundwater Sampling Logs
- Appendix C Analytical Data and Data Validation

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Table 4
Field Parameters
Former Grove Street Wash Rack Site
July 2013

Well	Date	Temperature (°Celsius)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)
MW-1	7/18/2013	20.0	1.129	5.74	6.35	63.4
MW-2	7/18/2013	18.7	0.901	3.63	6.62	51.2
MW-3	7/18/2013	18.7	0.799	5.36	6.52	71.9
MW-4	7/18/2013	20.5	1.438	4.21	6.44	25.1
MW-5	7/18/2013	17.10	0.845	6.17	6.63	78.2

ORP = Oxidation-Reduction Potential

mS/cm = milliSiemens per centimeter

DO = Dissolved Oxygen

mg/L = milligrams per liter

mV = millivolt

**Table 3-Grab Groundwater Analytical Results (µg/L)
3884 MLK Drive**

	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MCL/ESL	100*	1	150	300	1750		0.5	6
SB-1	120	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50
SB-2	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50
SB-3								
SB-4	670	36	1.1	9.4	13	<1.0	<0.50	<0.50
SB-5	200	13	4.7	13	38	1.7	1.3	<0.50
SB-6	150,000	5100	17,000	2600	23,000	980	<50	<50
SB-90**	120,000	5300	18,000	2500	22,000	820	<50	<50
SB-7	620	14	4.1	24	37	9.3	0.78	<0.50
SB-91***	110	5.2	2.4	6.8	11	2.5	<0.50	<0.50
SB-8	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50
SB-9	19000	4300	59	1200	1800	300	<50	<50
SB-10	130	<0.50	34	2.3	18	<1.0	<0.50	<0.50
SB-11	260	3.6	8.0	9.9	30	2.6	2	<0.50

*= ESL

**dup of SB-6

*** dup of SB-7

not sampled, boring did not produce water

**Table 2-Groundwater Analytical Results (µg/L)
3884 MLK Drive**

	TPHg	Benzene	Toluene	Ethyl benzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE	Ethane	Ethylene	Methane	Nitrate as NO3	Nitrite as NO2	Sulfate	Ferrous Iron	Sulfide	TOC Dup
MCL/ESL	100*	1	150	300	1750	NV	0.5	6	NV	NV	NV	NV	NV	NV	NV	NV	NV
UG/L																	
MW-1	<50	<0.50	<0.50	<0.50	<1.0	<1.0	4.5	<0.50	<5.0	<5.0	<5.0	1.1	<10	40	<0.10	<1.0	4
MW-2	560	220	2.9	4.6	35	<1.0	4.3	<0.50	<5.0	<5.0	25	4.6	<10	64	<0.10	<1.0	7.8
MW-3	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	9500	980	510	270	2600	180	0.71	<0.50	<5.0	<5.0	180	<1.0	<10	51	2.0	<1.0	11
MW-40**	13000	1100	930	800	3500	180	0.61	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<5.0	<5.0	<5.0	33	<10	91	<0.10	<1.0	2.8

NA= Not Analyzed

NV = No Value

* = ESL

**= dup of MW-4

**Table 1-Soil Analytical Results (µg/KG)
3884 MLK Drive**

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-1-7	750,000	<460	<460	<460	<910	<910	<460	<460
MW-1-12	<230	<4.5	<4.5	<4.5	<9.1	<9.1	<4.5	<4.5
MW-1-15	<210	<4.1	<4.1	<4.1	<8.3	<8.3	<4.1	<4.1
MW-1-20	<210	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
FD-5-20****	<240	<3.6	<3.6	<3.6	<7.1	<7.1	<3.6	<3.6
MW-2-12	<200	<3.6	<3.6	<3.6	<8.0	<7.1	<3.6	<3.6
MW-2-15	<190	<3.8	<3.8	<3.8	<8.1	<7.7	<3.8	<3.8
MW-2-18.5	<20000	1700	<400	<400	<800	<800	<400	<400
MW-2-20	<190	<3.8	<3.8	<3.8	<7.6	<7.6	<3.8	<3.8
MW-3-12	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
MW-3-15	<200	<4.1	<4.1	<4.1	<8.4	<8.4	<4.1	<4.1
MW-3-20	<210	<4.1	<4.1	<4.1	<8.3	<8.3	<4.1	<4.1
MW-4-12	2200	240	22	220	88	31	<5.0	<5.0
MW-4-15	400,000	1300	1800	9000	38000	2400	<800	<800
MW-4-16	2,700,000	2700	3900	48000	110000	12000	<380	<380
MW-4-20	<21000	<420	<420	<420	<830	<830	<420	<420
MW-5-12	<220	<4.5	<4.5	<4.5	<8.9	<8.9	<4.5	<4.5
MW-5-15	<200	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
MW-5-20	<220	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3
SB-4-12	<220	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3
SB-4-15	<200	<4.0	<4.0	<4.0	<7.9	<7.9	<4.0	<4.0
SB-4-20	680	<3.7	<3.7	<3.7	<7.4	<7.4	<3.7	<3.7
SB-5-12	2600	1000	13	560	<8.3	<8.3	<4.2	<4.2
SB-5-15	<200	<4.1	<4.1	<4.1	<8.1	<8.1	<4.1	<4.1
SB-5-20	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
SB-6-12	780	<4.3	<4.3	7.6	9.2	<8.7	<4.3	<4.3
SB-6-15	4800	180	7.6	330	29	13	<4.1	<4.1
SB-6-16	1,400,000	4600	70000	32000	180000	10000	<3900	<3900
SB-6-20	650	6.6	34	14	78	<7.6	<3.8	<3.8
SB-7-12	<190	<3.9	<3.9	<3.9	<7.8	<7.8	<3.9	<3.9
FD-1-12*	<210	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3
SB-7-15	77,000	420	<390	1300	2800	<790	<390	<390
SB-7-20	<200	<4.0	<4.0	<4.0	<8.1	<8.1	<4.0	<4.0
SB-8-12	<210	7.5	<4.2	<4.2	<8.4	11	<4.2	<4.2
SB-8-15	<200	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
SB-8-20	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
FD-3-20**	<210	<4.2	<4.2	<4.2	<8.5	<8.5	<4.2	<4.2
SB-9-12	230	<4.5	<4.5	<4.5	<8.9	<8.9	<4.5	<4.5
SB-9-15	<21,000	130	7.6	48	340	110	<4.1	<4.1
SB-9-18	27000	1400	<400	790	<800	<800	<400	<400
SB-9-20	<200	<4.0	<4.0	<4.0	<8.0	<8.0	<4.0	<4.0
FD-2-20***	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
SB-10-12	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
SB-10-15	<200	<4.1	<4.1	<4.1	<8.1	<8.1	<4.1	<4.1

**Table 3-Soil Sample Results (μ /KG)
3884 MLK Drive**

SB-10-20	<150	<3.1	<3.1	<3.1	<6.2	<6.2	<3.1	<3.1
SB-11-12	790	80	<4.2	55	<8.5	8.9	<4.2	<4.2
SB-11-15	<170	<3.3	<3.3	<3.3	<6.6	<6.6	<3.3	<3.3
SB-11-20	<180	<3.7	<3.7	<3.7	<7.4	<7.4	<3.7	<3.7

TPH-g = Total Petroleum Hydrocarbons as Gasoline Range Organics (GRO)-C5-C12

*dup of SB-7-12

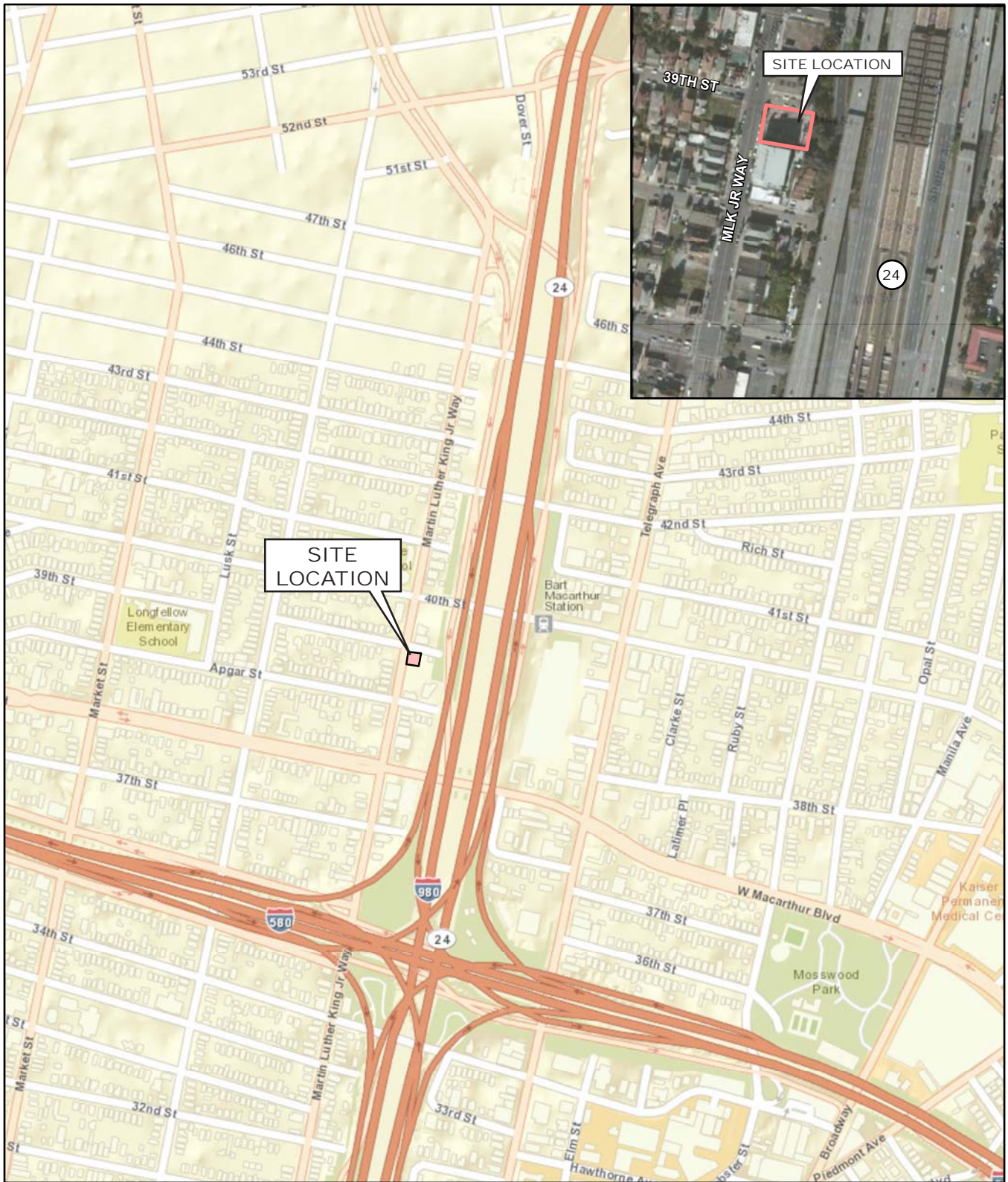
**dup of SB-8-20

*** dup of SB-9-20

****dup of MW-1-20

FIGURES

9/05/13 vsa ...T:\3884 MLKISEPT_2013\Fig1_site_location.al



Source: Esri Aerial Imagery, DeLorme, NAVTEC, 2012

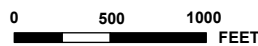
SITE LOCATION MAP

3884 Martin Luther King, Jr. Way
Oakland, California

28068161



FIGURE 1



09/06/13 hkv/vsa T:\3884 MLKSEPT_2013\GW_Sample_Results Folder\GW_Sample_Results.incd

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-4-12	<220	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3
SB-4-15	<200	<4.0	<4.0	<4.0	<7.9	<7.9	<4.0	<4.0
SB-4-20	680	<3.7	<3.7	<3.7	<7.4	<7.4	<3.7	<3.7

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-5-12	2600	1000	13	560	<8.3	<8.3	<4.2	<4.2
SB-5-15	<200	<4.1	<4.1	<4.1	<8.1	<8.1	<4.1	<4.1
SB-5-20	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-6-12	780	<4.3	<4.3	7.6	9.2	<8.7	<4.3	<4.3
SB-6-15	4800	180	7.6	330	29	13	<4.1	<4.1
SB-6-16	1,400,000	4600	70000	32000	180000	10000	<3900	<3900
SB-6-20	650	6.6	34	14	78	<7.6	<3.8	<3.8

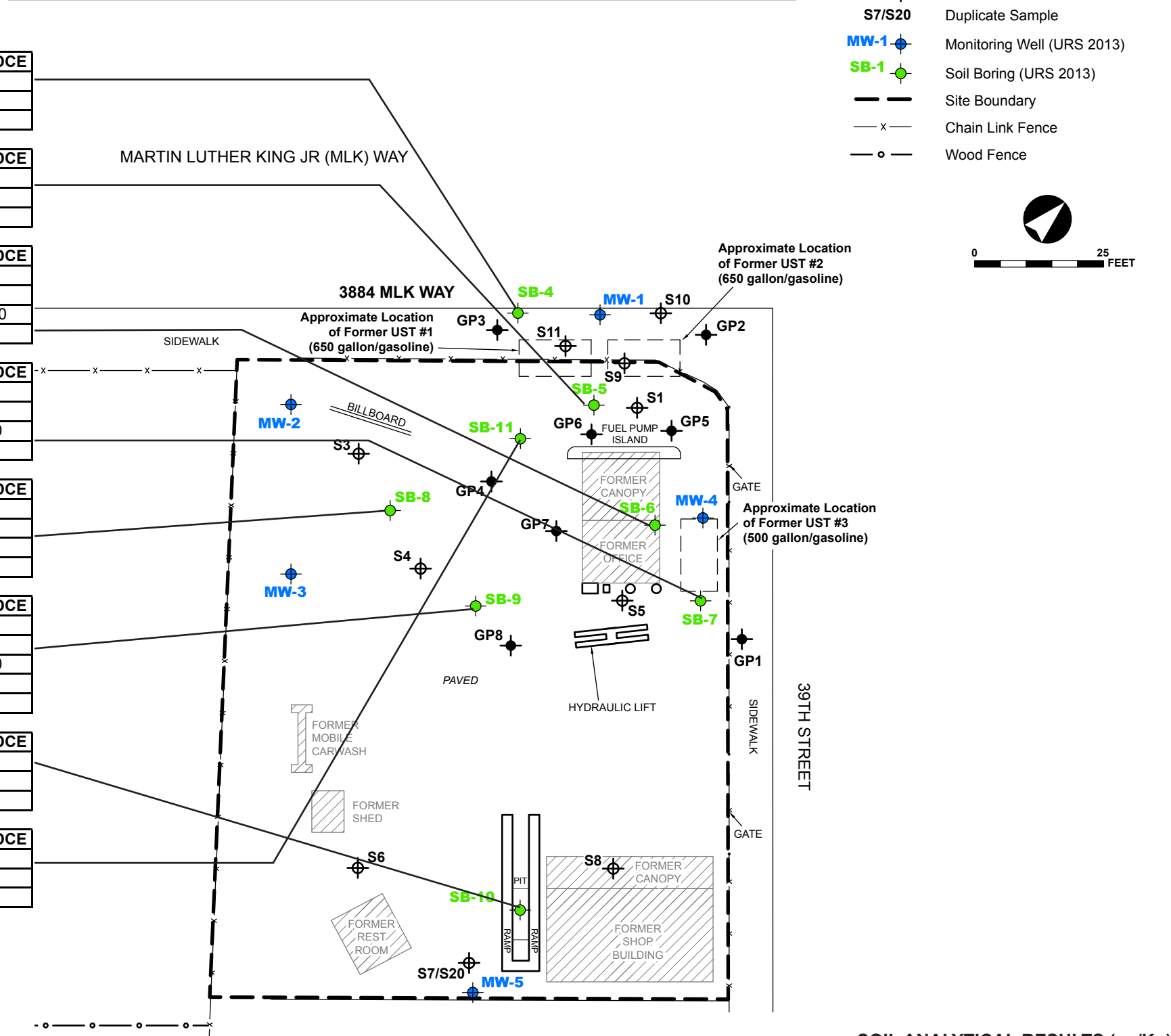
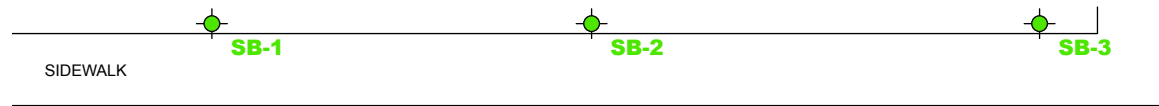
	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-7-12	<190	<3.9	<3.9	<3.9	<7.8	<7.8	<3.9	<3.9
FD-1-12*	<210	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3
SB-7-15	77,000	420	<390	1300	2800	<790	<390	<390
SB-7-20	<200	<4.0	<4.0	<4.0	<8.1	<8.1	<4.0	<4.0

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-8-12	<210	7.5	<4.2	<4.2	<8.4	11	<4.2	<4.2
SB-8-15	<200	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
SB-8-20	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
FD-3-20**	<210	<4.2	<4.2	<4.2	<8.5	<8.5	<4.2	<4.2

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-9-12	230	<4.5	<4.5	<4.5	<8.9	<8.9	<4.5	<4.5
SB-9-15	<21,000	130	7.6	48	340	110	<4.1	<4.1
SB-9-18	27000	1400	<400	790	<800	<800	<400	<400
SB-9-20	<200	<4.0	<4.0	<4.0	<8.0	<8.0	<4.0	<4.0
FD-2-20***	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-10-12	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
SB-10-15	<200	<4.1	<4.1	<4.1	<8.1	<8.1	<4.1	<4.1
SB-10-20	<150	<3.1	<3.1	<3.1	<6.2	<6.2	<3.1	<3.1

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
SB-11-12	790	80	<4.2	55	<8.5	8.9	<4.2	<4.2
SB-11-15	<170	<3.3	<3.3	<3.3	<6.6	<6.6	<3.3	<3.3
SB-11-20	<180	<3.7	<3.7	<3.7	<7.4	<7.4	<3.7	<3.7



- S1 ⊕ URS Geoprobe (2004)
- GP4 ⊕ JCC Geoprobe (Feb 21, 2006)
- S7/S20 ⊕ Duplicate Sample
- MW-1 ⊕ Monitoring Well (URS 2013)
- SB-1 ⊕ Soil Boring (URS 2013)
- Site Boundary
- x — Chain Link Fence
- o — Wood Fence



SOIL ANALYTICAL RESULTS (µg/Kg)

28068161 3884 Martin Luther King, Jr. Way
Oakland, California



FIGURE 2

09/06/13 hkv/vsa T:\3884 MLKSEPT_2013\GW_Sample_Results Folder\GW_Sample_Results.incd









	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-1-7	750,000	<460	<460	<460	<910	<910	<460	<460
MW-1-12	<230	<4.5	<4.5	<4.5	<9.1	<9.1	<4.5	<4.5
MW-1-15	<210	<4.1	<4.1	<4.1	<8.3	<8.3	<4.1	<4.1
MW-1-20	<210	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
FD-5-20****	<240	<3.6	<3.6	<3.6	<7.1	<7.1	<3.6	<3.6

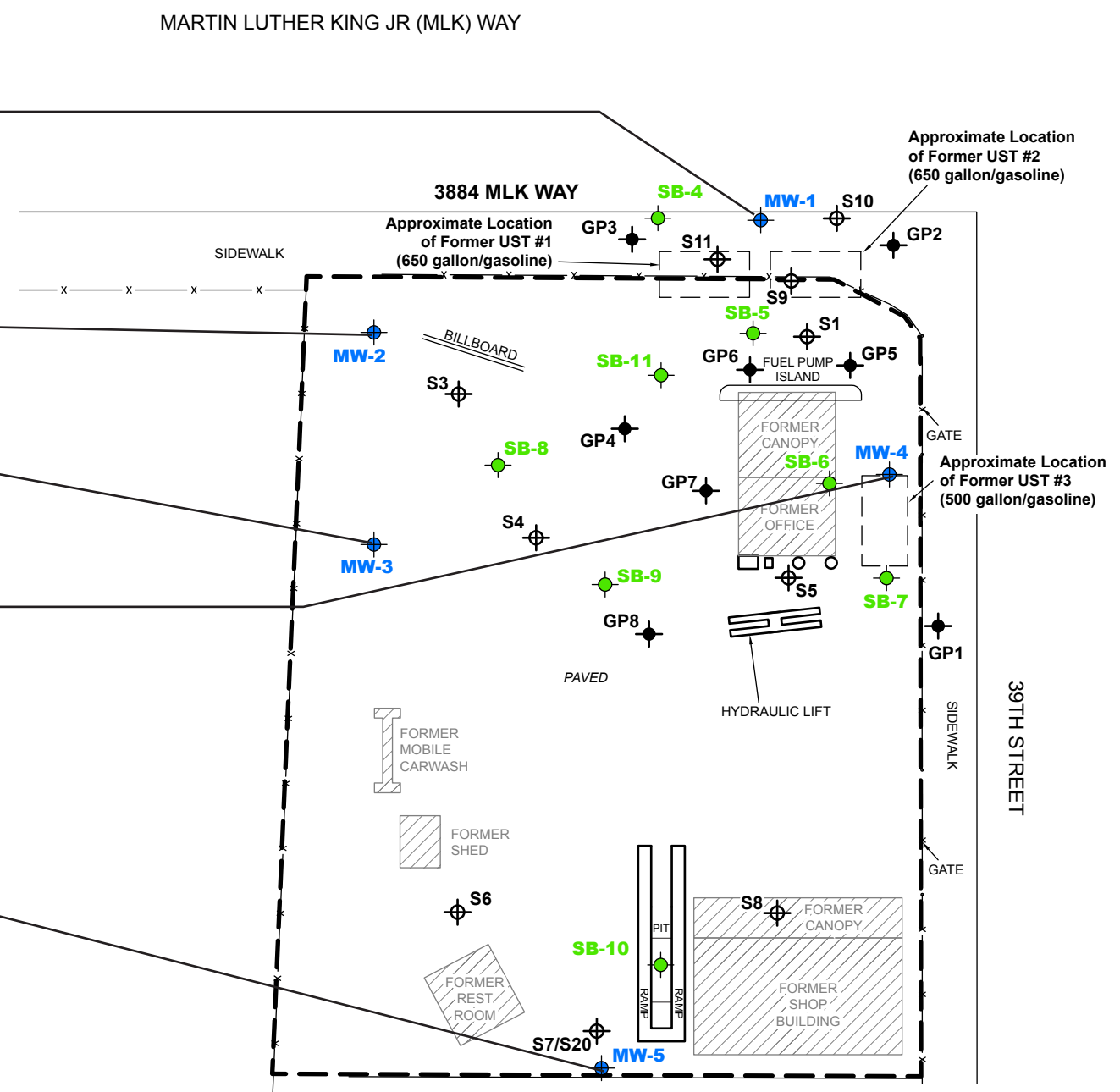
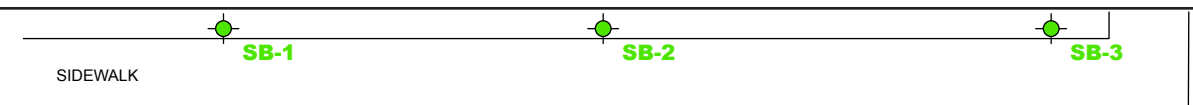
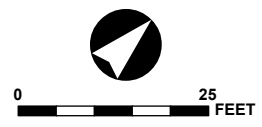
	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-2-12	<200	<3.6	<3.6	<3.6	<8.0	<7.1	<3.6	<3.6
MW-2-15	<190	<3.8	<3.8	<3.8	<8.1	<7.7	<3.8	<3.8
MW-2-18.5	<20000	1700	<400	<400	<800	<800	<400	<400
MW-2-20	<190	<3.8	<3.8	<3.8	<7.6	<7.6	<3.8	<3.8

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-3-12	<210	<4.2	<4.2	<4.2	<8.4	<8.4	<4.2	<4.2
MW-3-15	<200	<4.1	<4.1	<4.1	<8.4	<8.4	<4.1	<4.1
MW-3-20	<210	<4.1	<4.1	<4.1	<8.3	<8.3	<4.1	<4.1

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-4-12	2200	240	22	220	88	31	<5.0	<5.0
MW-4-15	400,000	1300	1800	9000	38000	2400	<800	<800
MW-4-16	2,700,000	2700	3900	48000	110000	12000	<380	<380
MW-4-20	<21000	<420	<420	<420	<830	<830	<420	<420

	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	Napthalene	1,2-DCA	cis-1,2-DCE
MW-5-12	<220	<4.5	<4.5	<4.5	<8.9	<8.9	<4.5	<4.5
MW-5-15	<200	<4.1	<4.1	<4.1	<8.2	<8.2	<4.1	<4.1
MW-5-20	<220	<4.3	<4.3	<4.3	<8.6	<8.6	<4.3	<4.3

-  S1 URS Geoprobe (2004)
-  GP4 JCC Geoprobe (Feb 21, 2006)
-  S7/S20 Duplicate Sample
-  MW-1 Monitoring Well (URS 2013)
-  SB-1 Soil Boring (URS 2013)
-  Site Boundary
-  Chain Link Fence
-  Wood Fence



MONITORING WELL SOIL ANALYTICAL RESULTS (µg/Kg)

3884 Martin Luther King, Jr. Way
Oakland, California

28068161



FIGURE 3

09/06/13 thk/vsa T:\3884 MLKSEPT_2013\GW_Sample_Results\Folder\GW_Sample_Results.ncdd









	MW-2
TPHg	560
Benzene	220
Toluene	2.9
Ethylbenzene	4.6
Xylenes	35
Napthalene	<1.0
1,2-DCA	4.3
cis-1,2-DCE	<0.50

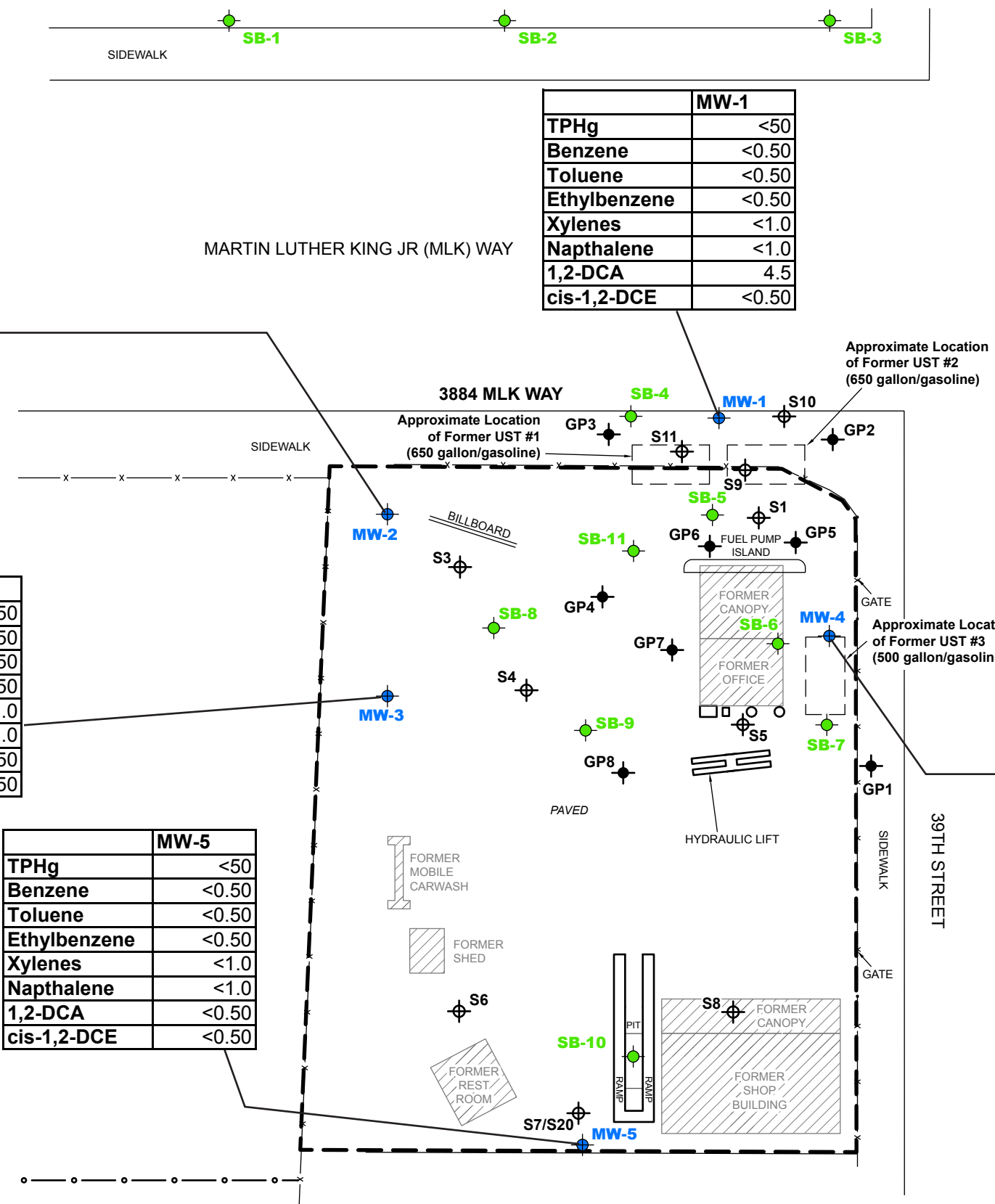
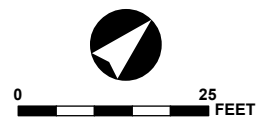
	MW-1
TPHg	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	4.5
cis-1,2-DCE	<0.50

	MW-3
TPHg	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

	MW-5
TPHg	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

	MW-4	MW-40*
TPHg	9500	13000
Benzene	980	1100
Toluene	510	930
Ethylbenzene	270	800
Xylenes	2600	3500
Napthalene	180	180
1,2-DCA	0.71	0.61
cis-1,2-DCE	<0.50	<0.50

-  S1 URS Geoprobe (2004)
-  GP4 JCC Geoprobe (Feb 21, 2006)
-  S7/S20 Duplicate Sample
-  MW-1 Monitoring Well (URS 2013)
-  SB-1 Soil Boring (URS 2013)
-  Site Boundary
-  Chain Link Fence
-  Wood Fence



**GROUNDWATER RESULTS –
MONITORING WELLS (µg/L)**

3884 Martin Luther King, Jr. Way
Oakland, California

28068161



FIGURE 4

09/06/13 thk/vsa T:\3884 MLKSEPT_2013\GW_Sample_Results Folder\GW_Sample_Results.incd

SB-1	
TPHg	120
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

SB-2	
TPHg	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

SB-4	
TPHg	670
Benzene	36
Toluene	1.1
Ethylbenzene	9.4
Xylenes	13
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

SB-5	
TPHg	200
Benzene	13
Toluene	4.7
Ethylbenzene	13
Xylenes	38
Napthalene	1.7
1,2-DCA	1.3
cis-1,2-DCE	<0.50

SB-11	
TPHg	260
Benzene	3.6
Toluene	8
Ethylbenzene	9.9
Xylenes	30
Napthalene	2.6
1,2-DCA	2
cis-1,2-DCE	<0.50









SB-8	
TPHg	<50
Benzene	<0.50
Toluene	<0.50
Ethylbenzene	<0.50
Xylenes	<1.0
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

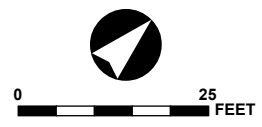
SB-9	
TPHg	19000
Benzene	4300
Toluene	59
Ethylbenzene	1200
Xylenes	1800
Napthalene	300
1,2-DCA	<50
cis-1,2-DCE	<50

SB-10	
TPHg	130
Benzene	<0.50
Toluene	34
Ethylbenzene	2.3
Xylenes	18
Napthalene	<1.0
1,2-DCA	<0.50
cis-1,2-DCE	<0.50

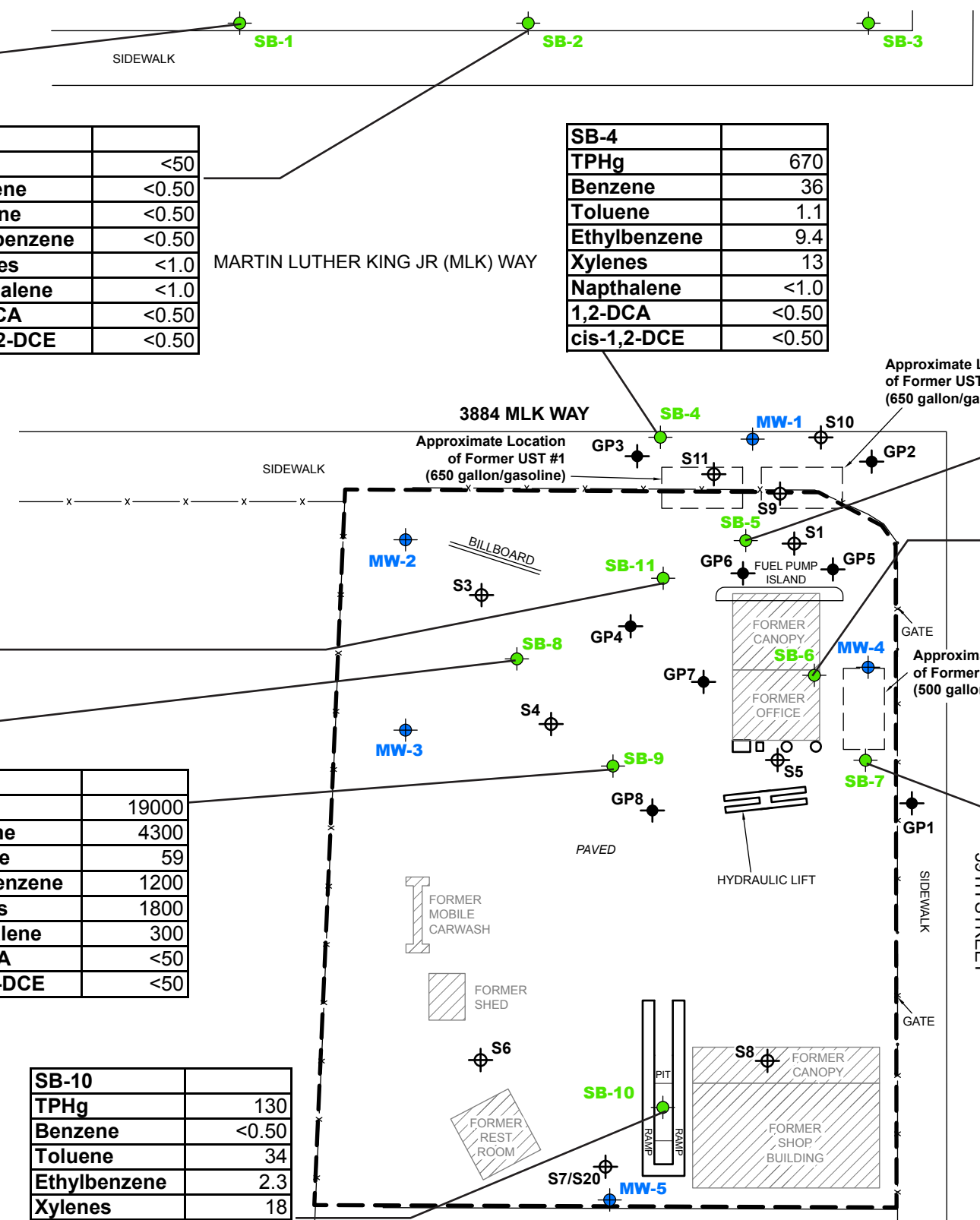
SB-6		SB-90*
TPHg	150000	120000
Benzene	5100	5300
Toluene	17000	18000
Ethylbenzene	2600	2500
Xylenes	23000	22000
Napthalene	980	820
1,2-DCA	<50	<50
cis-1,2-DCE	<50	<50

SB-7		SB-91*
TPHg	620	110
Benzene	14	5.2
Toluene	4.1	2.4
Ethylbenzene	24	6.8
Xylenes	37	11
Napthalene	9.3	2.5
1,2-DCA	0.78	<0.50
cis-1,2-DCE	<0.50	<0.50

-  S1 URS Geoprobe (2004)
-  GP4 JCC Geoprobe (Feb 21, 2006)
-  S7/S20 Duplicate Sample
-  MW-1 Monitoring Well (URS 2013)
-  SB-1 Soil Boring (URS 2013)
-  Site Boundary
-  Chain Link Fence
-  Wood Fence



Note: SB-3 not sampled/did not produce water

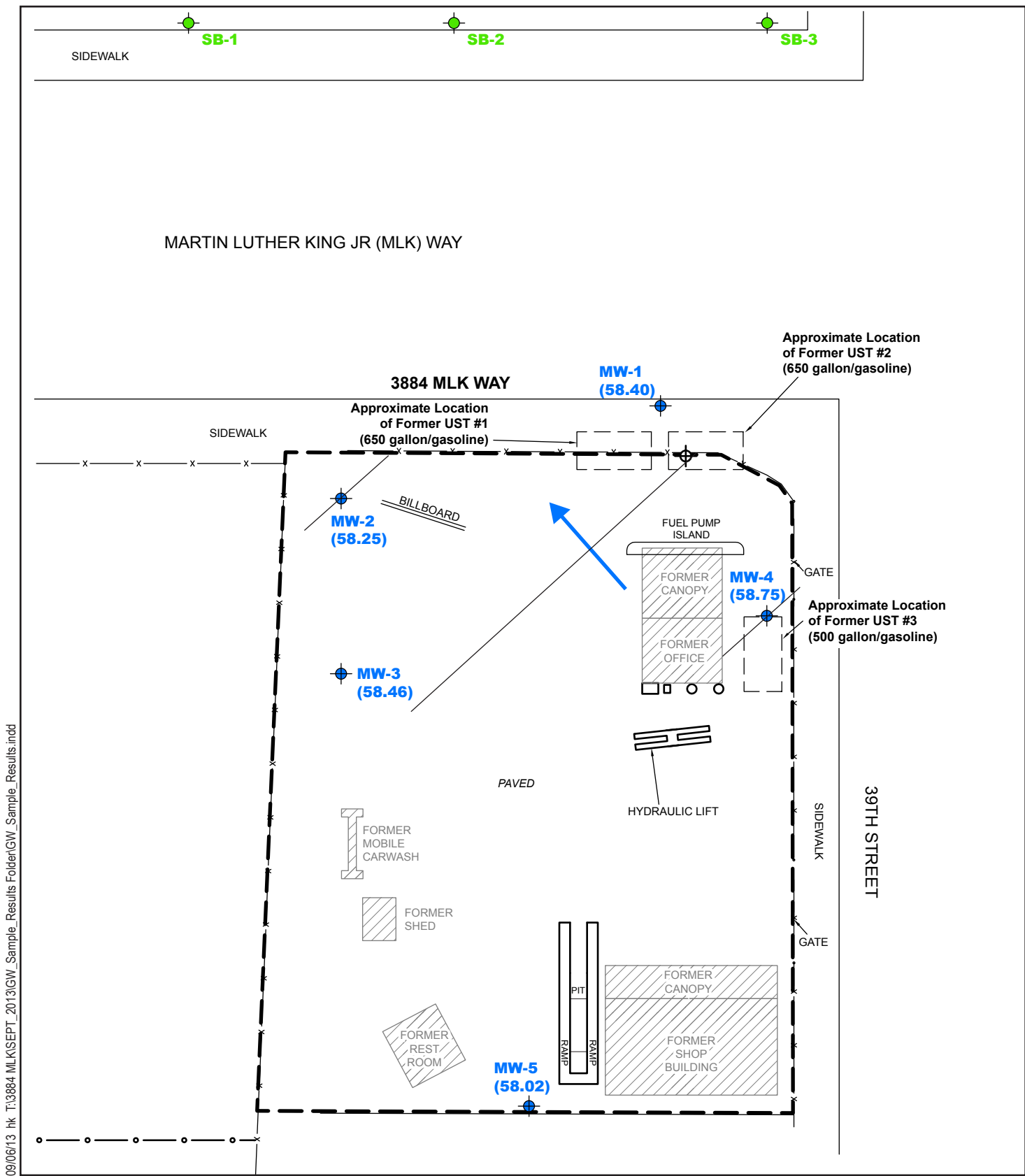


GRAB GROUNDWATER ANALYTICAL RESULTS (µg/L)

28068161 3884 Martin Luther King, Jr. Way
Oakland, California

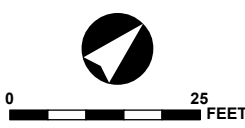


FIGURE 5



09/06/13 hk T:\3884 MLK\SEPT_2013\GW_Sample_Results\Folder\GW_Sample_Results.indd

- MW-1 (58.40)** Proposed Monitoring Well and Groundwater Elevation
- SB-1** Soil Boring (URS 2013)
- Interpreted Groundwater Flow Direction
Approximate Gradient = 0.02



GROUNDWATER ELEVATION CONTOUR MAP

28068161 3884 Martin Luther King, Jr. Way
Oakland, California



FIGURE 6

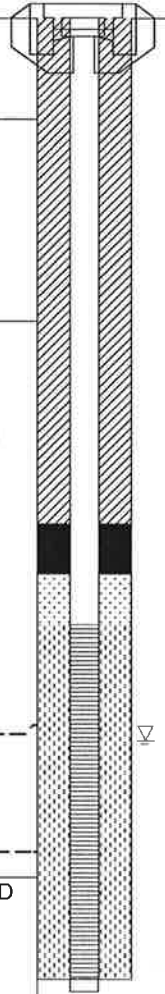
APPENDIX A
Boring Logs

BORING MW-1

SAMPLING			
DEPTH IN FEET	INCHES DRIVEN / RECOVERED	RESISTANCE (blows per foot)	PID READING (parts per million)
0			
2			
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			

SAMPLES

SYMBOL	DESCRIPTION
	Hand Auger to 6 ft. Top Soil
SW	Yellowish Brown (10YR 5/6) WELL GRADED SAND WITH GRAVEL, dry [FILL]
CL	Dark Yellowish Brown (10YR 4/6) SILTY CLAY, stiff, moist Grades to Greenish Gray (5GY 5/1), GRAVELLY CLAY WITH SILT, stiff, moist, hydrocarbon odor Grades to Yellowish Brown (10YR 5/4) Grades to Brownish Yellow (10YR 6/6) SILTY CLAY, medium stiff, moist
SC	Grades with gravel at 13.5 ft. Light Yellowish Brown (10YR 6/4) CLAYEY SAND, loose, wet
SM	Grades to SILTY SAND WITH CLAY
SM	Dark Reddish Brown (5YR 3/4) SILTY SAND WITH CLAY AND GRAVEL, loose, wet



Note:
1. End of boring at 20 ft. bgs.

09/13/13 bk T:\GIS\Project\3884_mlk_mws_modified.mxd

Job No: 28068161 Pt. ID: 3884_MLK_JUL13.GPJ	URS	3884 MLK	Log of Boring
Date Completed: 7/11/13 Boring Depth: 20 ft.	Driller: Vapor Tech Services Drilling Method: Direct Push Technology	Location: Oakland, CA	
Top of Casing Elev: ft. Casing Depth: ft.	Casing Type: _____ Casing Diam: in.	Screened Interval: - ft.	Slot Size: in. Sand Pack: _____

BORING MW-2

SAMPLING		
DEPTH IN FEET	INCHES DRIVEN / RECOVERED	RESISTANCE (blows per foot)
0		
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		
22		
24		

SAMPLES

SYMBOL	DESCRIPTION
	Soil at surface
CL	Very Dark Brown (7YR 2.5/2) SILTY CLAY, very stiff, moist to dry
CL	Brownish Yellow (10YR 6/6) SILTY CAY, very stiff, moist to dry, trace gravel Grades Light Yellowish Brown (10YR 6/2)
CL	Grades with gravel at 8.5 ft. Mottled Yellowish Brown (10YR 5/6) and Light Gray (N 7/1) SILTY CLAY, trace gravel, medium stiff, moist Grades soft
SC	Dark Reddish Brown (2.5YR 3/3) CLAYEY SAND, trace gravel, loose, wet Grades to GRAVELLY CLAYEY SAND
SC	Grades to Greenish Gray (5G 6/1) CLAYEY SAND, soft, wet, slight hydrocarbon odor Grades to GRAVELLY CLAY

Note:
1. End of boring at 20 ft. bgs.

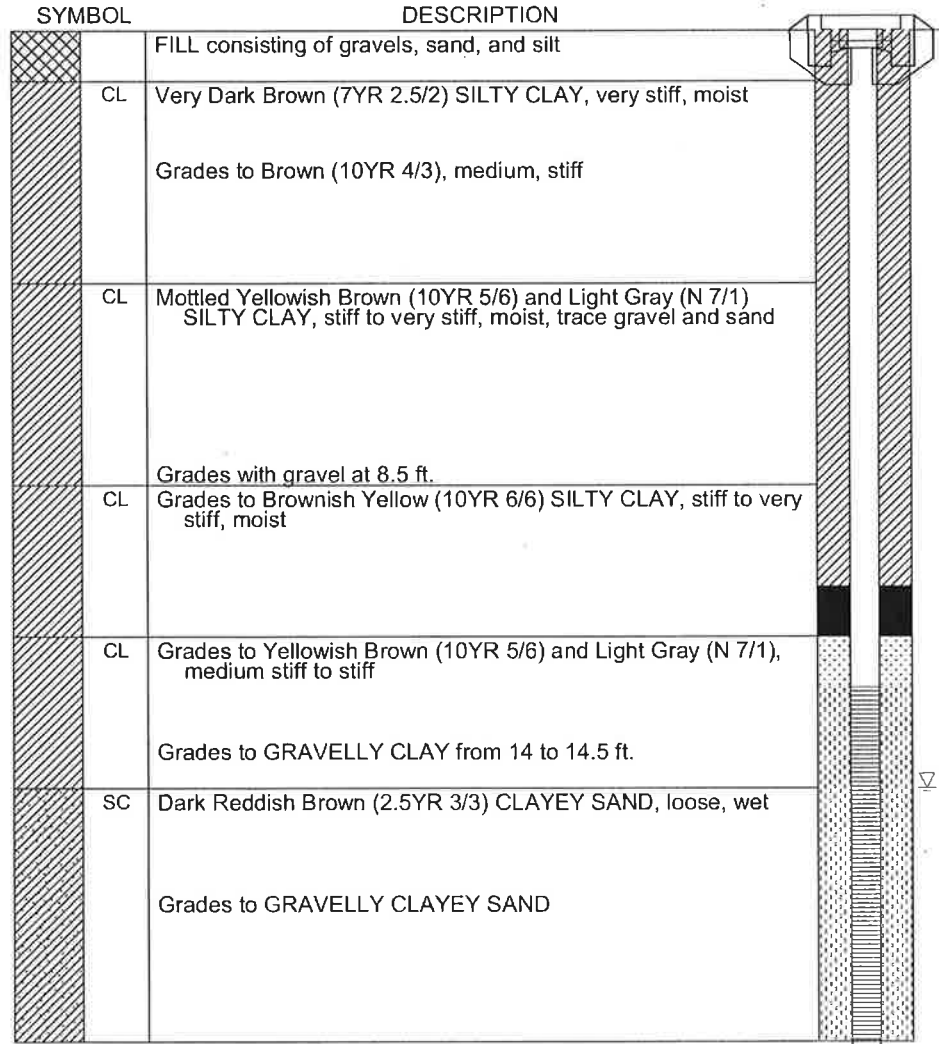
09/13/13 bk T:\Gint\Project\3884_mlk_mws_modified.indd

Job No: 28068161 Pt. ID: 3884_MLK_JUL13.GPJ	URS	3884 MLK	Log of Boring
Date Completed: 7/11/13 Boring Depth: 20 ft.	Driller: Vapor Tech Services Drilling Method: Direct Push Technology	Location: Oakland, CA	
Top of Casing Elev: ft. Casing Depth: ft.	Casing Type: Casing Diam: in.	Screened Interval: - ft.	Slot Size: in. Sand Pack:

BORING MW-3

SAMPLING			
DEPTH IN FEET	INCHES DRIVEN / RECOVERED	RESISTANCE (blows per foot)	PID READING (parts per million)
0			
2			
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			

SAMPLES



Note:
1. End of boring at 20 ft. bgs.

09/13/13 HK T:\Gint\Project\3884_mlk_mws_modified.indd

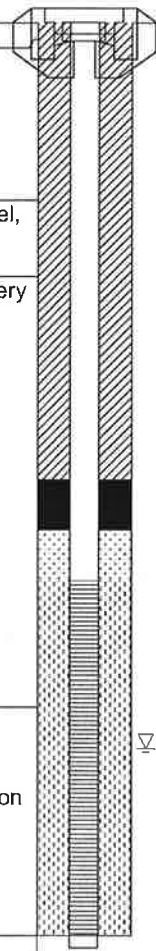
Job No: 28068161 Pt. ID: 3884_MLK_JUL13.GPJ	URS	3884 MLK	Log of Boring
Date Completed: 7/11/13 Boring Depth: 20 ft.	Driller: Vapor Tech Services Drilling Method: Direct Push Technology	Location: Oakland, CA	
Top of Casing Elev: ft. Casing Depth: ft.	Casing Type: Casing Diam: in.	Screened Interval: - ft.	Slot Size: in. Sand Pack:

BORING MW-4

SAMPLING		
DEPTH IN FEET	INCHES DRIVEN / RECOVERED	PID READING (parts per million)
0		
2		
4		
6		
8		
10		
12		
14		
16		
18		
20		
22		
24		

SAMPLES

SYMBOL	DESCRIPTION
CL	Concrete 4 inches Very Dark Brown (7.5YR 2.5/2) SILTY CLAY, very stiff, moist
CL	Dark Brown (10YR 3/3) SILTY CLAY WITH SAND, trace gravel, stiff, moist
CL	Greenish Gray (10GY 5.1) GRAVELLY SILTY CLAY, stiff to very stiff, moist Slight hydrocarbon odor at 6.5 ft.
CL	Grades to Dark Yellowish Brown (10YR 3/6)
CL	Mottled Brownish Yellow (10YR 6/6) and Light Gray (N 7/1) SILTY CLAY, trace fine sand, soft, moist to wet Small lens of GRAVELLY CLAY from 15.5 to 16 ft., hydrocarbon (gasoline) odor
SM	Dark Yellowish Brown (10YR 3/4) SILTY SAND WITH CLAY, loose, wet
CL	Mottled Brownish Yellow (10YR 6/6) and Light Gray (N 7/1) SILTY CLAY, stiff to medium stiff, moist to wet



Note:
1. End of boring at 20 ft. bgs.

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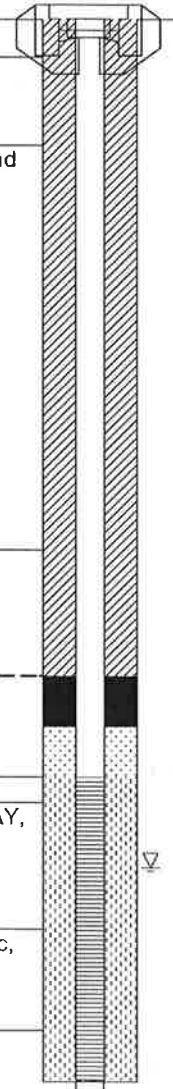
Job No: 28068161 Pt. ID: 3884_MLK_JUL13.GPJ	URS	3884 MLK	Log of Boring
Date Completed: 7/10/13 Boring Depth: 20 ft.	Driller: Vapor Tech Services Drilling Method: Direct Push Technology	Location: Oakland, CA	
Top of Casing Elev: ft. Casing Depth: ft.	Casing Type: Casing Diam: in.	Screened Interval: - ft.	Slot Size: in. Sand Pack:

BORING MW-5

SAMPLING			
DEPTH IN FEET	INCHES DRIVEN / RECOVERED	RESISTANCE (blows per foot)	PID READING (parts per million)
0			
2			
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			

SAMPLES

SYMBOL	DESCRIPTION
	FILL consisting of gravel and brick
CL	Very Dark Grayish Brown (10YR 3/2) SILTY CLAY, stiff, dry
CL	Light Yellowish Brown (10YR 6/4) SILTY CLAY, trace sand and gravel, very stiff, dry to moist
	Grades to GRAVELLY CLAY at 9 ft., gravels up to 1/2-inch
CL	Yellowish Brown (10YR 5/6) SILTY CLAY, stiff, moist
ML	Yellowish Brown (10YR 5/6) SILT WITH TRACE CLAY, slight plasticity, moist
CL	GRAVELLY CLAY lens from 15 to 15.5 ft.
SM	Yellowish Brown (10YR 5/6) SILTY SAND WITH TRACE CLAY, loose, wet
ML	Grades to Light Gray (N 7/1) SILT WITH CLAY, slightly plastic, moist to wet



09/13/13 bk T:\Gm\Project\3884_mlk_mws_modified.mxd

Job No: 26068161 Pt. ID: 3884_MLK_JUL13.GPJ	URS	3884 MLK	Log of Boring
Date Completed: 7/10/13 Boring Depth: 20 ft.	Driller: Vapor Tech Services Drilling Method: Direct Push Technology	Location: Oakland, CA	
Top of Casing Elev: ft. Casing Depth: ft.	Casing Type: Casing Diam: in.	Screened Interval: - ft.	Slot Size: in. Sand Pack:

APPENDIX C
Groundwater Sampling Logs



1 Montgomery St., Suite 900
 San Francisco, CA 94104
 415.896.5858 Fax 415.882.9261

SAMPLING LOG SHEET

WELL SAMPLING

SITE NAME AND ADDRESS	JOB NUMBER	DATE
3884 Martin Luther King Jr. Oakland, Ca		9/18/13

WELL NUMBER
MW-5

WELL / WATER STATUS	
DEPTH TO WATER (FROM TOP OF PVC) 16.89	WELL DIAMETER 2"
DEPTH TO OIL N/A	OIL SHEEN? (YES/NO) NO
TOTAL DEPTH OF WELL	WATER COLOR & ODOR; GENERAL WATER CONDITION Clear, No odor Well in good cond.
IS WELL LOCKED? (YES/NO) No	
IS THERE A WELL CAP? (YES/NO) Yes	
REMARKS: (Weather/Area? Ground surface/Nearby activities/Etc.)	Overcast ~ 65°F

FIELD READINGS									
METHOD: LF <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>									
TIME	WATER LEVEL (feet)	PURGE RATE: (mL/min)	VOLUME PURGED (L)	TEMP. °C	CONDUCT. at 25 C (µs/cm)	D.O. (mg/L)	pH	REDOX POTENTIAL (mV)	TURBIDITY (NTU)
0842	16.89	180 ml/min	580 mL	17.3	848	5.60	6.54	85.8	156.2
0847	17.64	180 ml/min	1.2 L	17.1	836	5.74	6.58	87.1	61.9
0850	17.91	180 ml/min	1.4 L	17.0	833	5.83	6.59	81.3	58.3
0852	17.89	180 mL/min	1.6 L	17.0	837	6.07	6.60	78.8	32.5
0854	17.92	180 ml/min	1.8 L	17.1	841	6.12	6.63	78.7	27.6
0856	17.89	180 ml/min	2.0 L	17.1	843	6.12	6.61	78.3	30.0
0858	17.92	180 ml/min	2.2	17.1	845	6.17	6.63	78.2	26.9

SAMPLE TAKEN	
TIME: 0900	WATER LEVEL: 17.92
OTHER NOTES:	



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SAMPLING LOG SHEET

WELL SAMPLING

SITE NAME AND ADDRESS	JOB NUMBER	DATE
3884 MLK		7/18/13

WELL NUMBER
MW-3

WELL / WATER STATUS	
DEPTH TO WATER (FROM TOP OF PVC) 15.08	WELL DIAMETER 2"
DEPTH TO OIL N/A	OIL SHEEN? (YES/NO) NO
TOTAL DEPTH OF WELL	WATER COLOR & ODOR; GENERAL WATER CONDITION Clear, No odor Well in good cond.
IS WELL LOCKED? (YES/NO) NO	
IS THERE A WELL CAP? (YES/NO) Yes	
REMARKS: (Weather/Area? Ground surface/Nearby activities/Etc.)	Sunny to overcast, turning off 72°F

FIELD READINGS									
METHOD: LF <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>									
TIME	WATER LEVEL (feet)	PURGE RATE: (mL/min)	VOLUME PURGED (L)	TEMP. °C	CONDUCT. at 25 C (µs/cm)	D.O. (mg/L)	pH	REDOX POTENTIAL (mV)	TURBIDITY (NTU)
0935	15.56	150 mL/m	2.00L	18.7	827	5.34	6.53	80.9	0.2*
0938	15.56	150 mL/m	0.5L	18.7	813	5.23	6.49	77.2	1.4
0940	15.61	150 mL/m	0.8L	18.6	806	5.12	6.49	75.6	4.6
0942	15.60	150 mL/m	1.0L	18.7	802	5.27	6.49	74.7	5.7
0944	15.62	150 mL/m	1.3L	18.7	800	5.22	6.49	73.7	6.7
0946	15.63	150 mL/m	1.6L	18.7	801	5.22	6.50	72.7	6.9
0959	15.64	150 mL/m	3.1L	18.7	799	5.36	6.52	71.9	6.8

SAMPLE TAKEN	
TIME: 10.00	WATER LEVEL: 16.64
OTHER NOTES: * possible issue w/ turb meter, H ₂ O clear but NTU seems low	



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SAMPLING LOG SHEET

WELL SAMPLING

SITE NAME AND ADDRESS	JOB NUMBER	DATE
3884 MLIC		7/10/13

WELL NUMBER
MW-2

WELL / WATER STATUS	
DEPTH TO WATER (FROM TOP OF PVC) 14.90	WELL DIAMETER 2"
DEPTH TO OIL N/A	OIL SHEEN? (YES/NO) NO
TOTAL DEPTH OF WELL	WATER COLOR & ODOR; GENERAL WATER CONDITION Clear, No odor Well in good cond
IS WELL LOCKED? (YES/NO) NO	
IS THERE A WELL CAP? (YES/NO) Yes	
REMARKS: (Weather/Area? Ground surface/Nearby activities/Etc.)	Sunny, clear Slt breeze to NE.

FIELD READINGS									
METHOD: LF <input type="checkbox"/> STANDARD <input type="checkbox"/>									
TIME	WATER LEVEL (feet)	PURGE RATE: (mL/min)	VOLUME PURGED (L)	TEMP. °C	CONDUCT. at 25 C (µs/cm)	D.O. (mg/L)	pH	REDOX POTENTIAL (mV)	TURBIDITY (NTU)
02151010	15.01	100 mL/m	200 mL	18.6	898	3.68	6.59	49.4	0.2 NTU*
1012	15.04	100 mL/m	400 mL	18.7	895	3.47	6.59	49.2	0.2
1017	15.04	100 mL/m	700 mL	18.7	896	3.38	6.60	49.6	2.0
1022 1022	15.07	100 mL/m	1.2 L	18.7	898	3.40	6.61	50.1	1.2
1025	15.10	100 mL/m	1.5 L	18.7	900	3.47	6.62	51.1	0.5
1028	15.08	100 mL/m	1.8 L	18.7	902	3.66	6.63	51.3	0.9
1029	15.09	100 mL/m	2.0 L	18.7	901	3.63	6.62	51.2	0.9

SAMPLE TAKEN	
TIME: 1030	WATER LEVEL: 15.06
OTHER NOTES: Turbidity meter not working very well?	



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SAMPLING LOG SHEET

WELL SAMPLING

SITE NAME AND ADDRESS	JOB NUMBER	DATE
3884 MLK		7/18/13

WELL NUMBER
MW-4

WELL / WATER STATUS	
DEPTH TO WATER (FROM TOP OF PVC) 14.42	WELL DIAMETER 2"
DEPTH TO OIL N/A	OIL SHEEN? (YES/NO) NO
TOTAL DEPTH OF WELL	WATER COLOR & ODOR; GENERAL WATER CONDITION Clear, No odor Slight odor when Sample Well in good cond.
IS WELL LOCKED? (YES/NO) NO	
IS THERE A WELL CAP? (YES/NO) Yes	
REMARKS: (Weather/Area? Ground surface/Nearby activities/Etc.)	Sunny 76°F, SLt Breeze to NE

FIELD READINGS									
METHOD: LF <input type="checkbox"/> STANDARD <input type="checkbox"/>									
TIME	WATER LEVEL (feet)	PURGE RATE: (mL/min)	VOLUME PURGED (L)	TEMP. °C	CONDUCT. at 25 C (µs/cm)	D.O. (mg/L)	pH	REDOX POTENTIAL (mV)	TURBIDITY (NTU)
1045	15.18	100 mL/m	0.2 L	20.3 20.36	1341	3.78	6.38	2.0	22.1*
1048	15.28	100 mL/m	0.7 L	20.4	1409	3.90	6.43	16.9	37.1
1051	15.31	100 mL/m	1.0 L	20.4	1448	4.54	6.44	22.4	29.1
1056	15.30	100 mL/m	1.5 L	20.4	1451	4.73	6.43	24.6	24.7
1102	15.31	100 mL/m	2.1 L	20.5	1436	4.21	6.46	24.9	19.3
1107	15.33	100 mL/m	2.6 L	20.5	1439	4.22	6.42	25.0	18.6
1109	15.32	100 mL/m	2.8 L	20.5	1438	4.21	6.44	25.1	17.24

SAMPLE TAKEN	
TIME: 1110	WATER LEVEL: 15.30
OTHER NOTES: Dup taken @ 1115; Sample ID: MW-40	

* Turb. meter behaving strangely



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SAMPLING LOG SHEET

WELL SAMPLING

SITE NAME AND ADDRESS	JOB NUMBER	DATE
3884		7/18/13

WELL NUMBER
MW-1

WELL / WATER STATUS		
DEPTH TO WATER (FROM TOP OF PVC) 14.43	WELL DIAMETER 2"	
DEPTH TO OIL N/A	OIL SHEEN? (YES/NO)	
TOTAL DEPTH OF WELL	WATER COLOR & ODOR; GENERAL WATER CONDITION	Water is clear, Odor - Gasoline Well in good cond.
IS WELL LOCKED? (YES/NO) No		
IS THERE A WELL CAP? (YES/NO) YES		
REMARKS: (Weather/Area? Ground surface/Nearby activities/Etc.)	Sunny clear breeze to E	

FIELD READINGS

METHOD: LF STANDARD

TIME	WATER LEVEL (feet)	PURGE RATE: (mL/min)	VOLUME PURGED (L)	TEMP. °C	CONDUCT. at 25 C (µs/cm)	D.O. (mg/L)	pH	REDOX POTENTIAL (mV)	TURBIDITY (NTU)
1143	14.57	100 mL/m	200 mL	20.3 ^{flur}	1073	5.64	6.31	62.4	15.9 ^u
1149	14.90	100 mL/m	600 mL	20.2	1184	5.70	6.32	63.6	15.1
1152	15.02	100 mL/m	900 mL	20.2	1081	5.97	6.34	64.8	11.5
1155	15.04	100 mL/m	1.3L	20.1	1104	5.69	6.33	61.8	12.6
1158	15.04	100 mL/m	1.6L	20.1	1126	5.71	6.34	61.9	11.7
1202	15.09	100 mL/m	2.0L	20.0	1134	5.68	6.34	61.2	12.6
1204	15.11	100 mL/m	2.2L	20.0	1129	5.74	6.35	63.4	12.6

SAMPLE TAKEN

TIME: 1205	WATER LEVEL: 15.32 @ 1220
------------	---------------------------

OTHER NOTES: Turbidity meter not working. Strange readings.

APPENDIX B
LABORATORY ANALYTICAL REPORTS AND
URS VALIDATION REPORTS

LEVEL III Data Validation Report

PROJECT: MLK/Oakland

LABORATORY: Test America, Pleasanton, CA

LAB NUMBER: 720-50787

SAMPLES: SB-5-12, SB-5-15, SB-5-20, SB-11-12, SB-11-15, SB-11-20, SB-6-12, SB-6-15, SB-6-20, SB-6-16, TAL-SB-TB, SB-7-12, FD-1-12, SB-7-15, SB-7-20, SB-9-20, FD-2-20, SB-9-15, SB-9-18, SB-9-12

MATRIX: Soil

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	Note 1
MS/MSD (SB-9-20)	✓
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates (SB-7-12 and FD-1-12; FD-2-20 and SB-9-20)	✓
Trip Blanks	✓
Reporting Limits	Note 2

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

- Notes:
- In the case of sample SB-9-15, the surrogate 4-Bromofluoro benzene (4-BFB) had zero recovery and all non-detects for the undiluted run were rejected as not usable and flagged "R." Reported concentrations were flagged "J," estimated.
 - In order to quantitate target analytes, the following dilutions were required:

Sample	Dilution Factor	Comments(s)
SB-15-12	100	Only Benzene and Ethylbenzene
SB-6-16	1000	
SB-7-15	1000	
SB-9-15	100	Only GRO
SB-9-18	100	

Reporting limits were increased by the same factor as the dilutions.

Summary:

Non-detects of 1,2-Dichloroethane and cis-1,2-Dichloroethene were rejected as not usable due to the failure of the surrogate 4-Bromofluorobenzene in the non-diluted run. All reported concentrations were flagged "J," estimated. All results not flagged "R" are usable as qualified.

LEVEL III Data Validation Report

PROJECT: MLK/Oakland
LABORATORY: Test America, Pleasanton, CA
LAB NUMBER: 720-50856
SAMPLES: SB-11, SB-5, TAL-SF-TB, SB-6, SB-90
MATRIX: Water

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	✓
MS/MSD	NA
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates (SB-6 and SB-90; SB-7 and SB-91)	Note 1
Trip Blanks	✓
Reporting Limits	Note 2

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

Notes: 1. Discrepancies were noted for the duplicate pair SB-7 and SB-91, as shown below:

Analyte	Concentration (µg/L)		RPD (%)
	SB-7	SB-91	
Benzene	14	5.2	91.6
Ethylbenzene	24	6.8	112
Napthalene	9.3	2.5	115
Toluene	4.1	2.4	52.3
Xylenes	37	11	117
GRO	620	110	140

Reported concentrations of these analytes were flagged "J," estimated in both samples. It is recommended that the mean value be used in the database.

2. In order to quantitate target analytes, samples SB-6 and SB-90 were diluted by factors of 100. Reporting limits were increased by the same factor.

Summary:

Based on this Level III validation, these data are usable, as qualified, for their intended purpose. None of these data were rejected.

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: 720-50787-1
Client Project/Site: 3884 MLK/Oakland

For:
URS Corporation
One Montgomery Street
Suite 900
San Francisco, California 94104-4538

Attn: Mr. Des Garner



Authorized for release by:
7/18/2013 4:29:58 PM

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





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Case Narrative

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Job ID: 720-50787-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-50787-1

Comments

No additional comments.

Receipt

The samples were received on 7/9/2013 7:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3° C.

Except:

The Chain-of-Custody (COC) was not properly filled out. Samples: SB-9-20, FD-2-20, SB-9-15, SB-9-18, SB-9-12 are stated as water samples on COC, but are really terracores.

GC/MS VOA

Method(s) 8260B: Surrogate recovery for the following sample 50787-24 was outside control limits. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.



Definitions/Glossary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5-12

Lab Sample ID: 720-50787-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	1000		430		ug/Kg	100			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	560		430		ug/Kg	100			8260B/CA_LUFT MS	Total/NA
Toluene	13		4.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	2600		210		ug/Kg	1			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-5-15

Lab Sample ID: 720-50787-2

No Detections.

Client Sample ID: SB-5-20

Lab Sample ID: 720-50787-3

No Detections.

Client Sample ID: SB-11-12

Lab Sample ID: 720-50787-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	80		4.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	55		4.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	790		210		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Naphthalene	8.9		8.5		ug/Kg	1			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-11-15

Lab Sample ID: 720-50787-5

No Detections.

Client Sample ID: SB-11-20

Lab Sample ID: 720-50787-6

No Detections.

Client Sample ID: SB-11

Lab Sample ID: 720-50787-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	3.6		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	2.0		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	9.9		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Naphthalene	2.6		1.0		ug/L	1			8260B/CA_LUFT MS	Total/NA
Toluene	8.0		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Xylenes, Total	30		1.0		ug/L	1			8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	260		50		ug/L	1			8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5

Lab Sample ID: 720-50787-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	13		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	1.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	13		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	1.7		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	4.7		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	38		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	200		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-6-12

Lab Sample ID: 720-50787-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.6		4.3		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	9.2		8.7		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	780		220		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-6-15

Lab Sample ID: 720-50787-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		4.1		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	330		4.1		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	7.6		4.1		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	29		8.3		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	4800		210		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	13		8.3		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-6-20

Lab Sample ID: 720-50787-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.6		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	14		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	34		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	78		7.6		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	650		190		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-16

Lab Sample ID: 720-50787-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4600		3900		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	1400000		190000		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	32000		3900		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Toluene	70000		3900		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	180000		7700		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Naphthalene	10000		7700		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50787-13

No Detections.

Client Sample ID: SB-7-12

Lab Sample ID: 720-50787-14

No Detections.

Client Sample ID: FD-1-12

Lab Sample ID: 720-50787-15

No Detections.

Client Sample ID: SB-7-15

Lab Sample ID: 720-50787-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	420		390		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	77000		20000		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	1300		390		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	2800		790		ug/Kg	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-7-20

Lab Sample ID: 720-50787-17

No Detections.

Client Sample ID: SB-6

Lab Sample ID: 720-50787-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5100		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2600		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	980		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Toluene	17000		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	23000		100		ug/L	100		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6 (Continued)

Lab Sample ID: 720-50787-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	150000		5000		ug/L	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-90

Lab Sample ID: 720-50787-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5300		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	2500		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	820		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Toluene	18000		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	22000		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	120000		5000		ug/L	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-7

Lab Sample ID: 720-50787-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	14		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	0.78		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	24		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	9.3		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	4.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	37		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	620		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-91

Lab Sample ID: 720-50787-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.2		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	6.8		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	2.5		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	2.4		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	11		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	110		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-9-20

Lab Sample ID: 720-50787-22

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: FD-2-20

Lab Sample ID: 720-50787-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	4.2		4.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-9-15

Lab Sample ID: 720-50787-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	130		4.1		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	48		4.1		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Toluene	7.6		4.1		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Xylenes, Total	340		8.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA
Naphthalene	110		8.2		ug/Kg	1			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-9-18

Lab Sample ID: 720-50787-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	1400		400		ug/Kg	100			8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	27000		20000		ug/Kg	100			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	790		400		ug/Kg	100			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-9-12

Lab Sample ID: 720-50787-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	230		220		ug/Kg	1			8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5-12

Lab Sample ID: 720-50787-1

Date Collected: 07/09/13 08:30

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1000		430		ug/Kg		07/09/13 22:00	07/13/13 11:54	100
Ethylbenzene	560		430		ug/Kg		07/09/13 22:00	07/13/13 11:54	100
Toluene	13		4.2		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
Xylenes, Total	ND		8.3		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
Gasoline Range Organics (GRO)	2600		210		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
Naphthalene	ND		8.3		ug/Kg		07/09/13 22:00	07/10/13 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131				07/09/13 22:00	07/10/13 22:29	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				07/09/13 22:00	07/10/13 22:29	1
4-Bromofluorobenzene	104		66 - 148				07/09/13 22:00	07/13/13 11:54	100
1,2-Dichloroethane-d4 (Surr)	96		62 - 137				07/09/13 22:00	07/13/13 11:54	100
Toluene-d8 (Surr)	99		58 - 140				07/09/13 22:00	07/10/13 22:29	1
Toluene-d8 (Surr)	96		65 - 141				07/09/13 22:00	07/13/13 11:54	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5-15

Lab Sample ID: 720-50787-2

Date Collected: 07/09/13 08:40

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Ethylbenzene	ND		4.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Toluene	ND		4.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Xylenes, Total	ND		8.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
-C5-C12									
1,2-Dichloroethane	ND		4.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Naphthalene	ND		8.1		ug/Kg		07/09/13 22:00	07/10/13 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	76		45 - 131				07/09/13 22:00	07/10/13 22:58	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 140				07/09/13 22:00	07/10/13 22:58	1
Toluene-d8 (Surr)	89		58 - 140				07/09/13 22:00	07/10/13 22:58	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5-20

Lab Sample ID: 720-50787-3

Date Collected: 07/09/13 08:45

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Ethylbenzene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Toluene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Xylenes, Total	ND		8.4		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Naphthalene	ND		8.4		ug/Kg		07/09/13 22:00	07/10/13 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	73		45 - 131				07/09/13 22:00	07/10/13 23:27	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 140				07/09/13 22:00	07/10/13 23:27	1
Toluene-d8 (Surr)	84		58 - 140				07/09/13 22:00	07/10/13 23:27	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-11-12

Lab Sample ID: 720-50787-4

Date Collected: 07/09/13 11:00

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	80		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Ethylbenzene	55		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Toluene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Xylenes, Total	ND		8.5		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Gasoline Range Organics (GRO)	790		210		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Naphthalene	8.9		8.5		ug/Kg		07/09/13 22:00	07/10/13 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		45 - 131				07/09/13 22:00	07/10/13 23:56	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 140				07/09/13 22:00	07/10/13 23:56	1
Toluene-d8 (Surr)	89		58 - 140				07/09/13 22:00	07/10/13 23:56	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-11-15

Lab Sample ID: 720-50787-5

Date Collected: 07/09/13 11:15

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.3		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Ethylbenzene	ND		3.3		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Toluene	ND		3.3		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Xylenes, Total	ND		6.6		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Gasoline Range Organics (GRO)	ND		170		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
-C5-C12									
1,2-Dichloroethane	ND		3.3		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
cis-1,2-Dichloroethene	ND		3.3		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Naphthalene	ND		6.6		ug/Kg		07/09/13 22:00	07/11/13 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	72		45 - 131				07/09/13 22:00	07/11/13 00:25	1
1,2-Dichloroethane-d4 (Surr)	120		60 - 140				07/09/13 22:00	07/11/13 00:25	1
Toluene-d8 (Surr)	84		58 - 140				07/09/13 22:00	07/11/13 00:25	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-11-20

Lab Sample ID: 720-50787-6

Date Collected: 07/09/13 11:20

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.7		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Ethylbenzene	ND		3.7		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Toluene	ND		3.7		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Xylenes, Total	ND		7.4		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Gasoline Range Organics (GRO)	ND		180		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
-C5-C12									
1,2-Dichloroethane	ND		3.7		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Naphthalene	ND		7.4		ug/Kg		07/09/13 22:00	07/11/13 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	65		45 - 131				07/09/13 22:00	07/11/13 00:53	1
1,2-Dichloroethane-d4 (Surr)	115		60 - 140				07/09/13 22:00	07/11/13 00:53	1
Toluene-d8 (Surr)	82		58 - 140				07/09/13 22:00	07/11/13 00:53	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-11

Lab Sample ID: 720-50787-7

Date Collected: 07/09/13 10:30

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.6		0.50		ug/L			07/12/13 00:16	1
1,2-Dichloroethane	2.0		0.50		ug/L			07/12/13 00:16	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 00:16	1
Ethylbenzene	9.9		0.50		ug/L			07/12/13 00:16	1
Naphthalene	2.6		1.0		ug/L			07/12/13 00:16	1
Toluene	8.0		0.50		ug/L			07/12/13 00:16	1
Xylenes, Total	30		1.0		ug/L			07/12/13 00:16	1
Gasoline Range Organics (GRO) -C6-C12	260		50		ug/L			07/12/13 00:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		67 - 130					07/12/13 00:16	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 138					07/12/13 00:16	1
Toluene-d8 (Surr)	102		70 - 130					07/12/13 00:16	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5

Lab Sample ID: 720-50787-8

Date Collected: 07/09/13 11:20

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13		0.50		ug/L			07/12/13 00:44	1
1,2-Dichloroethane	1.3		0.50		ug/L			07/12/13 00:44	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 00:44	1
Ethylbenzene	13		0.50		ug/L			07/12/13 00:44	1
Naphthalene	1.7		1.0		ug/L			07/12/13 00:44	1
Toluene	4.7		0.50		ug/L			07/12/13 00:44	1
Xylenes, Total	38		1.0		ug/L			07/12/13 00:44	1
Gasoline Range Organics (GRO)	200		50		ug/L			07/12/13 00:44	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130		07/12/13 00:44	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 138		07/12/13 00:44	1
Toluene-d8 (Surr)	104		70 - 130		07/12/13 00:44	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-12

Lab Sample ID: 720-50787-9

Date Collected: 07/09/13 12:55

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.3		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Ethylbenzene	7.6		4.3		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Toluene	ND		4.3		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Xylenes, Total	9.2		8.7		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Gasoline Range Organics (GRO)	780		220		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
-C5-C12									
1,2-Dichloroethane	ND		4.3		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Naphthalene	ND		8.7		ug/Kg		07/09/13 22:00	07/11/13 01:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		45 - 131				07/09/13 22:00	07/11/13 01:22	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				07/09/13 22:00	07/11/13 01:22	1
Toluene-d8 (Surr)	101		58 - 140				07/09/13 22:00	07/11/13 01:22	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-15

Lab Sample ID: 720-50787-10

Date Collected: 07/09/13 13:00

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	180		4.1		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Ethylbenzene	330		4.1		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Toluene	7.6		4.1		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Xylenes, Total	29		8.3		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Gasoline Range Organics (GRO)	4800		210		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
-C5-C12									
1,2-Dichloroethane	ND		4.1		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Naphthalene	13		8.3		ug/Kg		07/09/13 22:00	07/11/13 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		45 - 131				07/09/13 22:00	07/11/13 01:51	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				07/09/13 22:00	07/11/13 01:51	1
Toluene-d8 (Surr)	108		58 - 140				07/09/13 22:00	07/11/13 01:51	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-20

Lab Sample ID: 720-50787-11

Date Collected: 07/09/13 13:05

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.6		3.8		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Ethylbenzene	14		3.8		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Toluene	34		3.8		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Xylenes, Total	78		7.6		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Gasoline Range Organics (GRO)	650		190		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
-C5-C12									
1,2-Dichloroethane	ND		3.8		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Naphthalene	ND		7.6		ug/Kg		07/09/13 22:00	07/11/13 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131				07/09/13 22:00	07/11/13 02:20	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 140				07/09/13 22:00	07/11/13 02:20	1
Toluene-d8 (Surr)	105		58 - 140				07/09/13 22:00	07/11/13 02:20	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-16

Lab Sample ID: 720-50787-12

Date Collected: 07/09/13 13:20

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4600		3900		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Gasoline Range Organics (GRO) -C5-C12	1400000		190000		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Ethylbenzene	32000		3900		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Toluene	70000		3900		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Xylenes, Total	180000		7700		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
1,2-Dichloroethane	ND		3900		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
cis-1,2-Dichloroethene	ND		3900		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Naphthalene	10000		7700		ug/Kg		07/09/13 22:00	07/13/13 20:34	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		66 - 148				07/09/13 22:00	07/13/13 20:34	1000
1,2-Dichloroethane-d4 (Surr)	85		62 - 137				07/09/13 22:00	07/13/13 20:34	1000
Toluene-d8 (Surr)	98		65 - 141				07/09/13 22:00	07/13/13 20:34	1000

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50787-13

Date Collected: 07/09/13 00:00

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/11/13 21:58	1
1,2-Dichloroethane	ND		0.50		ug/L			07/11/13 21:58	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/11/13 21:58	1
Ethylbenzene	ND		0.50		ug/L			07/11/13 21:58	1
Naphthalene	ND		1.0		ug/L			07/11/13 21:58	1
Toluene	ND		0.50		ug/L			07/11/13 21:58	1
Xylenes, Total	ND		1.0		ug/L			07/11/13 21:58	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/11/13 21:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130					07/11/13 21:58	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 138					07/11/13 21:58	1
Toluene-d8 (Surr)	101		70 - 130					07/11/13 21:58	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-7-12

Lab Sample ID: 720-50787-14

Date Collected: 07/09/13 14:40

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.9		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Ethylbenzene	ND		3.9		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Toluene	ND		3.9		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Xylenes, Total	ND		7.8		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		190		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
1,2-Dichloroethane	ND		3.9		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Naphthalene	ND		7.8		ug/Kg		07/09/13 19:20	07/12/13 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				07/09/13 19:20	07/12/13 22:27	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 140				07/09/13 19:20	07/12/13 22:27	1
Toluene-d8 (Surr)	98		58 - 140				07/09/13 19:20	07/12/13 22:27	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: FD-1-12

Lab Sample ID: 720-50787-15

Date Collected: 07/09/13 14:30

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.3		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Ethylbenzene	ND		4.3		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Toluene	ND		4.3		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Xylenes, Total	ND		8.6		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
-C5-C12									
1,2-Dichloroethane	ND		4.3		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Naphthalene	ND		8.6		ug/Kg		07/09/13 19:20	07/12/13 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		45 - 131				07/09/13 19:20	07/12/13 22:56	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 140				07/09/13 19:20	07/12/13 22:56	1
Toluene-d8 (Surr)	96		58 - 140				07/09/13 19:20	07/12/13 22:56	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-7-15

Lab Sample ID: 720-50787-16

Date Collected: 07/09/13 14:45

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	420		390		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
Gasoline Range Organics (GRO)	77000		20000		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
-C5-C12									
Ethylbenzene	1300		390		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
Toluene	ND		390		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
Xylenes, Total	2800		790		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
1,2-Dichloroethane	ND		390		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
cis-1,2-Dichloroethene	ND		390		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
Naphthalene	ND		790		ug/Kg		07/09/13 22:00	07/13/13 18:42	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		66 - 148				07/09/13 22:00	07/13/13 18:42	100
1,2-Dichloroethane-d4 (Surr)	83		62 - 137				07/09/13 22:00	07/13/13 18:42	100
Toluene-d8 (Surr)	96		65 - 141				07/09/13 22:00	07/13/13 18:42	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-7-20

Lab Sample ID: 720-50787-17

Date Collected: 07/09/13 14:35

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
Ethylbenzene	ND		4.0		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
Toluene	ND		4.0		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
Xylenes, Total	ND		8.1		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
-C5-C12									
1,2-Dichloroethane	ND		4.0		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		07/09/13 19:20	07/12/13 23:24	1
Naphthalene	ND		8.1		ug/Kg		07/09/13 19:20	07/12/13 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131	07/09/13 19:20	07/12/13 23:24	1
1,2-Dichloroethane-d4 (Surr)	83		60 - 140	07/09/13 19:20	07/12/13 23:24	1
Toluene-d8 (Surr)	96		58 - 140	07/09/13 19:20	07/12/13 23:24	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6

Lab Sample ID: 720-50787-18

Date Collected: 07/09/13 15:00

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5100		50		ug/L			07/12/13 04:26	100
1,2-Dichloroethane	ND		50		ug/L			07/12/13 04:26	100
cis-1,2-Dichloroethene	ND		50		ug/L			07/12/13 04:26	100
Ethylbenzene	2600		50		ug/L			07/12/13 04:26	100
Naphthalene	980		100		ug/L			07/12/13 04:26	100
Toluene	17000		50		ug/L			07/12/13 04:26	100
Xylenes, Total	23000		100		ug/L			07/12/13 04:26	100
Gasoline Range Organics (GRO)	150000		5000		ug/L			07/12/13 04:26	100
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		67 - 130		07/12/13 04:26	100
1,2-Dichloroethane-d4 (Surr)	117		75 - 138		07/12/13 04:26	100
Toluene-d8 (Surr)	104		70 - 130		07/12/13 04:26	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-90

Lab Sample ID: 720-50787-19

Date Collected: 07/09/13 15:05

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5300		50		ug/L			07/12/13 03:03	100
1,2-Dichloroethane	ND		50		ug/L			07/12/13 03:03	100
cis-1,2-Dichloroethene	ND		50		ug/L			07/12/13 03:03	100
Ethylbenzene	2500		50		ug/L			07/12/13 03:03	100
Naphthalene	820		100		ug/L			07/12/13 03:03	100
Toluene	18000		50		ug/L			07/12/13 03:03	100
Xylenes, Total	22000		100		ug/L			07/12/13 03:03	100
Gasoline Range Organics (GRO) -C5-C12	120000		5000		ug/L			07/12/13 03:03	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		67 - 130					07/12/13 03:03	100
1,2-Dichloroethane-d4 (Surr)	112		75 - 138					07/12/13 03:03	100
Toluene-d8 (Surr)	101		70 - 130					07/12/13 03:03	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-91

Lab Sample ID: 720-50787-21

Date Collected: 07/09/13 15:35

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.2	J	0.50		ug/L			07/12/13 01:12	1
1,2-Dichloroethane	ND		0.50		ug/L			07/12/13 01:12	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 01:12	1
Ethylbenzene	6.8	J	0.50		ug/L			07/12/13 01:12	1
Naphthalene	2.5	J	1.0		ug/L			07/12/13 01:12	1
Toluene	2.4	J	0.50		ug/L			07/12/13 01:12	1
Xylenes, Total	11	J	1.0		ug/L			07/12/13 01:12	1
Gasoline Range Organics (GRO) -C5-C12	110	J	50		ug/L			07/12/13 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130		07/12/13 01:12	1
1,2-Dichloroethane-d4 (Surr)	114		75 - 138		07/12/13 01:12	1
Toluene-d8 (Surr)	101		70 - 130		07/12/13 01:12	1



Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-7

Lab Sample ID: 720-50787-20

Date Collected: 07/09/13 15:30

Matrix: Water

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	14	J	0.50		ug/L			07/12/13 17:46	1
1,2-Dichloroethane	0.78		0.50		ug/L			07/12/13 17:46	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 17:46	1
Ethylbenzene	24	J	0.50		ug/L			07/12/13 17:46	1
Naphthalene	9.3	J	1.0		ug/L			07/12/13 17:46	1
Toluene	4.1	J	0.50		ug/L			07/12/13 17:46	1
Xylenes, Total	37	J	1.0		ug/L			07/12/13 17:46	1
Gasoline Range Organics (GRO) -C5-C12	620	J	50		ug/L			07/12/13 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		67 - 130		07/12/13 17:46	1
1,2-Dichloroethane-d4 (Surr)	122		75 - 138		07/12/13 17:46	1
Toluene-d8 (Surr)	105		70 - 130		07/12/13 17:46	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-9-20

Lab Sample ID: 720-50787-22

Date Collected: 07/09/13 16:10

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Ethylbenzene	ND		4.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Toluene	ND		4.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Xylenes, Total	ND		8.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
1,2-Dichloroethane	ND		4.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Naphthalene	ND		8.0		ug/Kg		07/09/13 22:00	07/12/13 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				07/09/13 22:00	07/12/13 13:05	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 140				07/09/13 22:00	07/12/13 13:05	1
Toluene-d8 (Surr)	96		58 - 140				07/09/13 22:00	07/12/13 13:05	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: FD-2-20

Lab Sample ID: 720-50787-23

Date Collected: 07/09/13 16:05

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
Ethylbenzene	4.2		4.2		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
Toluene	ND		4.2		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
Xylenes, Total	ND		8.4		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/09/13 19:20	07/12/13 23:52	1
Naphthalene	ND		8.4		ug/Kg		07/09/13 19:20	07/12/13 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131	07/09/13 19:20	07/12/13 23:52	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 140	07/09/13 19:20	07/12/13 23:52	1
Toluene-d8 (Surr)	96		58 - 140	07/09/13 19:20	07/12/13 23:52	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-9-15

Lab Sample ID: 720-50787-24

Date Collected: 07/09/13 16:00

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	130		4.1		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
Ethylbenzene	48		4.1		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		21000		ug/Kg		07/09/13 22:00	07/13/13 19:11	100
Toluene	7.6		4.1		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
Xylenes, Total	340		8.2		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
Naphthalene	110		8.2		ug/Kg		07/09/13 22:00	07/11/13 05:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	0	X	45 - 131				07/09/13 22:00	07/11/13 05:42	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				07/09/13 22:00	07/11/13 05:42	1
Toluene-d8 (Surr)	111		58 - 140				07/09/13 22:00	07/11/13 05:42	1
4-Bromofluorobenzene	102		66 - 148				07/09/13 22:00	07/13/13 19:11	100
1,2-Dichloroethane-d4 (Surr)	83		62 - 137				07/09/13 22:00	07/13/13 19:11	100
Toluene-d8 (Surr)	96		65 - 141				07/09/13 22:00	07/13/13 19:11	100

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TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-9-18

Lab Sample ID: 720-50787-25

Date Collected: 07/09/13 16:30

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1400		400		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Gasoline Range Organics (GRO) -C5-C12	27000		20000		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Ethylbenzene	790		400		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Toluene	ND		400		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Xylenes, Total	ND		800		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
1,2-Dichloroethane	ND		400		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
cis-1,2-Dichloroethene	ND		400		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Naphthalene	ND		800		ug/Kg		07/09/13 22:00	07/13/13 19:39	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		66 - 148				07/09/13 22:00	07/13/13 19:39	100
1,2-Dichloroethane-d4 (Surr)	84		62 - 137				07/09/13 22:00	07/13/13 19:39	100
Toluene-d8 (Surr)	97		65 - 141				07/09/13 22:00	07/13/13 19:39	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-9-12

Lab Sample ID: 720-50787-26

Date Collected: 07/09/13 15:55

Matrix: Solid

Date Received: 07/09/13 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.5		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Ethylbenzene	ND		4.5		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Toluene	ND		4.5		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Xylenes, Total	ND		8.9		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Gasoline Range Organics (GRO)	230		220		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
-C5-C12									
1,2-Dichloroethane	ND		4.5		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Naphthalene	ND		8.9		ug/Kg		07/09/13 22:00	07/12/13 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		45 - 131				07/09/13 22:00	07/12/13 12:37	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 140				07/09/13 22:00	07/12/13 12:37	1
Toluene-d8 (Surr)	96		58 - 140				07/09/13 22:00	07/12/13 12:37	1

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: MB 720-139892/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 139892

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/10/13 20:05	1
Ethylbenzene	ND		5.0		ug/Kg			07/10/13 20:05	1
Toluene	ND		5.0		ug/Kg			07/10/13 20:05	1
Xylenes, Total	ND		10		ug/Kg			07/10/13 20:05	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/10/13 20:05	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/10/13 20:05	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/10/13 20:05	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/10/13 20:05	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	74		45 - 131		07/10/13 20:05	1
1,2-Dichloroethane-d4 (Surr)	115		60 - 140		07/10/13 20:05	1
Toluene-d8 (Surr)	85		58 - 140		07/10/13 20:05	1

Lab Sample ID: LCS 720-139892/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 139892

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	50.0	52.1		ug/Kg		104	70 - 130
Ethylbenzene	50.0	56.2		ug/Kg		112	80 - 137
Toluene	50.0	53.6		ug/Kg		107	80 - 128
m-Xylene & p-Xylene	100	119		ug/Kg		119	70 - 146
o-Xylene	50.0	60.4		ug/Kg		121	70 - 140
1,2-Dichloroethane	50.0	51.8		ug/Kg		104	70 - 130
cis-1,2-Dichloroethene	50.0	54.9		ug/Kg		110	70 - 138
Naphthalene	50.0	53.1		ug/Kg		106	60 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCS 720-139892/7

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 139892

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)	1000	955		ug/Kg		96	61 - 128
-C5-C12							

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	91		45 - 131
1,2-Dichloroethane-d4 (Surr)	107		60 - 140
Toluene-d8 (Surr)	102		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCSD 720-139892/6
Matrix: Solid
Analysis Batch: 139892

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
Benzene	50.0	52.4		ug/Kg		105	70 - 130	1	20
Ethylbenzene	50.0	57.8		ug/Kg		116	80 - 137	3	20
Toluene	50.0	55.7		ug/Kg		111	80 - 128	4	20
m-Xylene & p-Xylene	100	123		ug/Kg		123	70 - 146	3	20
o-Xylene	50.0	61.9		ug/Kg		124	70 - 140	2	20
1,2-Dichloroethane	50.0	52.3		ug/Kg		105	70 - 130	1	20
cis-1,2-Dichloroethene	50.0	54.2		ug/Kg		108	70 - 138	1	20
Naphthalene	50.0	52.5		ug/Kg		105	60 - 147	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-139892/8
Matrix: Solid
Analysis Batch: 139892

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	1000	958		ug/Kg		96	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	94		45 - 131
1,2-Dichloroethane-d4 (Surr)	106		60 - 140
Toluene-d8 (Surr)	103		58 - 140

Lab Sample ID: MB 720-139975/4
Matrix: Water
Analysis Batch: 139975

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/11/13 19:40	1
Ethylbenzene	ND		0.50		ug/L			07/11/13 19:40	1
Toluene	ND		0.50		ug/L			07/11/13 19:40	1
Xylenes, Total	ND		1.0		ug/L			07/11/13 19:40	1
1,2-Dichloroethane	ND		0.50		ug/L			07/11/13 19:40	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/11/13 19:40	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/11/13 19:40	1
Naphthalene	ND		1.0		ug/L			07/11/13 19:40	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130		07/11/13 19:40	1
1,2-Dichloroethane-d4 (Surr)	119		75 - 138		07/11/13 19:40	1
Toluene-d8 (Surr)	101		70 - 130		07/11/13 19:40	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCS 720-139975/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Benzene	25.0	24.8		ug/L		99	79 - 130	
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	
Toluene	25.0	24.2		ug/L		97	78 - 120	
m-Xylene & p-Xylene	50.0	52.3		ug/L		105	70 - 142	
o-Xylene	25.0	27.6		ug/L		111	70 - 130	
1,2-Dichloroethane	25.0	29.9		ug/L		120	61 - 132	
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	70 - 130	
Naphthalene	25.0	28.1		ug/L		112	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		75 - 138
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCS 720-139975/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics (GRO) -C5-C12	500	465		ug/L		93	62 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		75 - 138
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 720-139975/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
Benzene	25.0	24.8		ug/L		99	79 - 130	0	20	
Ethylbenzene	25.0	25.8		ug/L		103	80 - 120	1	20	
Toluene	25.0	24.1		ug/L		96	78 - 120	1	20	
m-Xylene & p-Xylene	50.0	52.1		ug/L		104	70 - 142	0	20	
o-Xylene	25.0	27.6		ug/L		110	70 - 130	0	20	
1,2-Dichloroethane	25.0	30.2		ug/L		121	61 - 132	1	20	
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	70 - 130	1	20	
Naphthalene	25.0	27.5		ug/L		110	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	112		75 - 138
Toluene-d8 (Surr)	102		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCSD 720-139975/9

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	462		ug/L		92	62 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	112		75 - 138
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: MB 720-140007/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/12/13 08:39	1
Ethylbenzene	ND		0.50		ug/L			07/12/13 08:39	1
Toluene	ND		0.50		ug/L			07/12/13 08:39	1
Xylenes, Total	ND		1.0		ug/L			07/12/13 08:39	1
1,2-Dichloroethane	ND		0.50		ug/L			07/12/13 08:39	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 08:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/12/13 08:39	1
Naphthalene	ND		1.0		ug/L			07/12/13 08:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130		07/12/13 08:39	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 138		07/12/13 08:39	1
Toluene-d8 (Surr)	101		70 - 130		07/12/13 08:39	1

Lab Sample ID: LCS 720-140007/6

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	28.1		ug/L		112	79 - 130
Ethylbenzene	25.0	28.6		ug/L		114	80 - 120
Toluene	25.0	27.3		ug/L		109	78 - 120
m-Xylene & p-Xylene	50.0	58.7		ug/L		117	70 - 142
o-Xylene	25.0	30.7		ug/L		123	70 - 130
1,2-Dichloroethane	25.0	32.6		ug/L		131	61 - 132
cis-1,2-Dichloroethene	25.0	28.1		ug/L		112	70 - 130
Naphthalene	25.0	29.1		ug/L		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		75 - 138
Toluene-d8 (Surr)	102		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCS 720-140007/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140007

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	500	483		ug/L		97	62 - 120
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	104		67 - 130				
1,2-Dichloroethane-d4 (Surr)	114		75 - 138				
Toluene-d8 (Surr)	103		70 - 130				

Lab Sample ID: LCSD 720-140007/7

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140007

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	25.0	27.7		ug/L		111	79 - 130	1	20
Ethylbenzene	25.0	28.3		ug/L		113	80 - 120	1	20
Toluene	25.0	26.6		ug/L		107	78 - 120	2	20
m-Xylene & p-Xylene	50.0	57.6		ug/L		115	70 - 142	2	20
o-Xylene	25.0	30.0		ug/L		120	70 - 130	2	20
1,2-Dichloroethane	25.0	32.7		ug/L		131	61 - 132	0	20
cis-1,2-Dichloroethene	25.0	28.0		ug/L		112	70 - 130	1	20
Naphthalene	25.0	29.6		ug/L		118	70 - 130	2	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	102		67 - 130						
1,2-Dichloroethane-d4 (Surr)	111		75 - 138						
Toluene-d8 (Surr)	104		70 - 130						

Lab Sample ID: LCSD 720-140007/9

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140007

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	500	516		ug/L		103	62 - 120	7	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	106		67 - 130						
1,2-Dichloroethane-d4 (Surr)	117		75 - 138						
Toluene-d8 (Surr)	103		70 - 130						

Lab Sample ID: MB 720-140010/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/12/13 09:50	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 09:50	1
Toluene	ND		5.0		ug/Kg			07/12/13 09:50	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCSD 720-140010/6
Matrix: Solid
Analysis Batch: 140010

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
		Result	Qualifier				Limits		Limit
Benzene	50.0	50.9		ug/Kg		102	70 - 130	9	20
Ethylbenzene	50.0	52.5		ug/Kg		105	80 - 137	11	20
Toluene	50.0	53.1		ug/Kg		106	80 - 128	12	20
m-Xylene & p-Xylene	100	108		ug/Kg		108	70 - 146	11	20
o-Xylene	50.0	55.2		ug/Kg		110	70 - 140	11	20
1,2-Dichloroethane	50.0	53.4		ug/Kg		107	70 - 130	9	20
cis-1,2-Dichloroethene	50.0	48.5		ug/Kg		97	70 - 138	8	20
Naphthalene	50.0	59.3		ug/Kg		119	60 - 147	8	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-140010/8
Matrix: Solid
Analysis Batch: 140010

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
		Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO) -C5-C12	1000	810		ug/Kg		81	61 - 128	3	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: 720-50787-22 MS
Matrix: Solid
Analysis Batch: 140010

Client Sample ID: SB-9-20
Prep Type: Total/NA
Prep Batch: 140055

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Benzene	ND		39.8	42.8		ug/Kg		104	70 - 130
Ethylbenzene	ND		39.8	43.1		ug/Kg		102	65 - 130
Toluene	ND		39.8	41.9		ug/Kg		105	70 - 130
m-Xylene & p-Xylene	ND		79.6	83.7		ug/Kg		103	70 - 130
o-Xylene	ND		39.8	43.0		ug/Kg		108	68 - 130
1,2-Dichloroethane	ND		39.8	41.3		ug/Kg		104	70 - 130
cis-1,2-Dichloroethene	ND		39.8	38.6		ug/Kg		97	68 - 131
Naphthalene	ND		39.8	51.6		ug/Kg		130	45 - 146

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	88		60 - 140
Toluene-d8 (Surr)	98		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: MB 720-140010/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Xylenes, Total	ND		10		ug/Kg			07/12/13 09:50	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 09:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 09:50	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/12/13 09:50	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/12/13 09:50	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene	106		45 - 131					07/12/13 09:50	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140					07/12/13 09:50	1
Toluene-d8 (Surr)	97		58 - 140					07/12/13 09:50	1

Lab Sample ID: LCS 720-140010/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	47.0		ug/Kg		94	80 - 137
Toluene	50.0	47.3		ug/Kg		95	80 - 128
m-Xylene & p-Xylene	100	97.3		ug/Kg		97	70 - 146
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130
cis-1,2-Dichloroethene	50.0	44.7		ug/Kg		89	70 - 138
Naphthalene	50.0	54.5		ug/Kg		109	60 - 147
Surrogate	LCS LCS		Limits				%Rec. Limits
	%Recovery	Qualifier					
4-Bromofluorobenzene	102		45 - 131				
1,2-Dichloroethane-d4 (Surr)	91		60 - 140				
Toluene-d8 (Surr)	98		58 - 140				

Lab Sample ID: LCS 720-140010/7

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
-C5-C12							
Surrogate	LCS LCS		Limits				%Rec. Limits
	%Recovery	Qualifier					
4-Bromofluorobenzene	108		45 - 131				
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				
Toluene-d8 (Surr)	97		58 - 140				

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: 720-50787-22 MSD

Client Sample ID: SB-9-20

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Prep Batch: 140055

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Benzene	ND		41.0	43.8		ug/Kg		104	70 - 130	2	20	
Ethylbenzene	ND		41.0	44.9		ug/Kg		103	65 - 130	4	20	
Toluene	ND		41.0	42.2		ug/Kg		103	70 - 130	1	20	
m-Xylene & p-Xylene	ND		81.9	85.2		ug/Kg		102	70 - 130	2	20	
o-Xylene	ND		41.0	43.3		ug/Kg		106	68 - 130	1	20	
1,2-Dichloroethane	ND		41.0	39.4		ug/Kg		96	70 - 130	5	20	
cis-1,2-Dichloroethene	ND		41.0	38.0		ug/Kg		93	68 - 131	2	20	
Naphthalene	ND		41.0	46.4		ug/Kg		113	45 - 146	11	20	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	86		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: MB 720-140061/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140061

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Toluene	ND		5.0		ug/Kg			07/12/13 20:08	1
Xylenes, Total	ND		10		ug/Kg			07/12/13 20:08	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 20:08	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 20:08	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/12/13 20:08	1
-C5-C12	ND								
Naphthalene	ND		10		ug/Kg			07/12/13 20:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	104		45 - 131		07/12/13 20:08	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140		07/12/13 20:08	1
Toluene-d8 (Surr)	97		58 - 140		07/12/13 20:08	1

Lab Sample ID: LCS 720-140061/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140061

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Benzene	50.0	46.6		ug/Kg		93	70 - 130	
Ethylbenzene	50.0	45.9		ug/Kg		92	80 - 137	
Toluene	50.0	47.0		ug/Kg		94	80 - 128	
m-Xylene & p-Xylene	100	93.4		ug/Kg		93	70 - 146	
o-Xylene	50.0	47.9		ug/Kg		96	70 - 140	
1,2-Dichloroethane	50.0	45.7		ug/Kg		91	70 - 130	
cis-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	70 - 138	
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147	

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCS 720-140061/5

Matrix: Solid

Analysis Batch: 140061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	85		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCS 720-140061/7

Matrix: Solid

Analysis Batch: 140061

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	1000	793		ug/Kg		79	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	88		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-140061/6

Matrix: Solid

Analysis Batch: 140061

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
Benzene	50.0	46.8		ug/Kg		94	70 - 130	0	20
Ethylbenzene	50.0	46.3		ug/Kg		93	80 - 137	1	20
Toluene	50.0	47.4		ug/Kg		95	80 - 128	1	20
m-Xylene & p-Xylene	100	94.1		ug/Kg		94	70 - 146	1	20
o-Xylene	50.0	48.3		ug/Kg		97	70 - 140	1	20
1,2-Dichloroethane	50.0	45.4		ug/Kg		91	70 - 130	1	20
cis-1,2-Dichloroethene	50.0	43.3		ug/Kg		87	70 - 138	0	20
Naphthalene	50.0	54.2		ug/Kg		108	60 - 147	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	87		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-140061/8

Matrix: Solid

Analysis Batch: 140061

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	1000	784		ug/Kg		78	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	89		60 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCSD 720-140061/8
Matrix: Solid
Analysis Batch: 140061

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCS 720-140089/5
Matrix: Solid
Analysis Batch: 140089

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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	100000	91500		ug/Kg		92	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	97		65 - 141

Lab Sample ID: LCSD 720-140089/6
Matrix: Solid
Analysis Batch: 140089

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

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	100000	89900		ug/Kg		90	70 - 130	2	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	98		65 - 141

Lab Sample ID: MB 720-140090/12
Matrix: Solid
Analysis Batch: 140090

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		500		ug/Kg			07/13/13 13:55	100
Ethylbenzene	ND		500		ug/Kg			07/13/13 13:55	100
Toluene	ND		500		ug/Kg			07/13/13 13:55	100
Xylenes, Total	ND		1000		ug/Kg			07/13/13 13:55	100
1,2-Dichloroethane	ND		500		ug/Kg			07/13/13 13:55	100
cis-1,2-Dichloroethene	ND		500		ug/Kg			07/13/13 13:55	100
Gasoline Range Organics (GRO) -C5-C12	ND		25000		ug/Kg			07/13/13 13:55	100
Naphthalene	ND		1000		ug/Kg			07/13/13 13:55	100

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	86		66 - 148		07/13/13 13:55	100
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		07/13/13 13:55	100
Toluene-d8 (Surr)	93		65 - 141		07/13/13 13:55	100

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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

Lab Sample ID: LCS 720-140090/10

Matrix: Solid

Analysis Batch: 140090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	5000	5180		ug/Kg		104	76 - 122
Ethylbenzene	5000	5250		ug/Kg		105	76 - 137
Toluene	5000	5160		ug/Kg		103	77 - 120
m-Xylene & p-Xylene	10000	10900		ug/Kg		109	71 - 142
1,2-Dichloroethane	5000	5080		ug/Kg		102	67 - 126
cis-1,2-Dichloroethene	5000	5310		ug/Kg		106	84 - 139
Naphthalene	5000	5610		ug/Kg		112	62 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		66 - 148
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
Toluene-d8 (Surr)	101		65 - 141

Lab Sample ID: LCSD 720-140090/11

Matrix: Solid

Analysis Batch: 140090

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
Benzene	5000	5190		ug/Kg		104	76 - 122	0	20
Ethylbenzene	5000	5180		ug/Kg		104	76 - 137	1	20
Toluene	5000	5140		ug/Kg		103	77 - 120	0	20
m-Xylene & p-Xylene	10000	10800		ug/Kg		108	71 - 142	1	20
1,2-Dichloroethane	5000	5110		ug/Kg		102	67 - 126	1	20
cis-1,2-Dichloroethene	5000	5290		ug/Kg		106	84 - 139	0	20
Naphthalene	5000	5700		ug/Kg		114	62 - 151	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	103		66 - 148
1,2-Dichloroethane-d4 (Surr)	101		62 - 137
Toluene-d8 (Surr)	102		65 - 141

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

GC/MS VOA

Analysis Batch: 139892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-1	SB-5-12	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-2	SB-5-15	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-3	SB-5-20	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-4	SB-11-12	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-5	SB-11-15	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-6	SB-11-20	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-9	SB-6-12	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-10	SB-6-15	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-11	SB-6-20	Total/NA	Solid	8260B/CA_LUFT MS	139915
720-50787-24	SB-9-15	Total/NA	Solid	8260B/CA_LUFT MS	139915
LCS 720-139892/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-139892/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139892/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139892/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-139892/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 139915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-1	SB-5-12	Total/NA	Solid	5035	
720-50787-2	SB-5-15	Total/NA	Solid	5035	
720-50787-3	SB-5-20	Total/NA	Solid	5035	
720-50787-4	SB-11-12	Total/NA	Solid	5035	
720-50787-5	SB-11-15	Total/NA	Solid	5035	
720-50787-6	SB-11-20	Total/NA	Solid	5035	
720-50787-9	SB-6-12	Total/NA	Solid	5035	
720-50787-10	SB-6-15	Total/NA	Solid	5035	
720-50787-11	SB-6-20	Total/NA	Solid	5035	
720-50787-24	SB-9-15	Total/NA	Solid	5035	

Analysis Batch: 139975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-7	SB-11	Total/NA	Water	8260B/CA_LUFT MS	
720-50787-8	SB-5	Total/NA	Water	8260B/CA_LUFT MS	
720-50787-13	TAL-SF-TB	Total/NA	Water	8260B/CA_LUFT MS	
720-50787-18	SB-6	Total/NA	Water	8260B/CA_LUFT MS	
720-50787-19	SB-90	Total/NA	Water	8260B/CA_LUFT MS	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

GC/MS VOA (Continued)

Analysis Batch: 139975 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-21	SB-91	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-139975/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-139975/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-139975/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-139975/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-139975/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 140007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-20	SB-7	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140007/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140007/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140007/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140007/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140007/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 140010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-22	SB-9-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50787-22 MS	SB-9-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50787-22 MSD	SB-9-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50787-26	SB-9-12	Total/NA	Solid	8260B/CA_LUFT MS	140055
LCS 720-140010/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140010/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140010/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-22	SB-9-20	Total/NA	Solid	5035	
720-50787-22 MS	SB-9-20	Total/NA	Solid	5035	
720-50787-22 MSD	SB-9-20	Total/NA	Solid	5035	
720-50787-26	SB-9-12	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

GC/MS VOA (Continued)

Analysis Batch: 140061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-14	SB-7-12	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50787-15	FD-1-12	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50787-17	SB-7-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50787-23	FD-2-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
LCS 720-140061/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140061/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140061/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-14	SB-7-12	Total/NA	Solid	5035	
720-50787-15	FD-1-12	Total/NA	Solid	5035	
720-50787-17	SB-7-20	Total/NA	Solid	5035	
720-50787-23	FD-2-20	Total/NA	Solid	5035	

Analysis Batch: 140089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-1	SB-5-12	Total/NA	Solid	8260B/CA_LUFT MS	140096
LCS 720-140089/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140089/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 140090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-140090/10	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140090/11	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140090/12	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-1	SB-5-12	Total/NA	Solid	5035	
720-50787-12	SB-6-16	Total/NA	Solid	5035	
720-50787-16	SB-7-15	Total/NA	Solid	5035	
720-50787-24	SB-9-15	Total/NA	Solid	5035	
720-50787-25	SB-9-18	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

GC/MS VOA (Continued)

Analysis Batch: 140100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50787-12	SB-6-16	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50787-16	SB-7-15	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50787-24	SB-9-15	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50787-25	SB-9-18	Total/NA	Solid	8260B/CA_LUFT MS	140096



Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-5-12

Date Collected: 07/09/13 08:30
Date Received: 07/09/13 19:20

Lab Sample ID: 720-50787-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/10/13 22:29	ASC	TAL PLS
Total/NA	Prep	5035			140096	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140089	07/13/13 11:54	LPL	TAL PLS

Client Sample ID: SB-5-15

Date Collected: 07/09/13 08:40
Date Received: 07/09/13 19:20

Lab Sample ID: 720-50787-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/10/13 22:58	ASC	TAL PLS

Client Sample ID: SB-5-20

Date Collected: 07/09/13 08:45
Date Received: 07/09/13 19:20

Lab Sample ID: 720-50787-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/10/13 23:27	ASC	TAL PLS

Client Sample ID: SB-11-12

Date Collected: 07/09/13 11:00
Date Received: 07/09/13 19:20

Lab Sample ID: 720-50787-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/10/13 23:56	ASC	TAL PLS

Client Sample ID: SB-11-15

Date Collected: 07/09/13 11:15
Date Received: 07/09/13 19:20

Lab Sample ID: 720-50787-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 00:25	ASC	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-11-20

Lab Sample ID: 720-50787-6

Date Collected: 07/09/13 11:20

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 00:53	ASC	TAL PLS

Client Sample ID: SB-11

Lab Sample ID: 720-50787-7

Date Collected: 07/09/13 10:30

Matrix: Water

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	139975	07/12/13 00:16	ASC	TAL PLS

Client Sample ID: SB-5

Lab Sample ID: 720-50787-8

Date Collected: 07/09/13 11:20

Matrix: Water

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	139975	07/12/13 00:44	ASC	TAL PLS

Client Sample ID: SB-6-12

Lab Sample ID: 720-50787-9

Date Collected: 07/09/13 12:55

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 01:22	ASC	TAL PLS

Client Sample ID: SB-6-15

Lab Sample ID: 720-50787-10

Date Collected: 07/09/13 13:00

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 01:51	ASC	TAL PLS

Client Sample ID: SB-6-20

Lab Sample ID: 720-50787-11

Date Collected: 07/09/13 13:05

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 02:20	ASC	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6-16

Lab Sample ID: 720-50787-12

Date Collected: 07/09/13 13:20

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1000	140100	07/13/13 20:34	ASC	TAL PLS

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50787-13

Date Collected: 07/09/13 00:00

Matrix: Water

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	139975	07/11/13 21:58	ASC	TAL PLS

Client Sample ID: SB-7-12

Lab Sample ID: 720-50787-14

Date Collected: 07/09/13 14:40

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/09/13 19:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/12/13 22:27	LPL	TAL PLS

Client Sample ID: FD-1-12

Lab Sample ID: 720-50787-15

Date Collected: 07/09/13 14:30

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/09/13 19:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/12/13 22:56	LPL	TAL PLS

Client Sample ID: SB-7-15

Lab Sample ID: 720-50787-16

Date Collected: 07/09/13 14:45

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 18:42	ASC	TAL PLS

Client Sample ID: SB-7-20

Lab Sample ID: 720-50787-17

Date Collected: 07/09/13 14:35

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/09/13 19:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/12/13 23:24	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-6

Lab Sample ID: 720-50787-18

Date Collected: 07/09/13 15:00
Date Received: 07/09/13 19:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	139975	07/12/13 04:26	ASC	TAL PLS

Client Sample ID: SB-90

Lab Sample ID: 720-50787-19

Date Collected: 07/09/13 15:05
Date Received: 07/09/13 19:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	139975	07/12/13 03:03	ASC	TAL PLS

Client Sample ID: SB-7

Lab Sample ID: 720-50787-20

Date Collected: 07/09/13 15:30
Date Received: 07/09/13 19:20

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	140007	07/12/13 17:46	LPL	TAL PLS

Client Sample ID: SB-91

Lab Sample ID: 720-50787-21

Date Collected: 07/09/13 15:35
Date Received: 07/09/13 19:20

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	139975	07/12/13 01:12	ASC	TAL PLS

Client Sample ID: SB-9-20

Lab Sample ID: 720-50787-22

Date Collected: 07/09/13 16:10
Date Received: 07/09/13 19:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/09/13 22:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 13:05	LPL	TAL PLS

Client Sample ID: FD-2-20

Lab Sample ID: 720-50787-23

Date Collected: 07/09/13 16:05
Date Received: 07/09/13 19:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/09/13 19:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/12/13 23:52	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Client Sample ID: SB-9-15

Lab Sample ID: 720-50787-24

Date Collected: 07/09/13 16:00

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			139915	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139892	07/11/13 05:42	ASC	TAL PLS
Total/NA	Prep	5035			140096	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 19:11	ASC	TAL PLS

Client Sample ID: SB-9-18

Lab Sample ID: 720-50787-25

Date Collected: 07/09/13 16:30

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/09/13 22:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 19:39	ASC	TAL PLS

Client Sample ID: SB-9-12

Lab Sample ID: 720-50787-26

Date Collected: 07/09/13 15:55

Matrix: Solid

Date Received: 07/09/13 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/09/13 22:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 12:37	LPL	TAL PLS

Laboratory References:

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



Certification Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

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	01-31-14



Method Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50787-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-50787-1	SB-5-12	Solid	07/09/13 08:30	07/09/13 19:20
720-50787-2	SB-5-15	Solid	07/09/13 08:40	07/09/13 19:20
720-50787-3	SB-5-20	Solid	07/09/13 08:45	07/09/13 19:20
720-50787-4	SB-11-12	Solid	07/09/13 11:00	07/09/13 19:20
720-50787-5	SB-11-15	Solid	07/09/13 11:15	07/09/13 19:20
720-50787-6	SB-11-20	Solid	07/09/13 11:20	07/09/13 19:20
720-50787-7	SB-11	Water	07/09/13 10:30	07/09/13 19:20
720-50787-8	SB-5	Water	07/09/13 11:20	07/09/13 19:20
720-50787-9	SB-6-12	Solid	07/09/13 12:55	07/09/13 19:20
720-50787-10	SB-6-15	Solid	07/09/13 13:00	07/09/13 19:20
720-50787-11	SB-6-20	Solid	07/09/13 13:05	07/09/13 19:20
720-50787-12	SB-6-16	Solid	07/09/13 13:20	07/09/13 19:20
720-50787-13	TAL-SF-TB	Water	07/09/13 00:00	07/09/13 19:20
720-50787-14	SB-7-12	Solid	07/09/13 14:40	07/09/13 19:20
720-50787-15	FD-1-12	Solid	07/09/13 14:30	07/09/13 19:20
720-50787-16	SB-7-15	Solid	07/09/13 14:45	07/09/13 19:20
720-50787-17	SB-7-20	Solid	07/09/13 14:35	07/09/13 19:20
720-50787-18	SB-6	Water	07/09/13 15:00	07/09/13 19:20
720-50787-19	SB-90	Water	07/09/13 15:05	07/09/13 19:20
720-50787-20	SB-7	Water	07/09/13 15:30	07/09/13 19:20
720-50787-21	SB-91	Water	07/09/13 15:35	07/09/13 19:20
720-50787-22	SB-9-20	Solid	07/09/13 16:10	07/09/13 19:20
720-50787-23	FD-2-20	Solid	07/09/13 16:05	07/09/13 19:20
720-50787-24	SB-9-15	Solid	07/09/13 16:00	07/09/13 19:20
720-50787-25	SB-9-18	Solid	07/09/13 16:30	07/09/13 19:20
720-50787-26	SB-9-12	Solid	07/09/13 15:55	07/09/13 19:20

TestAmerica Pleasanton

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-50787

147073

TestAmerica

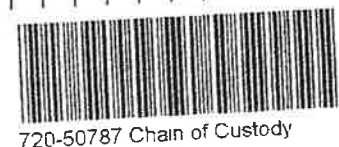
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other UST Fund

Client Contact	Project Manager: Des Garner	Site Contact: Erik Skov	Date: 7/9/13	COC No
URS Corporation	Tel/Fax: 415 243-3805	Lab Contact: Afsaneh	Carrier:	1 of 3 COCs
One Montgomery Street, Suite 900	Analysis Turnaround Time			For Lab Use Only:
San Francisco, CA, 94104	Calendar (C) or Work Days (W) _____			Walk-in Client:
(415) 896-5858	TAT if different from Below _____			Lab Sampling:
(415) 882-9261	<input type="checkbox"/> 2 weeks			Job / SDG No
Project Name: 3884 MLK	<input checked="" type="checkbox"/> 1 week			Sampler:
Site	<input type="checkbox"/> 2 days			Sample Specific Notes:
P O # 28068161	<input type="checkbox"/> 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	8260B (see special instructions)	Total Organic Carbon SIM 5310C	Dissolved Gases RSK 175	Ferrous and Ferric Iron SIM 3600	Nitrate/Nitrite/Sulfate EPA 300.0	Sulfide SIM 4600 S2 F
SB-5-12	7/9/13	8:30	soil		3		X						
SB-5-15		8:40	soil		3		X						
SB-5-20		8:45	soil		3		X						
SB-11-12		11:00	soil		3		X						
SB-11-15		11:15	soil		3		X						
SB-11-20		11:20	soil		3		X						
SB-11		10:30	water		3		X						
SB-5		11:20	water		3		X						
SB-6-12		12:55	soil		3		X						
SB-6-15		13:00	soil		3		X						
SB-6-20		13:05	soil		3		X						
SB-6-16		13:20	soil		3		X						



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE Dissolved Gases = Ethene/Ethane/Methane

4.3°C

Relinquished by: <i>[Signature]</i>	Company: URS	Date/Time: 7/9/13 1640	Received by: <i>[Signature]</i>	Company: TASF	Date/Time: 7-9-13 1640
Relinquished by: <i>[Signature]</i>	Company: TASF	Date/Time: 7-9-13 1920	Received by: <i>[Signature]</i>	Company: TAP	Date/Time: 7/9/13 1920
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

7/18/2013 Page 59 of 62

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

TestAmerica Laboratories, Inc.

720-50187

147073

Regulatory Program: DW NPDES RCRA Other: **UST Fund**

Client Contact	Project Manager: Des Garner	Site Contact: Erik Skov	Date: 7/9/13
URS Corporation	Tel/Fax: 415 243-3805	Lab Contact: Afsaneh	Carrier:
One Montgomery Street, Suite 900	Analysis Turnaround Time		
San Francisco, CA, 94104	Calendar (C) or Work Days (W) _____		
(415) 896-5858	TAT if different from Below _____		
(415) 882-9261	<input type="checkbox"/> 2 weeks		
Project Name: 3884 MLK	<input checked="" type="checkbox"/> 1 week		
Site:	<input type="checkbox"/> 2 days		
P O # 28068161	<input type="checkbox"/> 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	8260B (see special instructions)	Total Organic Carbon SM 5310C	Dissolved Gases RSK 175	Ferrous and Ferric Iron SM 3600	Nitrate/Nitrite/Sulfate EPA 300.0	Sulfide SM 4600 S2 F	For Lab Use Only:	
														Walk-in Client:	Lab Sampling:
13 TAL-SF-TB #	7/9/13														
14 SB-7-12		14:40	Soil		3		X								
15 FD-1-12		14:30	Soil		3		X								
16 SB-7-15		14:45	Soil		3		X								
17 SB-7-20		14:35	Soil		3		X								
18 SB-6		15:00	water		3		X								
19 SB-90		15:05	water		3		X								
20 SB-7		15:30	water		3		X								
21 SB-91		15:35	water		3		X								
22 SB-9-20		16:10	water		9W		X								ms/msp
23 FD-2-20		16:05	water		3		X								
24 SB-9-15		16:00	water		3		X								

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE Dissolved Gases = Ethene/Ethane/Methane

4.30c

Relinquished by: <i>[Signature]</i>	Company: <i>URS</i>	Date/Time: <i>7/9/13 1440</i>	Received by: <i>[Signature]</i>	Company: <i>TASF</i>	Date/Time: <i>7-9-13 1640</i>
Relinquished by: <i>[Signature]</i>	Company: <i>TASF</i>	Date/Time: <i>7-9-13 1820</i>	Received by: <i>Justin Wong</i>	Company: <i>TA P</i>	Date/Time: <i>7/9/13 1920</i>
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

7/18/2013
Page 60 of 62

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-50787

147073

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other: **UST Fund**

Client Contact		Project Manager: Des Garner		Site Contact: Erik Skov		Date: 7/9/13		COC No	
URS Corporation		Tel/Fax: 415 243-3805		Lab Contact: Afsaneh		Carrier:		3 of 3 COCs	
One Montgomery Street, Suite 900		Analysis Turnaround Time		Filtered Sample (Y/N) <input type="checkbox"/> Composite ± C / Grab = G <input type="checkbox"/> 8260B (see special instructions) <input type="checkbox"/> Total Organic Carbon SM 5310C <input type="checkbox"/> Dissolved Gases RSK 176 <input type="checkbox"/> Ferrous and Ferric Iron SM 3600 <input type="checkbox"/> Nitrate/Nitrite/Sulfate EPA 300.0 <input type="checkbox"/> Sulfide SM 4600 S2 F <input type="checkbox"/>		Calendar (C) or Work Days (W) _____ TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		For Lab Use Only:	
San Francisco, CA, 94104								Walk-in Client. <input type="checkbox"/>	
(415) 896-5858								Lab Sampling. <input type="checkbox"/>	
(415) 882-9261								Job / SDG No.: _____	
Project Name: 3884 MLK						Sampler: _____			
Site:								Sample Specific Notes:	
P O # 28068161									
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.			
25 SB-9-18		7/9/13	1630	Water		3	X		
26 SB-9-12		7/9/13	1555	Water		3	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months	
Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE Dissolved Gases = Ethene/Ethane/Methane									
Relinquished by		Company: URS		Date/Time: 7/9/13 1640		Received by:		Company: TASF	
Relinquished by		Company: TASF		Date/Time: 7-9-13 1920		Received by: Austin Gonzales		Company: TAP	
Relinquished by		Company:		Date/Time:		Received in Laboratory by:		Company:	

4.3°C

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-50787-1

Login Number: 50787

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



LEVEL III Data Validation Report

PROJECT: MLK/Oakland
LABORATORY: Test America, Pleasanton, CA
LAB NUMBER: 720-50818
SAMPLES: RB-1, SB-10, SB-9, SB-8, RB-2
MATRIX: Water

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	✓
MS/MSD (SB-10)	Note 1
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates	NA
Equipment Blanks	✓
Reporting Limits	Note 2

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

- Notes:
1. Toluene had a mean percent recovery of 37.5% which is below the 60% to 140% QC acceptance range. Consequently, the reported concentration of toluene in the spiked sample, SB-10, was flagged "J," estimated. There is a probable negative bias associated with this result and possibly with all other aqueous toluene results.
 2. In order to quantitate target analytes, sample SB-9 was diluted by a factor of 100. Reporting limits were increased by the same factor.

Summary:

Based on this Level III validation, these data are usable, as qualified, for their intended purpose. None of these data were rejected.

LEVEL III Data Validation Report

PROJECT: MLK/Oakland

LABORATORY: Test America, Pleasanton, CA

LAB NUMBER: 720-50818

SAMPLES: SB-10-12, SB-10-20, SB-10-15, SB-8-12, SB-8-15, SB-8-20,
FD-3-20, MW-4-12, MW-4-15, MW-4-20, MW-4-16, MW-5-12,
MW-5-20, MW-5-15, MW-2-18.5, MW-2-15, MW-2-12, MW-2-20

MATRIX: Soil

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	✓
MS/MSD (MW-4-12)	Note 1
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates (SB-8-20 and FD-3-20)	✓
Trip/Field/Equipment Blanks	NA
Reporting Limits	Note 2

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

- Notes:
1. The percent recovery of 133% for o-xylene for the MS of sample MW-4-12 exceeded the QC acceptance range of 68% to 130%. The reported concentration of total xylenes were flagged “J,” estimated in the spiked sample. Nothing can be said, due to this, regarding total xylene results in other samples.
 2. In order to quantitate target analytes, the following dilutions were required. Secondary dilutions are shown with the analytes for which the secondary dilution was required.

Sample	Dilution Factor	Secondary Dilution Factor	Analytes	Total Dilution
MW-4-15	200			200
MW-4-20	100			100
MW-4-16	100	10	GRO, Total Xylenes, Ethyl Benzene	1,000
MW-2-18.5	100			100

Reporting limits were increased by the total dilution factor for that analyte.

Summary:

Based on this Level III validation, these data are usable, as qualified, for their intended purpose. None of these data were rejected.

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: 720-50818-1
Client Project/Site: 3884 MLK/Oakland

For:
URS Corporation
One Montgomery Street
Suite 900
San Francisco, California 94104-4538

Attn: Mr. Des Garner



Authorized for release by:
7/18/2013 4:49:50 PM

Afsaneh Salimpour, Project Manager I
afsaneh.salimpour@testamericainc.com

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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.

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Definitions/Glossary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

TestAmerica Pleasanton

Case Narrative

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Job ID: 720-50818-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-50818-1

Comments

No additional comments.

Receipt

The samples were received on 7/10/2013 6:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2° C.

Except:

The following sample(s) was collected in improper containers: For Sample SB-10-12 received 2 MeOH vials and 1 DI w/ stir bar vial, instead of 2 DI w/ stir bar vials and 1 MeOH vial.

GC/MS VOA

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 139975 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: Internal standard response for the following sample 720-50818-8 exceeded the lower control limit: SB-8-20 (720-50818-8). As such, the sample results may be biased high; confirmed by re-analysis.

Method(s) 8260B: The following volatiles sample 50818-13 was diluted due to low instd in the low level (both a vial and b vial). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.



Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: RB-1

Lab Sample ID: 720-50818-1

No Detections.

Client Sample ID: SB-10-12

Lab Sample ID: 720-50818-2

No Detections.

Client Sample ID: SB-10-20

Lab Sample ID: 720-50818-3

No Detections.

Client Sample ID: SB-10-15

Lab Sample ID: 720-50818-4

No Detections.

Client Sample ID: SB-10

Lab Sample ID: 720-50818-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	34		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	18		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	130		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-8-12

Lab Sample ID: 720-50818-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.5		4.2		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	11		8.4		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-8-15

Lab Sample ID: 720-50818-7

No Detections.

Client Sample ID: SB-8-20

Lab Sample ID: 720-50818-8

No Detections.

Client Sample ID: FD-3-20

Lab Sample ID: 720-50818-9

No Detections.

Client Sample ID: SB-9

Lab Sample ID: 720-50818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4300		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	1200		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	300		100		ug/L	100		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-9 (Continued)

Lab Sample ID: 720-50818-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	59		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	1800		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	19000		5000		ug/L	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-4-12

Lab Sample ID: 720-50818-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	240		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	220		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Toluene	22		5.0		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	88		10		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	2200		250		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Naphthalene	31		10		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-4-15

Lab Sample ID: 720-50818-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1300		800		ug/Kg	200		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	400000		40000		ug/Kg	200		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	9000		800		ug/Kg	200		8260B/CA_LUFT MS	Total/NA
Toluene	1800		800		ug/Kg	200		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	38000		1600		ug/Kg	200		8260B/CA_LUFT MS	Total/NA
Naphthalene	2400		1600		ug/Kg	200		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-4-20

Lab Sample ID: 720-50818-13

No Detections.

Client Sample ID: MW-4-16

Lab Sample ID: 720-50818-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2700		380		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	2700000		190000		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	48000		3800		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA
Toluene	3900		380		ug/Kg	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	110000		7600		ug/Kg	1000		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: RB-1

Lab Sample ID: 720-50818-1

Date Collected: 07/09/13 16:50

Matrix: Water

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/11/13 22:26	1
1,2-Dichloroethane	ND		0.50		ug/L			07/11/13 22:26	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/11/13 22:26	1
Ethylbenzene	ND		0.50		ug/L			07/11/13 22:26	1
Naphthalene	ND		1.0		ug/L			07/11/13 22:26	1
Toluene	ND		0.50		ug/L			07/11/13 22:26	1
Xylenes, Total	ND		1.0		ug/L			07/11/13 22:26	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/11/13 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130					07/11/13 22:26	1
1,2-Dichloroethane-d4 (Surr)	110		75 - 138					07/11/13 22:26	1
Toluene-d8 (Surr)	100		70 - 130					07/11/13 22:26	1

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-16 (Continued)

Lab Sample ID: 720-50818-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	12000		760		ug/Kg	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-8

Lab Sample ID: 720-50818-15

No Detections.

Client Sample ID: RB-2

Lab Sample ID: 720-50818-16

No Detections.

Client Sample ID: MW-5-12

Lab Sample ID: 720-50818-17

No Detections.

Client Sample ID: MW-5-20

Lab Sample ID: 720-50818-18

No Detections.

Client Sample ID: MW-5-15

Lab Sample ID: 720-50818-19

No Detections.

Client Sample ID: MW-2-18.5

Lab Sample ID: 720-50818-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1700		400		ug/Kg	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-2-15

Lab Sample ID: 720-50818-21

No Detections.

Client Sample ID: MW-2-12

Lab Sample ID: 720-50818-22

No Detections.

Client Sample ID: MW-2-20

Lab Sample ID: 720-50818-23

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-10-12

Lab Sample ID: 720-50818-2

Date Collected: 07/09/13 16:55

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Ethylbenzene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Toluene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Xylenes, Total	ND		8.4		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Naphthalene	ND		8.4		ug/Kg		07/10/13 21:00	07/11/13 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				07/10/13 21:00	07/11/13 22:07	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				07/10/13 21:00	07/11/13 22:07	1
Toluene-d8 (Surr)	103		58 - 140				07/10/13 21:00	07/11/13 22:07	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-10-20

Lab Sample ID: 720-50818-3

Date Collected: 07/09/13 17:05

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.1		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Ethylbenzene	ND		3.1		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Toluene	ND		3.1		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Xylenes, Total	ND		6.2		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Gasoline Range Organics (GRO)	ND		150		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
-C5-C12									
1,2-Dichloroethane	ND		3.1		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
cis-1,2-Dichloroethene	ND		3.1		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Naphthalene	ND		6.2		ug/Kg		07/10/13 21:00	07/12/13 12:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131				07/10/13 21:00	07/12/13 12:09	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 140				07/10/13 21:00	07/12/13 12:09	1
Toluene-d8 (Surr)	94		58 - 140				07/10/13 21:00	07/12/13 12:09	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-10-15

Lab Sample ID: 720-50818-4

Date Collected: 07/09/13 17:00

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Ethylbenzene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Toluene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Xylenes, Total	ND		8.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Naphthalene	ND		8.1		ug/Kg		07/10/13 21:00	07/11/13 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		45 - 131				07/10/13 21:00	07/11/13 22:25	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 140				07/10/13 21:00	07/11/13 22:25	1
Toluene-d8 (Surr)	99		58 - 140				07/10/13 21:00	07/11/13 22:25	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-10

Lab Sample ID: 720-50818-5

Date Collected: 07/10/13 08:30

Matrix: Water

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/11/13 22:53	1
1,2-Dichloroethane	ND		0.50		ug/L			07/11/13 22:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/11/13 22:53	1
Ethylbenzene	2.3		0.50		ug/L			07/11/13 22:53	1
Naphthalene	ND		1.0		ug/L			07/11/13 22:53	1
Toluene	34^J		0.50		ug/L			07/11/13 22:53	1
Xylenes, Total	18		1.0		ug/L			07/11/13 22:53	1
Gasoline Range Organics (GRO)	130		50		ug/L			07/11/13 22:53	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		67 - 130		07/11/13 22:53	1
1,2-Dichloroethane-d4 (Surr)	113		75 - 138		07/11/13 22:53	1
Toluene-d8 (Surr)	100		70 - 130		07/11/13 22:53	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-8-12

Lab Sample ID: 720-50818-6

Date Collected: 07/10/13 08:35

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.5		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Ethylbenzene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Toluene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Xylenes, Total	ND		8.4		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
1,2-Dichloroethane	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Naphthalene	11		8.4		ug/Kg		07/10/13 21:00	07/11/13 22:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		45 - 131				07/10/13 21:00	07/11/13 22:53	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 140				07/10/13 21:00	07/11/13 22:53	1
Toluene-d8 (Surr)	97		58 - 140				07/10/13 21:00	07/11/13 22:53	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-8-15

Lab Sample ID: 720-50818-7

Date Collected: 07/10/13 08:45

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Ethylbenzene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Toluene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Xylenes, Total	ND		8.2		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
-C5-C12									
1,2-Dichloroethane	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Naphthalene	ND		8.2		ug/Kg		07/10/13 21:00	07/11/13 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				07/10/13 21:00	07/11/13 23:21	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				07/10/13 21:00	07/11/13 23:21	1
Toluene-d8 (Surr)	98		58 - 140				07/10/13 21:00	07/11/13 23:21	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-8-20

Lab Sample ID: 720-50818-8

Date Collected: 07/10/13 08:50

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Ethylbenzene	ND		4.2		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Toluene	ND		4.2		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Xylenes, Total	ND		8.4		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
1,2-Dichloroethane	ND		4.2		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Naphthalene	ND		8.4		ug/Kg		07/10/13 21:00	07/13/13 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		45 - 131				07/10/13 21:00	07/13/13 00:20	1
1,2-Dichloroethane-d4 (Surr)	73		60 - 140				07/10/13 21:00	07/13/13 00:20	1
Toluene-d8 (Surr)	94		58 - 140				07/10/13 21:00	07/13/13 00:20	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: FD-3-20

Lab Sample ID: 720-50818-9

Date Collected: 07/10/13 09:00

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
Ethylbenzene	ND		4.2		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
Toluene	ND		4.2		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
Xylenes, Total	ND		8.5		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/10/13 21:00	07/12/13 00:17	1
Naphthalene	ND		8.5		ug/Kg		07/10/13 21:00	07/12/13 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		45 - 131	07/10/13 21:00	07/12/13 00:17	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 140	07/10/13 21:00	07/12/13 00:17	1
Toluene-d8 (Surr)	97		58 - 140	07/10/13 21:00	07/12/13 00:17	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-9

Lab Sample ID: 720-50818-10

Date Collected: 07/10/13 09:15

Matrix: Water

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4300		50		ug/L			07/12/13 03:58	100
1,2-Dichloroethane	ND		50		ug/L			07/12/13 03:58	100
cis-1,2-Dichloroethene	ND		50		ug/L			07/12/13 03:58	100
Ethylbenzene	1200		50		ug/L			07/12/13 03:58	100
Naphthalene	300		100		ug/L			07/12/13 03:58	100
Toluene	69		50		ug/L			07/12/13 03:58	100
Xylenes, Total	1800		100		ug/L			07/12/13 03:58	100
Gasoline Range Organics (GRO) -C5-C12	19000		5000		ug/L			07/12/13 03:58	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130					07/12/13 03:58	100
1,2-Dichloroethane-d4 (Surr)	121		75 - 138					07/12/13 03:58	100
Toluene-d8 (Surr)	100		70 - 130					07/12/13 03:58	100

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-12

Lab Sample ID: 720-50818-11

Date Collected: 07/10/13 09:30

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	240		3.8		ug/Kg		07/10/13 21:00	07/17/13 01:17	1
Ethylbenzene	220		3.8		ug/Kg		07/10/13 21:00	07/17/13 01:17	1
Toluene	22		5.0		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
Xylenes, Total	88	J	10		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
Gasoline Range Organics (GRO)	2200		250		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
-C5-C12									
1,2-Dichloroethane	ND		5.0		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
Naphthalene	31		10		ug/Kg		07/10/13 21:00	07/12/13 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		45 - 131				07/10/13 21:00	07/12/13 00:46	1
4-Bromofluorobenzene	101		45 - 131				07/10/13 21:00	07/17/13 01:17	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 140				07/10/13 21:00	07/12/13 00:46	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 140				07/10/13 21:00	07/17/13 01:17	1
Toluene-d8 (Surr)	101		58 - 140				07/10/13 21:00	07/12/13 00:46	1
Toluene-d8 (Surr)	103		58 - 140				07/10/13 21:00	07/17/13 01:17	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-15

Lab Sample ID: 720-50818-12

Date Collected: 07/10/13 09:40

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1300		800		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
Gasoline Range Organics (GRO)	400000		40000		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
-C5-C12									
Ethylbenzene	9000		800		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
Toluene	1800		800		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
Xylenes, Total	38000		1600		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
1,2-Dichloroethane	ND		800		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
cis-1,2-Dichloroethene	ND		800		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
Naphthalene	2400		1600		ug/Kg		07/10/13 21:00	07/13/13 20:06	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		66 - 148				07/10/13 21:00	07/13/13 20:06	200
1,2-Dichloroethane-d4 (Surr)	85		62 - 137				07/10/13 21:00	07/13/13 20:06	200
Toluene-d8 (Surr)	97		65 - 141				07/10/13 21:00	07/13/13 20:06	200

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-20

Lab Sample ID: 720-50818-13

Date Collected: 07/10/13 09:45

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		420		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Gasoline Range Organics (GRO) -C5-C12	ND		21000		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Ethylbenzene	ND		420		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Toluene	ND		420		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Xylenes, Total	ND		830		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
1,2-Dichloroethane	ND		420		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
cis-1,2-Dichloroethene	ND		420		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Naphthalene	ND		830		ug/Kg		07/10/13 21:00	07/13/13 16:22	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		66 - 148				07/10/13 21:00	07/13/13 16:22	100
1,2-Dichloroethane-d4 (Surr)	86		62 - 137				07/10/13 21:00	07/13/13 16:22	100
Toluene-d8 (Surr)	97		65 - 141				07/10/13 21:00	07/13/13 16:22	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-16

Lab Sample ID: 720-50818-14

Date Collected: 07/10/13 10:15

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2700		380		ug/Kg		07/10/13 21:00	07/13/13 16:50	100
Gasoline Range Organics (GRO)	2700000		190000		ug/Kg		07/10/13 21:00	07/16/13 12:57	1000
-C5-C12									
Ethylbenzene	48000		3800		ug/Kg		07/10/13 21:00	07/16/13 12:57	1000
Toluene	3900		380		ug/Kg		07/10/13 21:00	07/13/13 16:50	100
Xylenes, Total	110000		7600		ug/Kg		07/10/13 21:00	07/16/13 12:57	1000
1,2-Dichloroethane	ND		380		ug/Kg		07/10/13 21:00	07/13/13 16:50	100
cis-1,2-Dichloroethene	ND		380		ug/Kg		07/10/13 21:00	07/13/13 16:50	100
Naphthalene	12000		760		ug/Kg		07/10/13 21:00	07/13/13 16:50	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	141		66 - 148				07/10/13 21:00	07/13/13 16:50	100
4-Bromofluorobenzene	114		66 - 148				07/10/13 21:00	07/16/13 12:57	1000
1,2-Dichloroethane-d4 (Surr)	111		62 - 137				07/10/13 21:00	07/13/13 16:50	100
1,2-Dichloroethane-d4 (Surr)	88		62 - 137				07/10/13 21:00	07/16/13 12:57	1000
Toluene-d8 (Surr)	100		65 - 141				07/10/13 21:00	07/13/13 16:50	100
Toluene-d8 (Surr)	105		65 - 141				07/10/13 21:00	07/16/13 12:57	1000

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-8

Lab Sample ID: 720-50818-15

Date Collected: 07/10/13 10:45

Matrix: Water

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/12/13 02:08	1
1,2-Dichloroethane	ND		0.50		ug/L			07/12/13 02:08	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 02:08	1
Ethylbenzene	ND		0.50		ug/L			07/12/13 02:08	1
Naphthalene	ND		1.0		ug/L			07/12/13 02:08	1
Toluene	ND		0.50		ug/L			07/12/13 02:08	1
Xylenes, Total	ND		1.0		ug/L			07/12/13 02:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/12/13 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130		07/12/13 02:08	1
1,2-Dichloroethane-d4 (Surr)	115		75 - 138		07/12/13 02:08	1
Toluene-d8 (Surr)	102		70 - 130		07/12/13 02:08	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: RB-2

Lab Sample ID: 720-50818-16

Date Collected: 07/10/13 11:00

Matrix: Water

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/12/13 02:35	1
1,2-Dichloroethane	ND		0.50		ug/L			07/12/13 02:35	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/12/13 02:35	1
Ethylbenzene	ND		0.50		ug/L			07/12/13 02:35	1
Naphthalene	ND		1.0		ug/L			07/12/13 02:35	1
Toluene	ND		0.50		ug/L			07/12/13 02:35	1
Xylenes, Total	ND		1.0		ug/L			07/12/13 02:35	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/12/13 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130					07/12/13 02:35	1
1,2-Dichloroethane-d4 (Surr)	121		75 - 138					07/12/13 02:35	1
Toluene-d8 (Surr)	100		70 - 130					07/12/13 02:35	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-5-12

Lab Sample ID: 720-50818-17

Date Collected: 07/10/13 12:10

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.5		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Ethylbenzene	ND		4.5		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Toluene	ND		4.5		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Xylenes, Total	ND		8.9		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
1,2-Dichloroethane	ND		4.5		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Naphthalene	ND		8.9		ug/Kg		07/10/13 21:00	07/13/13 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131				07/10/13 21:00	07/13/13 00:48	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				07/10/13 21:00	07/13/13 00:48	1
Toluene-d8 (Surr)	96		58 - 140				07/10/13 21:00	07/13/13 00:48	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-5-20

Lab Sample ID: 720-50818-18

Date Collected: 07/10/13 12:20

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.3		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Ethylbenzene	ND		4.3		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Toluene	ND		4.3		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Xylenes, Total	ND		8.6		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
1,2-Dichloroethane	ND		4.3		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Naphthalene	ND		8.6		ug/Kg		07/10/13 21:00	07/13/13 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		45 - 131				07/10/13 21:00	07/13/13 01:16	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 140				07/10/13 21:00	07/13/13 01:16	1
Toluene-d8 (Surr)	95		58 - 140				07/10/13 21:00	07/13/13 01:16	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-5-15

Lab Sample ID: 720-50818-19

Date Collected: 07/10/13 12:15

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Ethylbenzene	ND		4.1		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Toluene	ND		4.1		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Xylenes, Total	ND		8.2		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
-C5-C12									
1,2-Dichloroethane	ND		4.1		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Naphthalene	ND		8.2		ug/Kg		07/10/13 21:00	07/13/13 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131				07/10/13 21:00	07/13/13 01:44	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140				07/10/13 21:00	07/13/13 01:44	1
Toluene-d8 (Surr)	95		58 - 140				07/10/13 21:00	07/13/13 01:44	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-2-18.5

Lab Sample ID: 720-50818-20

Date Collected: 07/10/13 17:00

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1700		400		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Gasoline Range Organics (GRO) -C5-C12	ND		20000		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Ethylbenzene	ND		400		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Toluene	ND		400		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Xylenes, Total	ND		800		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
1,2-Dichloroethane	ND		400		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
cis-1,2-Dichloroethene	ND		400		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Naphthalene	ND		800		ug/Kg		07/10/13 21:00	07/13/13 17:19	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		66 - 148				07/10/13 21:00	07/13/13 17:19	100
1,2-Dichloroethane-d4 (Surr)	82		62 - 137				07/10/13 21:00	07/13/13 17:19	100
Toluene-d8 (Surr)	97		65 - 141				07/10/13 21:00	07/13/13 17:19	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-2-15

Lab Sample ID: 720-50818-21

Date Collected: 07/10/13 16:45

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
Ethylbenzene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
Toluene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
Xylenes, Total	ND		8.1		ug/Kg		07/10/13 21:00	07/13/13 02:12	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
-C5-C12									
1,2-Dichloroethane	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
Naphthalene	ND		7.7		ug/Kg		07/10/13 21:00	07/12/13 05:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		45 - 131				07/10/13 21:00	07/12/13 05:26	1
4-Bromofluorobenzene	106		45 - 131				07/10/13 21:00	07/13/13 02:12	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 140				07/10/13 21:00	07/12/13 05:26	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				07/10/13 21:00	07/13/13 02:12	1
Toluene-d8 (Surr)	98		58 - 140				07/10/13 21:00	07/12/13 05:26	1
Toluene-d8 (Surr)	96		58 - 140				07/10/13 21:00	07/13/13 02:12	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-2-12

Lab Sample ID: 720-50818-22

Date Collected: 07/10/13 16:40

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.6		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
Ethylbenzene	ND		3.6		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
Toluene	ND		3.6		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
Xylenes, Total	ND		8.0		ug/Kg		07/10/13 21:00	07/13/13 02:39	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		07/10/13 21:00	07/13/13 02:39	1
-C5-C12									
1,2-Dichloroethane	ND		3.6		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
cis-1,2-Dichloroethene	ND		3.6		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
Naphthalene	ND		7.1		ug/Kg		07/10/13 21:00	07/12/13 05:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		45 - 131				07/10/13 21:00	07/12/13 05:54	1
4-Bromofluorobenzene	105		45 - 131				07/10/13 21:00	07/13/13 02:39	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 140				07/10/13 21:00	07/12/13 05:54	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				07/10/13 21:00	07/13/13 02:39	1
Toluene-d8 (Surr)	99		58 - 140				07/10/13 21:00	07/12/13 05:54	1
Toluene-d8 (Surr)	97		58 - 140				07/10/13 21:00	07/13/13 02:39	1

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-2-20

Lab Sample ID: 720-50818-23

Date Collected: 07/10/13 16:50

Matrix: Solid

Date Received: 07/10/13 18:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Ethylbenzene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Toluene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Xylenes, Total	ND		7.6		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
-C5-C12									
1,2-Dichloroethane	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Naphthalene	ND		7.6		ug/Kg		07/10/13 21:00	07/12/13 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131				07/10/13 21:00	07/12/13 06:22	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140				07/10/13 21:00	07/12/13 06:22	1
Toluene-d8 (Surr)	98		58 - 140				07/10/13 21:00	07/12/13 06:22	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: MB 720-139975/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.50		ug/L			07/11/13 19:40	1
Ethylbenzene	ND		0.50		ug/L			07/11/13 19:40	1
Toluene	ND		0.50		ug/L			07/11/13 19:40	1
Xylenes, Total	ND		1.0		ug/L			07/11/13 19:40	1
1,2-Dichloroethane	ND		0.50		ug/L			07/11/13 19:40	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/11/13 19:40	1
Gasoline Range Organics (GRO)	ND		50		ug/L			07/11/13 19:40	1
-C5-C12									
Naphthalene	ND		1.0		ug/L			07/11/13 19:40	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	102		67 - 130		07/11/13 19:40	1
1,2-Dichloroethane-d4 (Surr)	119		75 - 138		07/11/13 19:40	1
Toluene-d8 (Surr)	101		70 - 130		07/11/13 19:40	1

Lab Sample ID: LCS 720-139975/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120
Toluene	25.0	24.2		ug/L		97	78 - 120
m-Xylene & p-Xylene	50.0	52.3		ug/L		105	70 - 142
o-Xylene	25.0	27.6		ug/L		111	70 - 130
1,2-Dichloroethane	25.0	29.9		ug/L		120	61 - 132
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	70 - 130
Naphthalene	25.0	28.1		ug/L		112	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		75 - 138
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCS 720-139975/8

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
-C5-C12							

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	113		75 - 138
Toluene-d8 (Surr)	101		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCSD 720-139975/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	25.0	24.8		ug/L		99	79 - 130	0	20
Ethylbenzene	25.0	25.8		ug/L		103	80 - 120	1	20
Toluene	25.0	24.1		ug/L		96	78 - 120	1	20
m-Xylene & p-Xylene	50.0	52.1		ug/L		104	70 - 142	0	20
o-Xylene	25.0	27.6		ug/L		110	70 - 130	0	20
1,2-Dichloroethane	25.0	30.2		ug/L		121	61 - 132	1	20
cis-1,2-Dichloroethane	25.0	24.9		ug/L		100	70 - 130	1	20
Naphthalene	25.0	27.5		ug/L		110	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	112		75 - 138
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 720-139975/9

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	462		ug/L		92	62 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	112		75 - 138
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 720-50818-5 MS

Client Sample ID: SB-10

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	25.0		ug/L		100	60 - 140
1,2-Dichloroethane	ND		25.0	29.7		ug/L		119	60 - 140
cis-1,2-Dichloroethane	ND		25.0	25.0		ug/L		100	60 - 140
Ethylbenzene	2.3		25.0	27.1		ug/L		99	60 - 140
Naphthalene	ND		25.0	27.6		ug/L		110	56 - 140
Toluene	34		25.0	46.6	F	ug/L		49	60 - 140
m-Xylene & p-Xylene	11		50.0	59.9		ug/L		97	60 - 140
o-Xylene	6.9		25.0	32.0		ug/L		101	60 - 140

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	111		75 - 138
Toluene-d8 (Surr)	103		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: 720-50818-5 MSD

Client Sample ID: SB-10

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 139975

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Benzene	ND		25.0	24.7		ug/L		99	60 - 140	2	20
1,2-Dichloroethane	ND		25.0	28.4		ug/L		114	60 - 140	4	20
cis-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	60 - 140	1	20
Ethylbenzene	2.3		25.0	26.4		ug/L		96	60 - 140	3	20
Naphthalene	ND		25.0	26.7		ug/L		107	56 - 140	3	20
Toluene	34		25.0	40.7	F	ug/L		26	60 - 140	14	20
m-Xylene & p-Xylene	11		50.0	57.0		ug/L		92	60 - 140	5	20
o-Xylene	6.9		25.0	30.6		ug/L		95	60 - 140	5	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	109		75 - 138
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 720-139977/14

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 139977

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/11/13 19:30	1
Ethylbenzene	ND		5.0		ug/Kg			07/11/13 19:30	1
Toluene	ND		5.0		ug/Kg			07/11/13 19:30	1
Xylenes, Total	ND		10		ug/Kg			07/11/13 19:30	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/11/13 19:30	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/11/13 19:30	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/11/13 19:30	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/11/13 19:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	102		45 - 131		07/11/13 19:30	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140		07/11/13 19:30	1
Toluene-d8 (Surr)	104		58 - 140		07/11/13 19:30	1

Lab Sample ID: LCS 720-139977/15

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 139977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Benzene	50.0	52.4		ug/Kg		105	70 - 130
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 137
Toluene	50.0	51.0		ug/Kg		102	80 - 128
m-Xylene & p-Xylene	100	106		ug/Kg		106	70 - 146
o-Xylene	50.0	53.8		ug/Kg		108	70 - 140
1,2-Dichloroethane	50.0	50.2		ug/Kg		100	70 - 130
cis-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	70 - 138
Naphthalene	50.0	63.9		ug/Kg		128	60 - 147

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-139977/15
Matrix: Solid
Analysis Batch: 139977

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	106		58 - 140

Lab Sample ID: LCS 720-139977/17
Matrix: Solid
Analysis Batch: 139977

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	1000	968		ug/Kg		97	61 - 128

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	107		58 - 140

Lab Sample ID: LCSD 720-139977/16
Matrix: Solid
Analysis Batch: 139977

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	50.0	52.7		ug/Kg		105	70 - 130	1	20
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 137	0	20
Toluene	50.0	51.6		ug/Kg		103	80 - 128	1	20
m-Xylene & p-Xylene	100	107		ug/Kg		107	70 - 146	0	20
o-Xylene	50.0	53.8		ug/Kg		108	70 - 140	0	20
1,2-Dichloroethane	50.0	49.2		ug/Kg		98	70 - 130	2	20
cis-1,2-Dichloroethene	50.0	51.9		ug/Kg		104	70 - 138	1	20
Naphthalene	50.0	63.6		ug/Kg		127	60 - 147	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	101		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	107		58 - 140

Lab Sample ID: LCSD 720-139977/18
Matrix: Solid
Analysis Batch: 139977

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	1000	948		ug/Kg		95	61 - 128	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-139992/7
Matrix: Solid
Analysis Batch: 139992

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	109		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Lab Sample ID: LCSD 720-139992/6
Matrix: Solid
Analysis Batch: 139992

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
Benzene	50.0	48.2		ug/Kg		96	70 - 130	2	20
Ethylbenzene	50.0	49.7		ug/Kg		99	80 - 137	1	20
Toluene	50.0	48.4		ug/Kg		97	80 - 128	0	20
m-Xylene & p-Xylene	100	102		ug/Kg		102	70 - 146	1	20
o-Xylene	50.0	52.8		ug/Kg		106	70 - 140	1	20
1,2-Dichloroethane	50.0	52.9		ug/Kg		106	70 - 130	1	20
cis-1,2-Dichloroethane	50.0	47.9		ug/Kg		96	70 - 138	2	20
Naphthalene	50.0	55.8		ug/Kg		112	60 - 147	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Lab Sample ID: LCSD 720-139992/8
Matrix: Solid
Analysis Batch: 139992

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	1000	820		ug/Kg		82	61 - 128	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	96		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: 720-50818-11 MS
Matrix: Solid
Analysis Batch: 139992

Client Sample ID: MW-4-12
Prep Type: Total/NA
Prep Batch: 140001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	22		41.0	72.3		ug/Kg		122	70 - 130
m-Xylene & p-Xylene	65		82.0	166		ug/Kg		124	70 - 130
o-Xylene	23		41.0	77.8	F	ug/Kg		133	68 - 130
1,2-Dichloroethane	ND		41.0	53.4		ug/Kg		130	70 - 130
cis-1,2-Dichloroethane	ND		41.0	45.9		ug/Kg		112	68 - 131
Naphthalene	31		41.0	86.9		ug/Kg		137	45 - 146

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCSD 720-139977/18
Matrix: Solid
Analysis Batch: 139977

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	107		58 - 140

Lab Sample ID: MB 720-139992/4
Matrix: Solid
Analysis Batch: 139992

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/11/13 20:05	1
Ethylbenzene	ND		5.0		ug/Kg			07/11/13 20:05	1
Toluene	ND		5.0		ug/Kg			07/11/13 20:05	1
Xylenes, Total	ND		10		ug/Kg			07/11/13 20:05	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/11/13 20:05	1
cis-1,2-Dichloroethane	ND		5.0		ug/Kg			07/11/13 20:05	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/11/13 20:05	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/11/13 20:05	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	107		45 - 131		07/11/13 20:05	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 140		07/11/13 20:05	1
Toluene-d8 (Surr)	98		58 - 140		07/11/13 20:05	1

Lab Sample ID: LCS 720-139992/5
Matrix: Solid
Analysis Batch: 139992

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	50.0	47.4		ug/Kg		95	70 - 130
Ethylbenzene	50.0	50.2		ug/Kg		100	80 - 137
Toluene	50.0	48.5		ug/Kg		97	80 - 128
m-Xylene & p-Xylene	100	103		ug/Kg		103	70 - 146
o-Xylene	50.0	53.1		ug/Kg		106	70 - 140
1,2-Dichloroethane	50.0	52.5		ug/Kg		105	70 - 130
cis-1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 138
Naphthalene	50.0	52.2		ug/Kg		104	60 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: LCS 720-139992/7
Matrix: Solid
Analysis Batch: 139992

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)	1000	857		ug/Kg		86	61 - 128
-C5-C12							

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: 720-50818-11 MS
Matrix: Solid
Analysis Batch: 139992

Client Sample ID: MW-4-12
Prep Type: Total/NA
Prep Batch: 140001

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	111		45 - 131
1,2-Dichloroethane-d4 (Surr)	109		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: 720-50818-11 MSD
Matrix: Solid
Analysis Batch: 139992

Client Sample ID: MW-4-12
Prep Type: Total/NA
Prep Batch: 140001

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Toluene	22		46.0	63.8		ug/Kg		90	70 - 130	12	20
m-Xylene & p-Xylene	65		92.0	137		ug/Kg		78	70 - 130	20	20
o-Xylene	23		46.0	67.2		ug/Kg		96	68 - 130	15	20
1,2-Dichloroethane	ND		46.0	49.4		ug/Kg		107	70 - 130	8	20
cis-1,2-Dichloroethene	ND		46.0	46.2		ug/Kg		100	68 - 131	1	20
Naphthalene	31		46.0	73.6		ug/Kg		93	45 - 146	17	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	105		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Lab Sample ID: MB 720-140010/4
Matrix: Solid
Analysis Batch: 140010

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg		07/12/13 09:50	1	
Ethylbenzene	ND		5.0		ug/Kg		07/12/13 09:50	1	
Toluene	ND		5.0		ug/Kg		07/12/13 09:50	1	
Xylenes, Total	ND		10		ug/Kg		07/12/13 09:50	1	
1,2-Dichloroethane	ND		5.0		ug/Kg		07/12/13 09:50	1	
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/12/13 09:50	1	
Gasoline Range Organics (GRO)	ND		250		ug/Kg		07/12/13 09:50	1	
-C5-C12									
Naphthalene	ND		10		ug/Kg		07/12/13 09:50	1	

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	106		45 - 131		07/12/13 09:50	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140		07/12/13 09:50	1
Toluene-d8 (Surr)	97		58 - 140		07/12/13 09:50	1

Lab Sample ID: LCS 720-140010/5
Matrix: Solid
Analysis Batch: 140010

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Benzene	50.0	46.4		ug/Kg		93	70 - 130	
Ethylbenzene	50.0	47.0		ug/Kg		94	80 - 137	

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-140010/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	50.0	47.3		ug/Kg		95	80 - 128
m-Xylene & p-Xylene	100	97.3		ug/Kg		97	70 - 146
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130
cis-1,2-Dichloroethene	50.0	44.7		ug/Kg		89	70 - 138
Naphthalene	50.0	54.5		ug/Kg		109	60 - 147

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCS 720-140010/7

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	784		ug/Kg		78	61 - 128

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	93		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCSD 720-140010/6

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
								RPD	Limit
Benzene	50.0	50.9		ug/Kg		102	70 - 130	9	20
Ethylbenzene	50.0	52.5		ug/Kg		105	80 - 137	11	20
Toluene	50.0	53.1		ug/Kg		106	80 - 128	12	20
m-Xylene & p-Xylene	100	108		ug/Kg		108	70 - 146	11	20
o-Xylene	50.0	55.2		ug/Kg		110	70 - 140	11	20
1,2-Dichloroethane	50.0	53.4		ug/Kg		107	70 - 130	9	20
cis-1,2-Dichloroethene	50.0	48.5		ug/Kg		97	70 - 138	8	20
Naphthalene	50.0	59.3		ug/Kg		119	60 - 147	8	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	99		58 - 140

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCSD 720-140010/8
Matrix: Solid
Analysis Batch: 140010

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	810		ug/Kg		81	61 - 128	3	20
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	108		45 - 131						
1,2-Dichloroethane-d4 (Surr)	91		60 - 140						
Toluene-d8 (Surr)	97		58 - 140						

Lab Sample ID: MB 720-140061/4
Matrix: Solid
Analysis Batch: 140061

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Toluene	ND		5.0		ug/Kg			07/12/13 20:08	1
Xylenes, Total	ND		10		ug/Kg			07/12/13 20:08	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 20:08	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 20:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/12/13 20:08	1
Naphthalene	ND		10		ug/Kg			07/12/13 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131					07/12/13 20:08	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140					07/12/13 20:08	1
Toluene-d8 (Surr)	97		58 - 140					07/12/13 20:08	1

Lab Sample ID: LCS 720-140061/5
Matrix: Solid
Analysis Batch: 140061

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.6		ug/Kg		93	70 - 130
Ethylbenzene	50.0	45.9		ug/Kg		92	80 - 137
Toluene	50.0	47.0		ug/Kg		94	80 - 128
m-Xylene & p-Xylene	100	93.4		ug/Kg		93	70 - 146
o-Xylene	50.0	47.9		ug/Kg		96	70 - 140
1,2-Dichloroethane	50.0	45.7		ug/Kg		91	70 - 130
cis-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	70 - 138
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	102		45 - 131				
1,2-Dichloroethane-d4 (Surr)	85		60 - 140				
Toluene-d8 (Surr)	98		58 - 140				

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-140061/7

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	793		ug/Kg		79	61 - 128
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	105		45 - 131				
1,2-Dichloroethane-d4 (Surr)	88		60 - 140				
Toluene-d8 (Surr)	98		58 - 140				

Lab Sample ID: LCSD 720-140061/6

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	46.8		ug/Kg		94	70 - 130	0	20
Ethylbenzene	50.0	46.3		ug/Kg		93	80 - 137	1	20
Toluene	50.0	47.4		ug/Kg		95	80 - 128	1	20
m-Xylene & p-Xylene	100	94.1		ug/Kg		94	70 - 146	1	20
o-Xylene	50.0	48.3		ug/Kg		97	70 - 140	1	20
1,2-Dichloroethane	50.0	45.4		ug/Kg		91	70 - 130	1	20
cis-1,2-Dichloroethane	50.0	43.3		ug/Kg		87	70 - 138	0	20
Naphthalene	50.0	54.2		ug/Kg		108	60 - 147	6	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	101		45 - 131						
1,2-Dichloroethane-d4 (Surr)	87		60 - 140						
Toluene-d8 (Surr)	99		58 - 140						

Lab Sample ID: LCSD 720-140061/8

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	784		ug/Kg		78	61 - 128	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	105		45 - 131						
1,2-Dichloroethane-d4 (Surr)	89		60 - 140						
Toluene-d8 (Surr)	98		58 - 140						

Lab Sample ID: LCS 720-140089/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	100000	91500		ug/Kg		92	70 - 130

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-140089/5
Matrix: Solid
Analysis Batch: 140089

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	97		65 - 141

Lab Sample ID: LCSD 720-140089/6
Matrix: Solid
Analysis Batch: 140089

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Gasoline Range Organics (GRO) -C5-C12	100000	89900		ug/Kg		90	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	98		65 - 141

Lab Sample ID: MB 720-140090/12
Matrix: Solid
Analysis Batch: 140090

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		500		ug/Kg		07/13/13 13:55	100	
Ethylbenzene	ND		500		ug/Kg		07/13/13 13:55	100	
Toluene	ND		500		ug/Kg		07/13/13 13:55	100	
Xylenes, Total	ND		1000		ug/Kg		07/13/13 13:55	100	
1,2-Dichloroethane	ND		500		ug/Kg		07/13/13 13:55	100	
cis-1,2-Dichloroethene	ND		500		ug/Kg		07/13/13 13:55	100	
Gasoline Range Organics (GRO) -C5-C12	ND		25000		ug/Kg		07/13/13 13:55	100	
Naphthalene	ND		1000		ug/Kg		07/13/13 13:55	100	

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	86		66 - 148		07/13/13 13:55	100
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		07/13/13 13:55	100
Toluene-d8 (Surr)	93		65 - 141		07/13/13 13:55	100

Lab Sample ID: LCS 720-140090/10
Matrix: Solid
Analysis Batch: 140090

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Benzene	5000	5180		ug/Kg		104	76 - 122	
Ethylbenzene	5000	5250		ug/Kg		105	76 - 137	
Toluene	5000	5160		ug/Kg		103	77 - 120	
m-Xylene & p-Xylene	10000	10900		ug/Kg		109	71 - 142	
1,2-Dichloroethane	5000	5080		ug/Kg		102	67 - 126	
cis-1,2-Dichloroethene	5000	5310		ug/Kg		106	84 - 139	

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-140090/10
Matrix: Solid
Analysis Batch: 140090

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	5000	5610		ug/Kg		112	62 - 151
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	102		66 - 148				
1,2-Dichloroethane-d4 (Surr)	99		62 - 137				
Toluene-d8 (Surr)	101		65 - 141				

Lab Sample ID: LCSD 720-140090/11
Matrix: Solid
Analysis Batch: 140090

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
Benzene	5000	5190		ug/Kg		104	76 - 122	0	20
Ethylbenzene	5000	5180		ug/Kg		104	76 - 137	1	20
Toluene	5000	5140		ug/Kg		103	77 - 120	0	20
m-Xylene & p-Xylene	10000	10800		ug/Kg		108	71 - 142	1	20
1,2-Dichloroethane	5000	5110		ug/Kg		102	67 - 126	1	20
cis-1,2-Dichloroethane	5000	5290		ug/Kg		106	84 - 139	0	20
Naphthalene	5000	5700		ug/Kg		114	62 - 151	1	20
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	103		66 - 148						
1,2-Dichloroethane-d4 (Surr)	101		62 - 137						
Toluene-d8 (Surr)	102		65 - 141						

Lab Sample ID: MB 720-140219/4
Matrix: Solid
Analysis Batch: 140219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			07/16/13 19:00	1
Ethylbenzene	ND		5.0		ug/Kg			07/16/13 19:00	1
Toluene	ND		5.0		ug/Kg			07/16/13 19:00	1
Xylenes, Total	ND		10		ug/Kg			07/16/13 19:00	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/16/13 19:00	1
cis-1,2-Dichloroethane	ND		5.0		ug/Kg			07/16/13 19:00	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/16/13 19:00	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/16/13 19:00	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131					07/16/13 19:00	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 140					07/16/13 19:00	1
Toluene-d8 (Surr)	99		58 - 140					07/16/13 19:00	1

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QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCS 720-140219/5
Matrix: Solid
Analysis Batch: 140219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Benzene	50.0	48.9		ug/Kg		98	70 - 130	
Ethylbenzene	50.0	51.0		ug/Kg		102	80 - 137	
Toluene	50.0	50.0		ug/Kg		100	80 - 128	
m-Xylene & p-Xylene	100	107		ug/Kg		107	70 - 146	
o-Xylene	50.0	53.7		ug/Kg		107	70 - 140	
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130	
cis-1,2-Dichloroethene	50.0	50.0		ug/Kg		100	70 - 138	
Naphthalene	50.0	59.2		ug/Kg		118	60 - 147	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	101		60 - 140
Toluene-d8 (Surr)	102		58 - 140

Lab Sample ID: LCS 720-140219/7
Matrix: Solid
Analysis Batch: 140219

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	1000	918		ug/Kg		92	61 - 128	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	105		58 - 140

Lab Sample ID: LCSD 720-140219/6
Matrix: Solid
Analysis Batch: 140219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Benzene	50.0	49.6		ug/Kg		99	70 - 130	2	20	
Ethylbenzene	50.0	51.8		ug/Kg		104	80 - 137	2	20	
Toluene	50.0	51.0		ug/Kg		102	80 - 128	2	20	
m-Xylene & p-Xylene	100	109		ug/Kg		109	70 - 146	2	20	
o-Xylene	50.0	54.6		ug/Kg		109	70 - 140	2	20	
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	70 - 130	2	20	
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	70 - 138	1	20	
Naphthalene	50.0	61.9		ug/Kg		124	60 - 147	5	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	103		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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

Lab Sample ID: LCSD 720-140219/8

Matrix: Solid

Analysis Batch: 140219

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	1000	894		ug/Kg		89	61 - 128	3	20
Surrogate									
	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	101		45 - 131						
1,2-Dichloroethane-d4 (Surr)	102		60 - 140						
Toluene-d8 (Surr)	104		58 - 140						

Lab Sample ID: 720-50818-11 MS

Matrix: Solid

Analysis Batch: 140219

Client Sample ID: MW-4-12

Prep Type: Total/NA

Prep Batch: 140242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	240		41.3	185	4	ug/Kg		-126	70 - 130
Ethylbenzene	220		41.3	204	4	ug/Kg		-30	65 - 130
Surrogate									
	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	98		45 - 131						
1,2-Dichloroethane-d4 (Surr)	112		60 - 140						
Toluene-d8 (Surr)	101		58 - 140						

Lab Sample ID: 720-50818-11 MSD

Matrix: Solid

Analysis Batch: 140219

Client Sample ID: MW-4-12

Prep Type: Total/NA

Prep Batch: 140242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	240		36.6	255	4 F	ug/Kg		48	70 - 130	32	20
Ethylbenzene	220		36.6	239	4	ug/Kg		64	65 - 130	16	20
Surrogate											
	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	98		45 - 131								
1,2-Dichloroethane-d4 (Surr)	108		60 - 140								
Toluene-d8 (Surr)	100		58 - 140								

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1



GC/MS VOA

Analysis Batch: 139975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-1	RB-1	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-5	SB-10	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-5 MS	SB-10	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-5 MSD	SB-10	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-10	SB-9	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-15	SB-8	Total/NA	Water	8260B/CA_LUFT MS	
720-50818-16	RB-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-139975/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-139975/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-139975/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-139975/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-139975/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 139977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-2	SB-10-12	Total/NA	Solid	8260B/CA_LUFT MS	140000
LCS 720-139977/15	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-139977/17	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139977/16	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139977/18	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-139977/14	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 139992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-4	SB-10-15	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-6	SB-8-12	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-7	SB-8-15	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-9	FD-3-20	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-11	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-11 MS	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-11 MSD	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140001

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

GC/MS VOA (Continued)

Analysis Batch: 139992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-21	MW-2-15	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-22	MW-2-12	Total/NA	Solid	8260B/CA_LUFT MS	140001
720-50818-23	MW-2-20	Total/NA	Solid	8260B/CA_LUFT MS	140001
LCS 720-139992/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-139992/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139992/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-139992/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-139992/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-2	SB-10-12	Total/NA	Solid	5035	

Prep Batch: 140001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-4	SB-10-15	Total/NA	Solid	5035	
720-50818-6	SB-8-12	Total/NA	Solid	5035	
720-50818-7	SB-8-15	Total/NA	Solid	5035	
720-50818-9	FD-3-20	Total/NA	Solid	5035	
720-50818-11	MW-4-12	Total/NA	Solid	5035	
720-50818-11 MS	MW-4-12	Total/NA	Solid	5035	
720-50818-11 MSD	MW-4-12	Total/NA	Solid	5035	
720-50818-21	MW-2-15	Total/NA	Solid	5035	
720-50818-22	MW-2-12	Total/NA	Solid	5035	
720-50818-23	MW-2-20	Total/NA	Solid	5035	

Analysis Batch: 140010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-3	SB-10-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
LCS 720-140010/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140010/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140010/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-3	SB-10-20	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

GC/MS VOA (Continued)

Analysis Batch: 140061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-8	SB-8-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50818-17	MW-5-12	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50818-18	MW-5-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50818-19	MW-5-15	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50818-21	MW-2-15	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50818-22	MW-2-12	Total/NA	Solid	8260B/CA_LUFT MS	140084
LCS 720-140061/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140061/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140061/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-8	SB-8-20	Total/NA	Solid	5035	
720-50818-17	MW-5-12	Total/NA	Solid	5035	
720-50818-18	MW-5-20	Total/NA	Solid	5035	
720-50818-19	MW-5-15	Total/NA	Solid	5035	
720-50818-21	MW-2-15	Total/NA	Solid	5035	
720-50818-22	MW-2-12	Total/NA	Solid	5035	

Analysis Batch: 140089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-140089/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140089/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 140090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-140090/10	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140090/11	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140090/12	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-12	MW-4-15	Total/NA	Solid	5035	
720-50818-13	MW-4-20	Total/NA	Solid	5035	
720-50818-14	MW-4-16	Total/NA	Solid	5035	
720-50818-20	MW-2-18.5	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

GC/MS VOA (Continued)

Analysis Batch: 140100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-12	MW-4-15	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50818-13	MW-4-20	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50818-14	MW-4-16	Total/NA	Solid	8260B/CA_LUFT MS	140096
720-50818-20	MW-2-18,5	Total/NA	Solid	8260B/CA_LUFT MS	140096

Analysis Batch: 140173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-14	MW-4-16	Total/NA	Solid	8260B/CA_LUFT MS	140096

Analysis Batch: 140219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-11	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140242
720-50818-11 MS	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140242
720-50818-11 MSD	MW-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140242
LCS 720-140219/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140219/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140219/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140219/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140219/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50818-11	MW-4-12	Total/NA	Solid	5035	
720-50818-11 MS	MW-4-12	Total/NA	Solid	5035	
720-50818-11 MSD	MW-4-12	Total/NA	Solid	5035	

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: RB-1

Lab Sample ID: 720-50818-1

Date Collected: 07/09/13 16:50
Date Received: 07/10/13 18:20

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	139975	07/11/13 22:26	ASC	TAL PLS

Client Sample ID: SB-10-12

Lab Sample ID: 720-50818-2

Date Collected: 07/09/13 16:55
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140000	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139977	07/11/13 22:07	ASC	TAL PLS

Client Sample ID: SB-10-20

Lab Sample ID: 720-50818-3

Date Collected: 07/09/13 17:05
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/10/13 21:00	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 12:09	LPL	TAL PLS

Client Sample ID: SB-10-15

Lab Sample ID: 720-50818-4

Date Collected: 07/09/13 17:00
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/11/13 22:25	LPL	TAL PLS

Client Sample ID: SB-10

Lab Sample ID: 720-50818-5

Date Collected: 07/10/13 08:30
Date Received: 07/10/13 18:20

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	139975	07/11/13 22:53	ASC	TAL PLS

Client Sample ID: SB-8-12

Lab Sample ID: 720-50818-6

Date Collected: 07/10/13 08:35
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/11/13 22:53	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: SB-8-15

Lab Sample ID: 720-50818-7

Date Collected: 07/10/13 08:45
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/11/13 23:21	LPL	TAL PLS

Client Sample ID: SB-8-20

Lab Sample ID: 720-50818-8

Date Collected: 07/10/13 08:50
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 00:20	LPL	TAL PLS

Client Sample ID: FD-3-20

Lab Sample ID: 720-50818-9

Date Collected: 07/10/13 09:00
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/12/13 00:17	LPL	TAL PLS

Client Sample ID: SB-9

Lab Sample ID: 720-50818-10

Date Collected: 07/10/13 09:15
Date Received: 07/10/13 18:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	139975	07/12/13 03:58	ASC	TAL PLS

Client Sample ID: MW-4-12

Lab Sample ID: 720-50818-11

Date Collected: 07/10/13 09:30
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/12/13 00:46	LPL	TAL PLS
Total/NA	Prep	5035			140242	07/10/13 21:00	YB	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140219	07/17/13 01:17	ASC	TAL PLS

Client Sample ID: MW-4-15

Lab Sample ID: 720-50818-12

Date Collected: 07/10/13 09:40
Date Received: 07/10/13 18:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		200	140100	07/13/13 20:06	ASC	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-4-20

Lab Sample ID: 720-50818-13

Date Collected: 07/10/13 09:45

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 16:22	ASC	TAL PLS

Client Sample ID: MW-4-16

Lab Sample ID: 720-50818-14

Date Collected: 07/10/13 10:15

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 16:50	ASC	TAL PLS
Total/NA	Prep	5035			140096	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1000	140173	07/16/13 12:57	LPL	TAL PLS

Client Sample ID: SB-8

Lab Sample ID: 720-50818-15

Date Collected: 07/10/13 10:45

Matrix: Water

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	139975	07/12/13 02:08	ASC	TAL PLS

Client Sample ID: RB-2

Lab Sample ID: 720-50818-16

Date Collected: 07/10/13 11:00

Matrix: Water

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	139975	07/12/13 02:35	ASC	TAL PLS

Client Sample ID: MW-5-12

Lab Sample ID: 720-50818-17

Date Collected: 07/10/13 12:10

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 00:48	LPL	TAL PLS

Client Sample ID: MW-5-20

Lab Sample ID: 720-50818-18

Date Collected: 07/10/13 12:20

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 01:16	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Client Sample ID: MW-5-15

Lab Sample ID: 720-50818-19

Date Collected: 07/10/13 12:15

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 01:44	LPL	TAL PLS

Client Sample ID: MW-2-18.5

Lab Sample ID: 720-50818-20

Date Collected: 07/10/13 17:00

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 17:19	ASC	TAL PLS

Client Sample ID: MW-2-15

Lab Sample ID: 720-50818-21

Date Collected: 07/10/13 16:45

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/12/13 05:26	LPL	TAL PLS
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 02:12	LPL	TAL PLS

Client Sample ID: MW-2-12

Lab Sample ID: 720-50818-22

Date Collected: 07/10/13 16:40

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/12/13 05:54	LPL	TAL PLS
Total/NA	Prep	5035			140084	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 02:39	LPL	TAL PLS

Client Sample ID: MW-2-20

Lab Sample ID: 720-50818-23

Date Collected: 07/10/13 16:50

Matrix: Solid

Date Received: 07/10/13 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140001	07/10/13 21:00	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	139992	07/12/13 06:22	LPL	TAL PLS

Laboratory References:

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

TestAmerica Pleasanton

Certification Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

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	01-31-14



Method Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50818-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-50818-1	RB-1	Water	07/09/13 16:50	07/10/13 18:20
720-50818-2	SB-10-12	Solid	07/09/13 16:55	07/10/13 18:20
720-50818-3	SB-10-20	Solid	07/09/13 17:05	07/10/13 18:20
720-50818-4	SB-10-15	Solid	07/09/13 17:00	07/10/13 18:20
720-50818-5	SB-10	Water	07/10/13 08:30	07/10/13 18:20
720-50818-6	SB-8-12	Solid	07/10/13 08:35	07/10/13 18:20
720-50818-7	SB-8-15	Solid	07/10/13 08:45	07/10/13 18:20
720-50818-8	SB-8-20	Solid	07/10/13 08:50	07/10/13 18:20
720-50818-9	FD-3-20	Solid	07/10/13 09:00	07/10/13 18:20
720-50818-10	SB-9	Water	07/10/13 09:15	07/10/13 18:20
720-50818-11	MW-4-12	Solid	07/10/13 09:30	07/10/13 18:20
720-50818-12	MW-4-15	Solid	07/10/13 09:40	07/10/13 18:20
720-50818-13	MW-4-20	Solid	07/10/13 09:45	07/10/13 18:20
720-50818-14	MW-4-16	Solid	07/10/13 10:15	07/10/13 18:20
720-50818-15	SB-8	Water	07/10/13 10:45	07/10/13 18:20
720-50818-16	RB-2	Water	07/10/13 11:00	07/10/13 18:20
720-50818-17	MW-5-12	Solid	07/10/13 12:10	07/10/13 18:20
720-50818-18	MW-5-20	Solid	07/10/13 12:20	07/10/13 18:20
720-50818-19	MW-5-15	Solid	07/10/13 12:15	07/10/13 18:20
720-50818-20	MW-2-18.5	Solid	07/10/13 17:00	07/10/13 18:20
720-50818-21	MW-2-15	Solid	07/10/13 16:45	07/10/13 18:20
720-50818-22	MW-2-12	Solid	07/10/13 16:40	07/10/13 18:20
720-50818-23	MW-2-20	Solid	07/10/13 16:50	07/10/13 18:20

TestAmerica Pleasanton

TestAmerica Pleasanton
1220 Quarry Lane

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Pleasanton, CA 94566
phone 925 484.1919 fax 925 600.3002

720-50818

147100

Regulatory Program: DW NPDES RCRA Other UST Fund

Client Contact URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 893-5858 (415) 882-9261 Project Name: 3884 MLK Site: P O # 23068161	Project Manager: Des Garner Tel/Fax: 415 243-3805	Site Contact: Erik Skov Lab Contact: Afsaneh	Date: Carrier:	COC No: _____ of _____ COCs
Analysis Turnaround Time Calendar (C) or Work Days (W) _____ TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Composite = C / Grab = G 8260B (see special instructions) Total Organic Carbon SM 5310C Dissolved Gases RSK 175 Ferrous and Ferric Iron SM 3600 Nitrate/Nitrite/Sulfate EPA 300.0 Sulfide SM 4600 S2 F	For Lab Use Only: Walk-in Client Lab Sampling Job / SDG No.: Sampler:	

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont	Filtered Sample (Y/N)	Composite = C / Grab = G	8260B (see special instructions)	Total Organic Carbon SM 5310C	Dissolved Gases RSK 175	Ferrous and Ferric Iron SM 3600	Nitrate/Nitrite/Sulfate EPA 300.0	Sulfide SM 4600 S2 F	Sample Specific Notes:
1 RB-1	7/9/13	1650		Water	3		X							
2 SB-10-12	7/9/13	1655		Water	3		X							
3 SB-10-20		1705		Soil	3		X							
4 SB-10-15		1700		Soil	3		X							
5 SB-10	7/10	8:30		Water	9		X							ms/msd
6 SB-8-12		8:35		Soil	3		X							
7 SB-8-15		8:45		Soil	3		X							
8 SB-8-20		8:50		Soil	3		X							
9 FD-3-20		9:00		Soil	3		X							
10 SB-9		9:15		Water	3		X							
11 MW-4-12		9:30		Soil	9		X							ms/msd
12 MW-4-15		9:40		Soil	3		X							



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazardous Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: **8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE Dissolved Gases = Ethene/Ethane/Methane**

C. 2nd

Relinquished by: <i>[Signature]</i>	Company: URS	Date/Time: 7/10/13 5:08	Received by: <i>[Signature]</i>	Company: TASF	Date/Time: 7-10-13 1708
Relinquished by: <i>[Signature]</i>	Company: TASF	Date/Time: 7-10-13 1830	Received by: <i>[Signature]</i>	Company: TAP	Date/Time: 7/10/13 1820
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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TestAmerica Pleasanton
1220 Quarry Lane

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Pleasanton, CA 94566
phone 925 484 1919 fax 925 600 3002

720-60818

147100

Regulatory Program: DW NPDES RCRA Other UST Fund

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Des Garner	Site Contact: Erik Skov	Date: 7/10/13	COC No.
URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 896-5858 (415) 882-9261	Tel/Fax: 415 243-3805	Lab Contact: Afsaneh	Carrier:	2 of 2 COCs
Project Name: 3884 MLK	Analysis Turnaround Time	Filtered Sample (Y/N)		For Lab Use Only:
Site	Calendar (C) or Work Days (W)	Composite = C / Grab = G		Walk-in Client <input type="checkbox"/>
P O # 28068161	TAT if different from Below _____	8260B (see special instructions)		Lab Sampling <input type="checkbox"/>
	<input type="checkbox"/> 2 weeks	Total Organic Carbon SM 5310C		Job / SDG No.
	<input checked="" type="checkbox"/> 1 week	Dissolved Gases RSK 175		Sampler:
	<input type="checkbox"/> 2 days	Ferrous and Ferric Iron SM 3600		
	<input type="checkbox"/> 1 day	Nitrate/Nitrite/Sulfate EPA 300.0		
		Sulfide SM 4500 S2 F		

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	8260B (see special instructions)	Total Organic Carbon SM 5310C	Dissolved Gases RSK 175	Ferrous and Ferric Iron SM 3600	Nitrate/Nitrite/Sulfate EPA 300.0	Sulfide SM 4500 S2 F	Sample Specific Notes:
13 MW-4-20	7/10/13	9:45	soil	soil	3	X	X							
14 MW-4-16	7/10/13	10:15	soil	soil	3	X	X							
15 SB-8		10:45	water	water	3	X	X							
16 RB-2		11:00	water	water	3	X	X							
17 MW-5-12		12:10	soil	soil	3	X	X							
18 MW-5-20		12:20	soil	soil	3	X	X							
19 MW-8-15		12:15	soil	soil	3	X	X							
20 MW-2-18.5		17:00	soil	soil	3	X	X							
21 MW-2-15.5		1645	soil	soil	3	X	X							
22 MW-2-12		1640	soil	soil	3	X	X							
23 MW-2-20		1650												

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE Dissolved Gases = Ethene/Ethane/Methane

S.2

Relinquished by:	Company: WKS	Date/Time: 7/10/13 5:00	Received by:	Company: TASF	Date/Time: 7-10-13 1708
Relinquished by:	Company: TASF	Date/Time: 7/10/13 1820	Received by:	Company: TAP	Date/Time: 7/10/13 1820
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-50818-1

Login Number: 50818

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

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



LEVEL III Data Validation Report

PROJECT: MLK/Oakland

LABORATORY: Test America, Pleasanton, CA

LAB NUMBER: 720-50856

SAMPLES: MW-3-12, MW-3-15, MW-3-20, RB-3, TAL-SF-TB, MW-1-15, MW-1-20, MW-1-7, FD-5-20, SB-4-12, SB-4-15, SB-4-20

MATRIX: Soil

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	Note 1
MS/MSD	NA
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates (MW-1-20 and FD-5-20)	✓
Trip/Equipment Blanks	✓
Reporting Limits	Note 2

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

- Notes:
1. The surrogate 4-Bromofluore benzene (4-BFB) did not recover (0%) at both 100 and 200 dilutions. All non-detects were flagged “R,” rejected and not usable. The reported concentration of GRO was flagged “J,” estimated.
 2. In order to quantitate gasoline (GRO), sample MW-1-17 was diluted by a factor of 100. The reporting limits were increased by the same factor.

Summary:

All of the non-detects in sample MW-1-17 were rejected as not usable. All other data are usable as qualified.

LEVEL III Data Validation Report

PROJECT: MLK/Oakland
LABORATORY: Test America, Pleasanton, CA
LAB NUMBER: 720-50856
SAMPLES: MW-1-7, FD-4-7, MW-1-15, MW-1-12
MATRIX: Soil

Analysis	PAHs 8270C SIM
Holding Time	✓
Surrogate Recovery	✓
MS/MSD (MW-1-15)	✓
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates (MW-1-7 and FD-4-7)	Note 1
Trip/Equipment Blanks	NA
Reporting Limits	✓

✓ – QC criteria were met.

Notes: 1. In the case of the duplicate pair, the concentration of Naphthalene was 14 µg/L in FD-4-7 and <4.9 µg/L in MW-1-7. Consequently, the reported concentration in sample FD-4-7 was flagged “J,” estimated.

Summary:

Based on this Level III validation, these data are usable, as qualified, for their intended purpose. None of these data were rejected.

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: 720-50856-1

Client Project/Site: 3884 MLK/Oakland

For:

URS Corporation

One Montgomery Street

Suite 900

San Francisco, California 94104-4538

Attn: Mr. Des Garner



Authorized for release by:

7/19/2013 4:22:50 PM

Afsaneh Salimpour, Project Manager I

afsaneh.salimpour@testamericainc.com

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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.

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Definitions/Glossary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

Case Narrative

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Job ID: 720-50856-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-50856-1

Comments

No additional comments.

Receipt

The samples were received on 7/11/2013 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5° C.

GC/MS VOA

Method(s) 8260B: Internal standard response for the following sample 720-50856-7 exceeded the lower control limit: MW-1-15 (720-50856-7). As such, the sample results may be biased high; confirmed by re-analysis.

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch #140395 recovered outside control limits for the following analytes: DCDFM. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Surrogate recovery for the following sample 720-50856-9 was outside control limits: MW-1-7 (720-50856-9). Evidence of matrix interference is present.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-3-12

Lab Sample ID: 720-50856-1

No Detections.

Client Sample ID: MW-3-15

Lab Sample ID: 720-50856-2

No Detections.

Client Sample ID: MW-3-20

Lab Sample ID: 720-50856-3

No Detections.

Client Sample ID: RB-3

Lab Sample ID: 720-50856-4

No Detections.

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50856-5

No Detections.

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-6

No Detections.

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-7

No Detections.

Client Sample ID: MW-1-20

Lab Sample ID: 720-50856-8

No Detections.

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	750000		46000		ug/Kg	200		8260B/CA_LUFT MS	Total/NA

Client Sample ID: FD-5-20

Lab Sample ID: 720-50856-10

No Detections.

Client Sample ID: SB-4-12

Lab Sample ID: 720-50856-11

No Detections.

Client Sample ID: SB-4-15

Lab Sample ID: 720-50856-12

No Detections.

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-13

No Detections.

Client Sample ID: FD-4-7

Lab Sample ID: 720-50856-14

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: FD-4-7 (Continued)

Lab Sample ID: 720-50856-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	14		5.0		ug/Kg	1		8270C SIM	Total/NA

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-15

No Detections.

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-16

No Detections.

Client Sample ID: SB-4-20

Lab Sample ID: 720-50856-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) -C5-C12	680		190		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-3-12

Lab Sample ID: 720-50856-1

Date Collected: 07/11/13 08:15

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.2		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Ethylbenzene	ND		4.2		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Toluene	ND		4.2		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Xylenes, Total	ND		8.4		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Gasoline Range Organics (GRO)	ND		210		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
-C5-C12									
1,2-Dichloroethane	ND		4.2		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Naphthalene	ND		8.4		ug/Kg		07/11/13 18:20	07/12/13 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131				07/11/13 18:20	07/12/13 14:29	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 140				07/11/13 18:20	07/12/13 14:29	1
Toluene-d8 (Surr)	97		58 - 140				07/11/13 18:20	07/12/13 14:29	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-3-15

Lab Sample ID: 720-50856-2

Date Collected: 07/11/13 08:20

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Ethylbenzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Toluene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Xylenes, Total	ND		8.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Naphthalene	ND		8.1		ug/Kg		07/11/13 18:20	07/12/13 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		45 - 131				07/11/13 18:20	07/12/13 14:57	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140				07/11/13 18:20	07/12/13 14:57	1
Toluene-d8 (Surr)	96		58 - 140				07/11/13 18:20	07/12/13 14:57	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-3-20

Lab Sample ID: 720-50856-3

Date Collected: 07/11/13 08:25

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Ethylbenzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Toluene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Xylenes, Total	ND		8.3		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Naphthalene	ND		8.3		ug/Kg		07/11/13 18:20	07/12/13 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		45 - 131				07/11/13 18:20	07/12/13 15:25	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 140				07/11/13 18:20	07/12/13 15:25	1
Toluene-d8 (Surr)	94		58 - 140				07/11/13 18:20	07/12/13 15:25	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: RB-3

Lab Sample ID: 720-50856-4

Date Collected: 07/11/13 14:00

Matrix: Water

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/17/13 20:55	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 20:55	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 20:55	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 20:55	1
Naphthalene	ND		1.0		ug/L			07/17/13 20:55	1
Toluene	ND		0.50		ug/L			07/17/13 20:55	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 20:55	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/13 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					07/17/13 20:55	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 138					07/17/13 20:55	1
Toluene-d8 (Surr)	92		70 - 130					07/17/13 20:55	1



Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50856-5

Date Collected: 07/11/13 00:00

Matrix: Water

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/18/13 22:17	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/13 22:17	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/13 22:17	1
Ethylbenzene	ND		0.50		ug/L			07/18/13 22:17	1
Naphthalene	ND		1.0		ug/L			07/18/13 22:17	1
Toluene	ND		0.50		ug/L			07/18/13 22:17	1
Xylenes, Total	ND		1.0		ug/L			07/18/13 22:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/13 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		67 - 130					07/18/13 22:17	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 138					07/18/13 22:17	1
Toluene-d8 (Surr)	92		70 - 130					07/18/13 22:17	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-6

Date Collected: 07/11/13 14:15

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.5		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Ethylbenzene	ND		4.5		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Toluene	ND		4.5		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Xylenes, Total	ND		9.1		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
1,2-Dichloroethane	ND		4.5		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
cis-1,2-Dichloroethene	ND		4.5		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Naphthalene	ND		9.1		ug/Kg		07/11/13 18:20	07/12/13 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				07/11/13 18:20	07/12/13 15:52	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				07/11/13 18:20	07/12/13 15:52	1
Toluene-d8 (Surr)	95		58 - 140				07/11/13 18:20	07/12/13 15:52	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-7

Date Collected: 07/11/13 14:20

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Ethylbenzene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Toluene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Xylenes, Total	ND		8.3		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Naphthalene	ND		8.3		ug/Kg		07/11/13 18:20	07/12/13 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131				07/11/13 18:20	07/12/13 16:20	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 140				07/11/13 18:20	07/12/13 16:20	1
Toluene-d8 (Surr)	95		58 - 140				07/11/13 18:20	07/12/13 16:20	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-20

Lab Sample ID: 720-50856-8

Date Collected: 07/11/13 14:25

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.1		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Ethylbenzene	ND		4.1		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Toluene	ND		4.1		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Xylenes, Total	ND		8.2		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
1,2-Dichloroethane	ND		4.1		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Naphthalene	ND		8.2		ug/Kg		07/11/13 18:20	07/13/13 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131				07/11/13 18:20	07/13/13 03:35	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				07/11/13 18:20	07/13/13 03:35	1
Toluene-d8 (Surr)	95		58 - 140				07/11/13 18:20	07/13/13 03:35	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-9

Date Collected: 07/11/13 14:30

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	R	460		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
Gasoline Range Organics (GRO)	750000	J	46000		ug/Kg		07/11/13 18:20	07/16/13 13:23	200
-C5-C12									
Ethylbenzene	ND	R	460		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
Toluene	ND	R	460		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
Xylenes, Total	ND	R	910		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
1,2-Dichloroethane	ND	R	460		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
cis-1,2-Dichloroethene	ND	R	460		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
Naphthalene	ND	R	910		ug/Kg		07/11/13 18:20	07/13/13 17:47	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	0	X	66 - 148				07/11/13 18:20	07/13/13 17:47	100
4-Bromofluorobenzene	0	X	66 - 148				07/11/13 18:20	07/16/13 13:23	200
1,2-Dichloroethane-d4 (Surr)	84		62 - 137				07/11/13 18:20	07/13/13 17:47	100
1,2-Dichloroethane-d4 (Surr)	93		62 - 137				07/11/13 18:20	07/16/13 13:23	200
Toluene-d8 (Surr)	96		65 - 141				07/11/13 18:20	07/13/13 17:47	100
Toluene-d8 (Surr)	106		65 - 141				07/11/13 18:20	07/16/13 13:23	200

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: FD-5-20

Lab Sample ID: 720-50856-10

Date Collected: 07/11/13 15:45

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.6		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Ethylbenzene	ND		3.6		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Toluene	ND		3.6		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Xylenes, Total	ND		7.1		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		07/11/13 18:20	07/13/13 04:03	1
1,2-Dichloroethane	ND		3.6		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
cis-1,2-Dichloroethene	ND		3.6		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Naphthalene	ND		7.1		ug/Kg		07/11/13 18:20	07/12/13 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		45 - 131				07/11/13 18:20	07/12/13 17:45	1
4-Bromofluorobenzene	103		45 - 131				07/11/13 18:20	07/13/13 04:03	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140				07/11/13 18:20	07/12/13 17:45	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 140				07/11/13 18:20	07/13/13 04:03	1
Toluene-d8 (Surr)	97		58 - 140				07/11/13 18:20	07/12/13 17:45	1
Toluene-d8 (Surr)	95		58 - 140				07/11/13 18:20	07/13/13 04:03	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: SB-4-12

Lab Sample ID: 720-50856-11

Date Collected: 07/11/13 15:50

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.3		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Ethylbenzene	ND		4.3		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Toluene	ND		4.3		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Xylenes, Total	ND		8.6		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
1,2-Dichloroethane	ND		4.3		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Naphthalene	ND		8.6		ug/Kg		07/11/13 18:20	07/12/13 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		45 - 131				07/11/13 18:20	07/12/13 13:22	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				07/11/13 18:20	07/12/13 13:22	1
Toluene-d8 (Surr)	103		58 - 140				07/11/13 18:20	07/12/13 13:22	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: SB-4-15

Lab Sample ID: 720-50856-12

Date Collected: 07/11/13 15:55

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.0		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Ethylbenzene	ND		4.0		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Toluene	ND		4.0		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Xylenes, Total	ND		7.9		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
1,2-Dichloroethane	ND		4.0		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Naphthalene	ND		7.9		ug/Kg		07/11/13 18:20	07/12/13 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131				07/11/13 18:20	07/12/13 12:53	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				07/11/13 18:20	07/12/13 12:53	1
Toluene-d8 (Surr)	100		58 - 140				07/11/13 18:20	07/12/13 12:53	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: FD-4-7

Lab Sample ID: 720-50856-14

Date Collected: 07/11/13 14:50

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Acenaphthylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Benzo[a]anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Benzo[a]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Chrysene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Fluorene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Naphthalene	14	J	5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Phenanthrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		33 - 120				07/12/13 13:39	07/15/13 15:44	1
Terphenyl-d14	80		35 - 146				07/12/13 13:39	07/15/13 15:44	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-13

Date Collected: 07/11/13 14:30

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Acenaphthylene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Anthracene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Benzo[a]anthracene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Benzo[a]pyrene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Chrysene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Fluoranthene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Fluorene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Naphthalene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Phenanthrene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Pyrene	ND		4.9		ug/Kg		07/12/13 13:39	07/15/13 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		33 - 120				07/12/13 13:39	07/15/13 15:21	1
Terphenyl-d14	77		35 - 146				07/12/13 13:39	07/15/13 15:21	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-15

Date Collected: 07/11/13 14:20

Matrix: Solid

Date Received: 07/11/13 17:20

Method: 8270C SIM - PAHs by GCMS (SIM)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Acenaphthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Acenaphthylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Benzo[a]anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Benzo[a]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Benzo[b]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Benzo[k]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Chrysene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Fluorene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Naphthalene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Phenanthrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 14:58	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
2-Fluorobiphenyl	69		33 - 120				07/12/13 13:39	07/15/13 14:58	1	
Terphenyl-d14	81		35 - 146				07/12/13 13:39	07/15/13 14:58	1	

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-16

Date Collected: 07/11/13 14:15

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Acenaphthylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Benzo[a]anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Benzo[a]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Chrysene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Fluorene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Naphthalene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Phenanthrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		33 - 120				07/12/13 13:39	07/15/13 16:31	1
Terphenyl-d14	81		35 - 146				07/12/13 13:39	07/15/13 16:31	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: SB-4-20

Lab Sample ID: 720-50856-17

Date Collected: 07/11/13 16:00

Matrix: Solid

Date Received: 07/11/13 17:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		3.7		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Ethylbenzene	ND		3.7		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Toluene	ND		3.7		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Xylenes, Total	ND		7.4		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Gasoline Range Organics (GRO)	680		190		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
-C5-C12									
1,2-Dichloroethane	ND		3.7		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Naphthalene	ND		7.4		ug/Kg		07/11/13 18:20	07/12/13 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		45 - 131				07/11/13 18:20	07/12/13 12:24	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				07/11/13 18:20	07/12/13 12:24	1
Toluene-d8 (Surr)	106		58 - 140				07/11/13 18:20	07/12/13 12:24	1

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: MB 720-140009/4

Matrix: Solid

Analysis Batch: 140009

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		5.0		ug/Kg			07/12/13 09:59	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 09:59	1
Toluene	ND		5.0		ug/Kg			07/12/13 09:59	1
Xylenes, Total	ND		10		ug/Kg			07/12/13 09:59	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 09:59	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 09:59	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			07/12/13 09:59	1
-C5-C12									
Naphthalene	ND		10		ug/Kg			07/12/13 09:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	99		45 - 131		07/12/13 09:59	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140		07/12/13 09:59	1
Toluene-d8 (Surr)	102		58 - 140		07/12/13 09:59	1

Lab Sample ID: LCS 720-140009/5

Matrix: Solid

Analysis Batch: 140009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	51.2		ug/Kg		102	80 - 137
Toluene	50.0	51.4		ug/Kg		103	80 - 128
m-Xylene & p-Xylene	100	107		ug/Kg		107	70 - 146
o-Xylene	50.0	54.1		ug/Kg		108	70 - 140
1,2-Dichloroethane	50.0	50.5		ug/Kg		101	70 - 130
cis-1,2-Dichloroethene	50.0	52.3		ug/Kg		105	70 - 138
Naphthalene	50.0	60.2		ug/Kg		120	60 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	105		58 - 140

Lab Sample ID: LCS 720-140009/7

Matrix: Solid

Analysis Batch: 140009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
-C5-C12							

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	104		60 - 140
Toluene-d8 (Surr)	107		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCSD 720-140009/6

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140009

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	53.8		ug/Kg		108	70 - 130	3	20
Ethylbenzene	50.0	53.5		ug/Kg		107	80 - 137	4	20
Toluene	50.0	53.3		ug/Kg		107	80 - 128	4	20
m-Xylene & p-Xylene	100	111		ug/Kg		111	70 - 146	4	20
o-Xylene	50.0	56.0		ug/Kg		112	70 - 140	3	20
1,2-Dichloroethane	50.0	52.0		ug/Kg		104	70 - 130	3	20
cis-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	70 - 138	2	20
Naphthalene	50.0	63.8		ug/Kg		128	60 - 147	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	105		58 - 140

Lab Sample ID: LCSD 720-140009/8

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140009

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	930		ug/Kg		93	61 - 128	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	104		58 - 140

Lab Sample ID: MB 720-140010/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			07/12/13 09:50	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 09:50	1
Toluene	ND		5.0		ug/Kg			07/12/13 09:50	1
Xylenes, Total	ND		10		ug/Kg			07/12/13 09:50	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 09:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 09:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/12/13 09:50	1
Naphthalene	ND		10		ug/Kg			07/12/13 09:50	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		45 - 131		07/12/13 09:50	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140		07/12/13 09:50	1
Toluene-d8 (Surr)	97		58 - 140		07/12/13 09:50	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140010/5

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

Matrix: Solid

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Benzene	50.0	46.4		ug/Kg		93	70 - 130	
Ethylbenzene	50.0	47.0		ug/Kg		94	80 - 137	
Toluene	50.0	47.3		ug/Kg		95	80 - 128	
m-Xylene & p-Xylene	100	97.3		ug/Kg		97	70 - 146	
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140	
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130	
cis-1,2-Dichloroethene	50.0	44.7		ug/Kg		89	70 - 138	
Naphthalene	50.0	54.5		ug/Kg		109	60 - 147	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCS 720-140010/7

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

Matrix: Solid

Analysis Batch: 140010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Gasoline Range Organics (GRO) -C5-C12	1000	784		ug/Kg		78	61 - 128	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	108		45 - 131
1,2-Dichloroethane-d4 (Surr)	93		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCSD 720-140010/6

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

Matrix: Solid

Analysis Batch: 140010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Benzene	50.0	50.9		ug/Kg		102	70 - 130	9	20	
Ethylbenzene	50.0	52.5		ug/Kg		105	80 - 137	11	20	
Toluene	50.0	53.1		ug/Kg		106	80 - 128	12	20	
m-Xylene & p-Xylene	100	108		ug/Kg		108	70 - 146	11	20	
o-Xylene	50.0	55.2		ug/Kg		110	70 - 140	11	20	
1,2-Dichloroethane	50.0	53.4		ug/Kg		107	70 - 130	9	20	
cis-1,2-Dichloroethene	50.0	48.5		ug/Kg		97	70 - 138	8	20	
Naphthalene	50.0	59.3		ug/Kg		119	60 - 147	8	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	91		60 - 140
Toluene-d8 (Surr)	99		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCSD 720-140010/8
Matrix: Solid
Analysis Batch: 140010

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	1000	810		ug/Kg		81	61 - 128	3	20
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	108		45 - 131						
1,2-Dichloroethane-d4 (Surr)	91		60 - 140						
Toluene-d8 (Surr)	97		58 - 140						

Lab Sample ID: MB 720-140061/4
Matrix: Solid
Analysis Batch: 140061

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Ethylbenzene	ND		5.0		ug/Kg			07/12/13 20:08	1
Toluene	ND		5.0		ug/Kg			07/12/13 20:08	1
Xylenes, Total	ND		10		ug/Kg			07/12/13 20:08	1
1,2-Dichloroethane	ND		5.0		ug/Kg			07/12/13 20:08	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			07/12/13 20:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			07/12/13 20:08	1
Naphthalene	ND		10		ug/Kg			07/12/13 20:08	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		45 - 131					07/12/13 20:08	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140					07/12/13 20:08	1
Toluene-d8 (Surr)	97		58 - 140					07/12/13 20:08	1

Lab Sample ID: LCS 720-140061/5
Matrix: Solid
Analysis Batch: 140061

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.6		ug/Kg		93	70 - 130
Ethylbenzene	50.0	45.9		ug/Kg		92	80 - 137
Toluene	50.0	47.0		ug/Kg		94	80 - 128
m-Xylene & p-Xylene	100	93.4		ug/Kg		93	70 - 146
o-Xylene	50.0	47.9		ug/Kg		96	70 - 140
1,2-Dichloroethane	50.0	45.7		ug/Kg		91	70 - 130
cis-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	70 - 138
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	102		45 - 131				
1,2-Dichloroethane-d4 (Surr)	85		60 - 140				
Toluene-d8 (Surr)	98		58 - 140				

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140061/7
Matrix: Solid
Analysis Batch: 140061

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	1000	793		ug/Kg		79	61 - 128
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene	105		45 - 131				
1,2-Dichloroethane-d4 (Surr)	88		60 - 140				
Toluene-d8 (Surr)	98		58 - 140				

Lab Sample ID: LCSD 720-140061/6
Matrix: Solid
Analysis Batch: 140061

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
Benzene	50.0	46.8		ug/Kg		94	70 - 130	0	20
Ethylbenzene	50.0	46.3		ug/Kg		93	80 - 137	1	20
Toluene	50.0	47.4		ug/Kg		95	80 - 128	1	20
m-Xylene & p-Xylene	100	94.1		ug/Kg		94	70 - 146	1	20
o-Xylene	50.0	48.3		ug/Kg		97	70 - 140	1	20
1,2-Dichloroethane	50.0	45.4		ug/Kg		91	70 - 130	1	20
cis-1,2-Dichloroethene	50.0	43.3		ug/Kg		87	70 - 138	0	20
Naphthalene	50.0	54.2		ug/Kg		108	60 - 147	6	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	101		45 - 131						
1,2-Dichloroethane-d4 (Surr)	87		60 - 140						
Toluene-d8 (Surr)	99		58 - 140						

Lab Sample ID: LCSD 720-140061/8
Matrix: Solid
Analysis Batch: 140061

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	1000	784		ug/Kg		78	61 - 128	1	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	105		45 - 131						
1,2-Dichloroethane-d4 (Surr)	89		60 - 140						
Toluene-d8 (Surr)	98		58 - 140						

Lab Sample ID: LCS 720-140089/5
Matrix: Solid
Analysis Batch: 140089

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	100000	91500		ug/Kg		92	70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140089/5
Matrix: Solid
Analysis Batch: 140089

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	104		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	97		65 - 141

Lab Sample ID: LCSD 720-140089/6
Matrix: Solid
Analysis Batch: 140089

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

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO) -C5-C12	100000	89900		ug/Kg		90	70 - 130	2	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	107		66 - 148
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
Toluene-d8 (Surr)	98		65 - 141

Lab Sample ID: MB 720-140090/12
Matrix: Solid
Analysis Batch: 140090

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		500		ug/Kg			07/13/13 13:55	100
Ethylbenzene	ND		500		ug/Kg			07/13/13 13:55	100
Toluene	ND		500		ug/Kg			07/13/13 13:55	100
Xylenes, Total	ND		1000		ug/Kg			07/13/13 13:55	100
1,2-Dichloroethane	ND		500		ug/Kg			07/13/13 13:55	100
cis-1,2-Dichloroethene	ND		500		ug/Kg			07/13/13 13:55	100
Gasoline Range Organics (GRO) -C5-C12	ND		25000		ug/Kg			07/13/13 13:55	100
Naphthalene	ND		1000		ug/Kg			07/13/13 13:55	100

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	86		66 - 148		07/13/13 13:55	100
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		07/13/13 13:55	100
Toluene-d8 (Surr)	93		65 - 141		07/13/13 13:55	100

Lab Sample ID: LCS 720-140090/10
Matrix: Solid
Analysis Batch: 140090

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Benzene	5000	5180		ug/Kg		104	76 - 122	
Ethylbenzene	5000	5250		ug/Kg		105	76 - 137	
Toluene	5000	5160		ug/Kg		103	77 - 120	
m-Xylene & p-Xylene	10000	10900		ug/Kg		109	71 - 142	
1,2-Dichloroethane	5000	5080		ug/Kg		102	67 - 126	
cis-1,2-Dichloroethene	5000	5310		ug/Kg		106	84 - 139	

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140090/10

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140090

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	5000	5610		ug/Kg		112	62 - 151
Surrogate							
	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	102		66 - 148				
1,2-Dichloroethane-d4 (Surr)	99		62 - 137				
Toluene-d8 (Surr)	101		65 - 141				

Lab Sample ID: LCSD 720-140090/11

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 140090

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	5000	5190		ug/Kg		104	76 - 122	0	20
Ethylbenzene	5000	5180		ug/Kg		104	76 - 137	1	20
Toluene	5000	5140		ug/Kg		103	77 - 120	0	20
m-Xylene & p-Xylene	10000	10800		ug/Kg		108	71 - 142	1	20
1,2-Dichloroethane	5000	5110		ug/Kg		102	67 - 126	1	20
cis-1,2-Dichloroethene	5000	5290		ug/Kg		106	84 - 139	0	20
Naphthalene	5000	5700		ug/Kg		114	62 - 151	1	20
Surrogate									
	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	103		66 - 148						
1,2-Dichloroethane-d4 (Surr)	101		62 - 137						
Toluene-d8 (Surr)	102		65 - 141						

Lab Sample ID: MB 720-140281/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/17/13 10:54	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 10:54	1
Toluene	ND		0.50		ug/L			07/17/13 10:54	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 10:54	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 10:54	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 10:54	1
Gasoline Range Organics (GRO)	ND		50		ug/L			07/17/13 10:54	1
-C5-C12									
Naphthalene	ND		1.0		ug/L			07/17/13 10:54	1
Surrogate									
	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130					07/17/13 10:54	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 138					07/17/13 10:54	1
Toluene-d8 (Surr)	99		70 - 130					07/17/13 10:54	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140281/5

Matrix: Water

Analysis Batch: 140281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Benzene	25.0	25.6		ug/L		102	79 - 130	
Ethylbenzene	25.0	26.5		ug/L		106	80 - 120	
Toluene	25.0	26.8		ug/L		107	78 - 120	
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 142	
o-Xylene	25.0	26.5		ug/L		106	70 - 130	
1,2-Dichloroethane	25.0	28.3		ug/L		113	61 - 132	
cis-1,2-Dichloroethane	25.0	24.2		ug/L		97	70 - 130	
Naphthalene	25.0	27.7		ug/L		111	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: LCS 720-140281/7

Matrix: Water

Analysis Batch: 140281

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	464		ug/L		93	62 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 720-140281/6

Matrix: Water

Analysis Batch: 140281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Benzene	25.0	24.4		ug/L		98	79 - 130	5	20	
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	4	20	
Toluene	25.0	25.3		ug/L		101	78 - 120	6	20	
m-Xylene & p-Xylene	50.0	52.6		ug/L		105	70 - 142	4	20	
o-Xylene	25.0	25.3		ug/L		101	70 - 130	4	20	
1,2-Dichloroethane	25.0	26.8		ug/L		107	61 - 132	5	20	
cis-1,2-Dichloroethane	25.0	23.1		ug/L		92	70 - 130	5	20	
Naphthalene	25.0	25.9		ug/L		104	70 - 130	7	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		75 - 138
Toluene-d8 (Surr)	107		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCSD 720-140281/8

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	529		ug/L		106	62 - 120	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		75 - 138
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: MB 720-140395/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/18/13 19:59	1
Ethylbenzene	ND		0.50		ug/L			07/18/13 19:59	1
Toluene	ND		0.50		ug/L			07/18/13 19:59	1
Xylenes, Total	ND		1.0		ug/L			07/18/13 19:59	1
1,2-Dichloroethane	ND		0.50		ug/L			07/18/13 19:59	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/18/13 19:59	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/18/13 19:59	1
Naphthalene	ND		1.0		ug/L			07/18/13 19:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		67 - 130		07/18/13 19:59	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 138		07/18/13 19:59	1
Toluene-d8 (Surr)	95		70 - 130		07/18/13 19:59	1

Lab Sample ID: LCS 720-140395/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	23.9		ug/L		96	79 - 130
Ethylbenzene	25.0	25.7		ug/L		103	80 - 120
Toluene	25.0	25.9		ug/L		104	78 - 120
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 142
o-Xylene	25.0	26.0		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	23.2		ug/L		93	61 - 132
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	70 - 130
Naphthalene	25.0	27.7		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	96		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCS 720-140395/7
Matrix: Water
Analysis Batch: 140395

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	445		ug/L		89	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	91		75 - 138
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: LCSD 720-140395/6
Matrix: Water
Analysis Batch: 140395

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	25.0	24.4		ug/L		98	79 - 130	2	20
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120	2	20
Toluene	25.0	26.3		ug/L		105	78 - 120	1	20
m-Xylene & p-Xylene	50.0	51.5		ug/L		103	70 - 142	1	20
o-Xylene	25.0	26.1		ug/L		105	70 - 130	1	20
1,2-Dichloroethane	25.0	23.4		ug/L		93	61 - 132	1	20
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	70 - 130	3	20
Naphthalene	25.0	27.5		ug/L		110	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	91		75 - 138
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 720-140395/8
Matrix: Water
Analysis Batch: 140395

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO) -C5-C12	500 ^{nt}	452		ug/L		90	62 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	88		75 - 138
Toluene-d8 (Surr)	97		70 - 130

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: MB 720-140046/1-A

Matrix: Solid

Analysis Batch: 140118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140046

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Acenaphthylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Benzo[a]anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Benzo[a]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Chrysene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Fluoranthene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Fluorene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Naphthalene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Phenanthrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1
Pyrene	ND		5.0		ug/Kg		07/12/13 13:39	07/15/13 12:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	74		33 - 120	07/12/13 13:39	07/15/13 12:39	1
Terphenyl-d14	81		35 - 146	07/12/13 13:39	07/15/13 12:39	1

Lab Sample ID: LCS 720-140046/2-A

Matrix: Solid

Analysis Batch: 140118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140046

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acenaphthene	330	240		ug/Kg		73	49 - 120
Acenaphthylene	330	248		ug/Kg		75	52 - 120
Anthracene	330	284		ug/Kg		86	52 - 120
Benzo[a]anthracene	330	299		ug/Kg		91	52 - 120
Benzo[a]pyrene	330	304		ug/Kg		92	54 - 120
Benzo[b]fluoranthene	330	314		ug/Kg		95	51 - 120
Benzo[g,h,i]perylene	330	337		ug/Kg		102	48 - 120
Benzo[k]fluoranthene	330	302		ug/Kg		92	56 - 120
Chrysene	330	266		ug/Kg		80	40 - 120
Dibenz(a,h)anthracene	330	351		ug/Kg		106	50 - 120
Fluoranthene	330	280		ug/Kg		85	57 - 120
Fluorene	330	249		ug/Kg		75	52 - 120
Indeno[1,2,3-cd]pyrene	330	342		ug/Kg		104	48 - 120
Naphthalene	330	231		ug/Kg		70	46 - 120
Phenanthrene	330	241		ug/Kg		73	48 - 120
Pyrene	330	270		ug/Kg		82	53 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	76		33 - 120
Terphenyl-d14	90		35 - 146

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

GC/MS VOA (Continued)

Prep Batch: 140057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-17	SB-4-20	Total/NA	Solid	5035	

Analysis Batch: 140061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-8	MW-1-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
720-50856-10	FD-5-20	Total/NA	Solid	8260B/CA_LUFT MS	140084
LCS 720-140061/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140061/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140061/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140061/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-8	MW-1-20	Total/NA	Solid	5035	
720-50856-10	FD-5-20	Total/NA	Solid	5035	

Analysis Batch: 140089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-140089/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140089/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 140090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-140090/10	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140090/11	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140090/12	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-9	MW-1-7	Total/NA	Solid	5035	

Analysis Batch: 140100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-9	MW-1-7	Total/NA	Solid	8260B/CA_LUFT MS	140096

Analysis Batch: 140173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-9	MW-1-7	Total/NA	Solid	8260B/CA_LUFT MS	140096

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

GC/MS VOA

Analysis Batch: 140009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-11	SB-4-12	Total/NA	Solid	8260B/CA_LUFT MS	140057
720-50856-12	SB-4-15	Total/NA	Solid	8260B/CA_LUFT MS	140057
720-50856-17	SB-4-20	Total/NA	Solid	8260B/CA_LUFT MS	140057
LCS 720-140009/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140009/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140009/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140009/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140009/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 140010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-1	MW-3-12	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50856-2	MW-3-15	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50856-3	MW-3-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50856-6	MW-1-12	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50856-7	MW-1-15	Total/NA	Solid	8260B/CA_LUFT MS	140055
720-50856-10	FD-5-20	Total/NA	Solid	8260B/CA_LUFT MS	140055
LCS 720-140010/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-140010/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-140010/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-140010/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 140055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-1	MW-3-12	Total/NA	Solid	5035	
720-50856-2	MW-3-15	Total/NA	Solid	5035	
720-50856-3	MW-3-20	Total/NA	Solid	5035	
720-50856-6	MW-1-12	Total/NA	Solid	5035	
720-50856-7	MW-1-15	Total/NA	Solid	5035	
720-50856-10	FD-5-20	Total/NA	Solid	5035	

Prep Batch: 140057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-11	SB-4-12	Total/NA	Solid	5035	
720-50856-12	SB-4-15	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: LCSD 720-140046/3-A

Matrix: Solid

Analysis Batch: 140118

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140046

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Acenaphthene	329	230		ug/Kg		70	49 - 120	4	20	
Acenaphthylene	329	244		ug/Kg		74	52 - 120	2	20	
Anthracene	329	277		ug/Kg		84	52 - 120	2	20	
Benzo[a]anthracene	329	296		ug/Kg		90	52 - 120	1	20	
Benzo[a]pyrene	329	307		ug/Kg		93	54 - 120	1	20	
Benzo[b]fluoranthene	329	297		ug/Kg		90	51 - 120	6	20	
Benzo[g,h,i]perylene	329	329		ug/Kg		100	48 - 120	2	20	
Benzo[k]fluoranthene	329	309		ug/Kg		94	56 - 120	2	20	
Chrysene	329	264		ug/Kg		80	40 - 120	1	20	
Dibenz(a,h)anthracene	329	340		ug/Kg		103	50 - 120	3	20	
Fluoranthene	329	276		ug/Kg		84	57 - 120	2	20	
Fluorene	329	242		ug/Kg		74	52 - 120	3	20	
Indeno[1,2,3-cd]pyrene	329	333		ug/Kg		101	48 - 120	3	20	
Naphthalene	329	224		ug/Kg		68	46 - 120	3	20	
Phenanthrene	329	236		ug/Kg		72	48 - 120	2	20	
Pyrene	329	269		ug/Kg		82	53 - 120	0	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	74		33 - 120
Terphenyl-d14	91		35 - 146

Lab Sample ID: 720-50856-15 MS

Matrix: Solid

Analysis Batch: 140118

Client Sample ID: MW-1-15

Prep Type: Total/NA

Prep Batch: 140046

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
Acenaphthene	ND		333	222		ug/Kg		67	33 - 120	
Acenaphthylene	ND		333	235		ug/Kg		71	28 - 120	
Anthracene	ND		333	261		ug/Kg		78	36 - 120	
Benzo[a]anthracene	ND		333	280		ug/Kg		84	29 - 120	
Benzo[a]pyrene	ND		333	283		ug/Kg		84	24 - 120	
Benzo[b]fluoranthene	ND		333	288		ug/Kg		86	17 - 132	
Benzo[g,h,i]perylene	ND		333	266		ug/Kg		80	21 - 120	
Benzo[k]fluoranthene	ND		333	292		ug/Kg		88	35 - 120	
Chrysene	ND		333	246		ug/Kg		74	29 - 120	
Dibenz(a,h)anthracene	ND		333	305		ug/Kg		91	36 - 120	
Fluoranthene	ND		333	277		ug/Kg		83	24 - 120	
Fluorene	ND		333	236		ug/Kg		71	35 - 120	
Indeno[1,2,3-cd]pyrene	ND		333	292		ug/Kg		88	20 - 126	
Naphthalene	ND		333	211		ug/Kg		63	32 - 120	
Phenanthrene	ND		333	226		ug/Kg		68	28 - 120	
Pyrene	ND		333	250		ug/Kg		75	24 - 123	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	70		33 - 120
Terphenyl-d14	85		35 - 146

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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

Lab Sample ID: 720-50856-15 MSD

Matrix: Solid

Analysis Batch: 140118

Client Sample ID: MW-1-15

Prep Type: Total/NA

Prep Batch: 140046

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Acenaphthene	ND		330	213		ug/Kg		65	33 - 120	4	20
Acenaphthylene	ND		330	226		ug/Kg		69	28 - 120	4	20
Anthracene	ND		330	257		ug/Kg		78	36 - 120	1	20
Benzo[a]anthracene	ND		330	279		ug/Kg		84	29 - 120	1	20
Benzo[a]pyrene	ND		330	283		ug/Kg		85	24 - 120	0	20
Benzo[b]fluoranthene	ND		330	287		ug/Kg		86	17 - 132	0	20
Benzo[g,h,i]perylene	ND		330	268		ug/Kg		81	21 - 120	1	20
Benzo[k]fluoranthene	ND		330	286		ug/Kg		87	35 - 120	2	20
Chrysene	ND		330	245		ug/Kg		74	29 - 120	0	20
Dibenz(a,h)anthracene	ND		330	304		ug/Kg		92	36 - 120	0	20
Fluoranthene	ND		330	269		ug/Kg		82	24 - 120	3	20
Fluorene	ND		330	227		ug/Kg		69	35 - 120	4	20
Indeno[1,2,3-cd]pyrene	ND		330	287		ug/Kg		87	20 - 126	2	20
Naphthalene	ND		330	199		ug/Kg		60	32 - 120	6	20
Phenanthrene	ND		330	222		ug/Kg		67	28 - 120	2	20
Pyrene	ND		330	254		ug/Kg		77	24 - 123	1	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2-Fluorobiphenyl	68		33 - 120								
Terphenyl-d14	86		35 - 146								

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

GC/MS VOA (Continued)

Analysis Batch: 140281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-4	RB-3	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140281/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140281/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140281/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140281/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140281/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 140395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-5	TAL-SF-TB	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140395/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140395/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140395/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140395/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140395/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 140046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-13	MW-1-7	Total/NA	Solid	3546	
720-50856-14	FD-4-7	Total/NA	Solid	3546	
720-50856-15	MW-1-15	Total/NA	Solid	3546	
720-50856-15 MS	MW-1-15	Total/NA	Solid	3546	
720-50856-15 MSD	MW-1-15	Total/NA	Solid	3546	
720-50856-16	MW-1-12	Total/NA	Solid	3546	
LCS 720-140046/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-140046/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-140046/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 140118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50856-13	MW-1-7	Total/NA	Solid	8270C SIM	140046
720-50856-14	FD-4-7	Total/NA	Solid	8270C SIM	140046
720-50856-15	MW-1-15	Total/NA	Solid	8270C SIM	140046
720-50856-15 MS	MW-1-15	Total/NA	Solid	8270C SIM	140046
720-50856-15 MSD	MW-1-15	Total/NA	Solid	8270C SIM	140046
720-50856-16	MW-1-12	Total/NA	Solid	8270C SIM	140046
LCS 720-140046/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	140046
LCSD 720-140046/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	140046
MB 720-140046/1-A	Method Blank	Total/NA	Solid	8270C SIM	140046

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-3-12

Lab Sample ID: 720-50856-1

Date Collected: 07/11/13 08:15

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 14:29	LPL	TAL PLS

Client Sample ID: MW-3-15

Lab Sample ID: 720-50856-2

Date Collected: 07/11/13 08:20

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 14:57	LPL	TAL PLS

Client Sample ID: MW-3-20

Lab Sample ID: 720-50856-3

Date Collected: 07/11/13 08:25

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 15:25	LPL	TAL PLS

Client Sample ID: RB-3

Lab Sample ID: 720-50856-4

Date Collected: 07/11/13 14:00

Matrix: Water

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140281	07/17/13 20:55	YYB	TAL PLS

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-50856-5

Date Collected: 07/11/13 00:00

Matrix: Water

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140395	07/18/13 22:17	ASC	TAL PLS

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-6

Date Collected: 07/11/13 14:15

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 15:52	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-7

Date Collected: 07/11/13 14:20

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 16:20	LPL	TAL PLS

Client Sample ID: MW-1-20

Lab Sample ID: 720-50856-8

Date Collected: 07/11/13 14:25

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140084	07/11/13 18:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 03:35	LPL	TAL PLS

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-9

Date Collected: 07/11/13 14:30

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140096	07/11/13 18:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140100	07/13/13 17:47	ASC	TAL PLS
Total/NA	Prep	5035			140096	07/11/13 18:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		200	140173	07/16/13 13:23	LPL	TAL PLS

Client Sample ID: FD-5-20

Lab Sample ID: 720-50856-10

Date Collected: 07/11/13 15:45

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140055	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140010	07/12/13 17:45	LPL	TAL PLS
Total/NA	Prep	5035			140084	07/11/13 18:20	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140061	07/13/13 04:03	LPL	TAL PLS

Client Sample ID: SB-4-12

Lab Sample ID: 720-50856-11

Date Collected: 07/11/13 15:50

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140057	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140009	07/12/13 13:22	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Client Sample ID: SB-4-15

Lab Sample ID: 720-50856-12

Date Collected: 07/11/13 15:55

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140057	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140009	07/12/13 12:53	LPL	TAL PLS

Client Sample ID: MW-1-7

Lab Sample ID: 720-50856-13

Date Collected: 07/11/13 14:30

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			140046	07/12/13 13:39	AFM	TAL PLS
Total/NA	Analysis	8270C SIM		1	140118	07/15/13 15:21	MQL	TAL PLS

Client Sample ID: FD-4-7

Lab Sample ID: 720-50856-14

Date Collected: 07/11/13 14:50

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			140046	07/12/13 13:39	AFM	TAL PLS
Total/NA	Analysis	8270C SIM		1	140118	07/15/13 15:44	MQL	TAL PLS

Client Sample ID: MW-1-15

Lab Sample ID: 720-50856-15

Date Collected: 07/11/13 14:20

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			140046	07/12/13 13:39	AFM	TAL PLS
Total/NA	Analysis	8270C SIM		1	140118	07/15/13 14:58	MQL	TAL PLS

Client Sample ID: MW-1-12

Lab Sample ID: 720-50856-16

Date Collected: 07/11/13 14:15

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			140046	07/12/13 13:39	AFM	TAL PLS
Total/NA	Analysis	8270C SIM		1	140118	07/15/13 16:31	MQL	TAL PLS

Client Sample ID: SB-4-20

Lab Sample ID: 720-50856-17

Date Collected: 07/11/13 16:00

Matrix: Solid

Date Received: 07/11/13 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			140057	07/11/13 18:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140009	07/12/13 12:24	LPL	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Laboratory References:

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



Certification Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

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	01-31-14



Method Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50856-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-50856-1	MW-3-12	Solid	07/11/13 08:15	07/11/13 17:20
720-50856-2	MW-3-15	Solid	07/11/13 08:20	07/11/13 17:20
720-50856-3	MW-3-20	Solid	07/11/13 08:25	07/11/13 17:20
720-50856-4	RB-3	Water	07/11/13 14:00	07/11/13 17:20
720-50856-5	TAL-SF-TB	Water	07/11/13 00:00	07/11/13 17:20
720-50856-6	MW-1-12	Solid	07/11/13 14:15	07/11/13 17:20
720-50856-7	MW-1-15	Solid	07/11/13 14:20	07/11/13 17:20
720-50856-8	MW-1-20	Solid	07/11/13 14:25	07/11/13 17:20
720-50856-9	MW-1-7	Solid	07/11/13 14:30	07/11/13 17:20
720-50856-10	FD-5-20	Solid	07/11/13 15:45	07/11/13 17:20
720-50856-11	SB-4-12	Solid	07/11/13 15:50	07/11/13 17:20
720-50856-12	SB-4-15	Solid	07/11/13 15:55	07/11/13 17:20
720-50856-13	MW-1-7	Solid	07/11/13 14:30	07/11/13 17:20
720-50856-14	FD-4-7	Solid	07/11/13 14:50	07/11/13 17:20
720-50856-15	MW-1-15	Solid	07/11/13 14:20	07/11/13 17:20
720-50856-16	MW-1-12	Solid	07/11/13 14:15	07/11/13 17:20
720-50856-17	SB-4-20	Solid	07/11/13 16:00	07/11/13 17:20



TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-50856

Regulatory Program: DW NPDES RCRA Other: **UST Fund**

TestAmerica

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147734
TestAmerica Laboratories, Inc.

Client Contact URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 896-5858 (415) 882-9261 Project Name: 3884 MLK Site: P O # 28068161		Project Manager: Des Garner Tel/Fax: 415 243-3805		Site Contact: Erik Skov Lab Contact: Afsaneh		Date: 7/11 Carrier:		COC No: 1 of 3 COCs	
		Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) Composite = C / Grab = G 8260B (see special instructions) PAHs 8270C (SIM) CAM 17 Metals EPA 6010B				For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.: Sampler: Sample Specific Notes:	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.			
MW-3-12		7/11/13	8:15	Soil	3		X		
MW-3-15		7/11/13	8:20	Soil	3		X		
MW-3-20			8:25	Soil	3		X		
RB-3			1400	Water	3		X		
TAL-SF-TB			1415	Water	1		X		
MW-1-12			1415	Soil	3		X		
MW-1-15			1420	Soil	3		X		
MW-1-20			1425	Soil	3		X		
MW-1-7			1430	Soil	3		X		
FD-5-20			1545	Soil	3		X		
SB-4-12			1550	Soil	3		X		
SB-4-15			1555	Soil	3		X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE				
Relinquished by: [Signature]		Company: URS		Date/Time: 7/11/13 16:30		Received by: [Signature]		Company: TA	
Relinquished by: [Signature]		Company: TA		Date/Time: 7.11.13 1720		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: [Signature]		Company: [Signature]	



720-50856 Chain of Custody

4.5°

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7/19/2013



720-50850

Regulatory Program: DW NPDES RCRA Other: UST Fund

Client Contact URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 896-5858 (415) 882-9261 Project Name: 3884 MLK Site: P O # 28068161		Project Manager: Des Garner Tel/Fax: 415 243-3805		Site Contact: Erik Skov Lab Contact: Afsaneh		Date: 7/11/13 Carrier:		COC No: 2 of 3 COCs	
Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below <input checked="" type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N)		Composite = C / Grab = G		8260B (see special instructions)		PAHs 8270C (SIM)	
CAM 17 Metals EPA 6010B		Walk-in Client.		Lab Sampling:		Job / SDG No.		Sampler.	
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Sample Specific Notes.		
mw-1-7		7/11/13	1430		Soil	1	X		
FO-4-7		7/11/13	1450		Soil	1	X		
mw-1-15			1420		Soil	3	X	ms/msD	
mw-1-12			1415		Soil	1	X		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months		Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE					
Relinquished by: [Signature]	Company: URS	Date/Time: 7/11/13 16:30	Received by: [Signature]	Company: TA	Date/Time: 7-11-13 1630				
Relinquished by: [Signature]	Company: TA	Date/Time: 7-11-13 1720	Received by:	Company:	Date/Time:				
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [Signature]	Company: TestAmerica	Date/Time: 7-11-13 1720				

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7/19/2013



TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566
 phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-50856

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

147134
 TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other: UST Fund

Client Contact		Project Manager: Des Garner		Site Contact: Erik Skov		Date: 7/11/13		COC No:		
URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 896-5858 (415) 882-9261		Tel/Fax: 415 243-3805		Lab Contact: Afsaneh		Carrier:		3 of 3 COCs		
Project Name: 3884 MLK Site: P O # 28068161		Analysis Turnaround Time			Filtered Sample (Y/N)		Composite = C / Grab = G		8260B (see special instructions)	
		Calendar (C) or Work Days (W) _____ TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="checked" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	For Lab Use Only:		Sample Specific Notes:	
SB-4-20		7/11/13	1600		S1	3	<input checked="checked" type="checkbox"/>			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____		Possible Hazard Identification:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="checked" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months						
Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE										
Relinquished by: <i>[Signature]</i>	Company: URS	Date/Time: 7/11/13 16:51	Received by: <i>[Signature]</i>	Company: TA	Date/Time: 7-11-13 1630					
Relinquished by: <i>[Signature]</i>	Company: TA	Date/Time: 7-11-13 1722	Received by:	Company:	Date/Time:					
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:					

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7/19/2013

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-50856-1

Login Number: 50856

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

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



LEVEL III Data Validation Report

PROJECT: 3884 MLK/Oakland
LABORATORY: Test America, Pleasanton, CA
LAB NUMBER: 720-50902
SAMPLES: SB-4, SB-1, SB-2, RB-4
MATRIX: Water

Analysis	BTEX + Others* 8260B / CA_LUFT
Holding Time	✓
Surrogate Recovery	✓
MS/MSD	NA
LCS (Blank Spike)	✓
Method Blanks	✓
Field Duplicates	NA
Equipment Blanks	✓
Reporting Limits	✓

* 1,2-Dichloroethane; cis-1,2-Dichloroethene, Naphthalene, Gasoline Range Organic (C5-C12)

✓ – QC criteria were met.

Notes: None.

Summary:

Based on this Level III validation, these data are usable for their intended purpose. None of these data were qualified or rejected.

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: 720-50902-1
Client Project/Site: 3884 MLK/Oakland

For:
URS Corporation
One Montgomery Street
Suite 900
San Francisco, California 94104-4538

Attn: Mr. Des Garner



Authorized for release by:
7/19/2013 3:40:22 PM

Afsaneh Salimpour, Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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results through
Total Access

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 **Ask
The
Expert**

Visit us at:
www.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.

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Definitions/Glossary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

Case Narrative

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Job ID: 720-50902-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-50902-1

Comments

No additional comments.

Receipt

The samples were received on 7/12/2013 3:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

Except:

One or three voa vials for the following sample(s) was received at the lab broken: SB-4

GC/MS VOA

No other analytical or quality issues were noted.



Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: SB-4

Lab Sample ID: 720-50902-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	36		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Ethylbenzene	9.4		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Toluene	1.1		0.50		ug/L	1			8260B/CA_LUFT MS	Total/NA
Xylenes, Total	13		1.0		ug/L	1			8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	670		50		ug/L	1			8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-1

Lab Sample ID: 720-50902-2

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

Client Sample ID: SB-2

Lab Sample ID: 720-50902-3

No Detections.

Client Sample ID: RB-4

Lab Sample ID: 720-50902-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: SB-4

Lab Sample ID: 720-50902-1

Date Collected: 07/12/13 10:15

Matrix: Water

Date Received: 07/12/13 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	36		0.50		ug/L			07/17/13 18:21	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 18:21	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 18:21	1
Ethylbenzene	9.4		0.50		ug/L			07/17/13 18:21	1
Naphthalene	ND		1.0		ug/L			07/17/13 18:21	1
Toluene	1.1		0.50		ug/L			07/17/13 18:21	1
Xylenes, Total	13		1.0		ug/L			07/17/13 18:21	1
Gasoline Range Organics (GRO) -C5-C12	670		50		ug/L			07/17/13 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130		07/17/13 18:21	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 138		07/17/13 18:21	1
Toluene-d8 (Surr)	104		70 - 130		07/17/13 18:21	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: SB-1

Lab Sample ID: 720-50902-2

Date Collected: 07/12/13 11:15

Matrix: Water

Date Received: 07/12/13 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/17/13 18:52	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 18:52	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 18:52	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 18:52	1
Naphthalene	ND		1.0		ug/L			07/17/13 18:52	1
Toluene	ND		0.50		ug/L			07/17/13 18:52	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 18:52	1
Gasoline Range Organics (GRO)	120		50		ug/L			07/17/13 18:52	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					07/17/13 18:52	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 138					07/17/13 18:52	1
Toluene-d8 (Surr)	99		70 - 130					07/17/13 18:52	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: SB-2

Lab Sample ID: 720-50902-3

Date Collected: 07/12/13 12:00

Matrix: Water

Date Received: 07/12/13 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/17/13 19:23	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 19:23	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 19:23	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 19:23	1
Naphthalene	ND		1.0		ug/L			07/17/13 19:23	1
Toluene	ND		0.50		ug/L			07/17/13 19:23	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 19:23	1
Gasoline Range Organics (GRO)	ND		50		ug/L			07/17/13 19:23	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130		07/17/13 19:23	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 138		07/17/13 19:23	1
Toluene-d8 (Surr)	96		70 - 130		07/17/13 19:23	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: RB-4

Lab Sample ID: 720-50902-4

Date Collected: 07/12/13 14:00

Matrix: Water

Date Received: 07/12/13 15:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/17/13 19:54	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 19:54	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 19:54	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 19:54	1
Naphthalene	ND		1.0		ug/L			07/17/13 19:54	1
Toluene	ND		0.50		ug/L			07/17/13 19:54	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 19:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/13 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					07/17/13 19:54	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 138					07/17/13 19:54	1
Toluene-d8 (Surr)	93		70 - 130					07/17/13 19:54	1

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

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

Lab Sample ID: MB 720-140281/4

Matrix: Water

Analysis Batch: 140281

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	ND		0.50		ug/L			07/17/13 10:54	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/13 10:54	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/17/13 10:54	1
Ethylbenzene	ND		0.50		ug/L			07/17/13 10:54	1
Naphthalene	ND		1.0		ug/L			07/17/13 10:54	1
Toluene	ND		0.50		ug/L			07/17/13 10:54	1
Xylenes, Total	ND		1.0		ug/L			07/17/13 10:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/17/13 10:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	96		67 - 130		07/17/13 10:54	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 138		07/17/13 10:54	1
Toluene-d8 (Surr)	99		70 - 130		07/17/13 10:54	1

Lab Sample ID: LCS 720-140281/5

Matrix: Water

Analysis Batch: 140281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	25.0	28.3		ug/L		113	61 - 132
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	70 - 130
Ethylbenzene	25.0	26.5		ug/L		106	80 - 120
Naphthalene	25.0	27.7		ug/L		111	70 - 130
Toluene	25.0	26.8		ug/L		107	78 - 120
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 142
o-Xylene	25.0	26.5		ug/L		106	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: LCS 720-140281/7

Matrix: Water

Analysis Batch: 140281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		75 - 138
Toluene-d8 (Surr)	104		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

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

Lab Sample ID: LCSD 720-140281/6

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	25.0	24.4		ug/L		98	79 - 130	5	20
1,2-Dichloroethane	25.0	26.8		ug/L		107	61 - 132	5	20
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	70 - 130	5	20
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	4	20
Naphthalene	25.0	25.9		ug/L		104	70 - 130	7	20
Toluene	25.0	25.3		ug/L		101	78 - 120	6	20
m-Xylene & p-Xylene	50.0	52.6		ug/L		105	70 - 142	4	20
o-Xylene	25.0	25.3		ug/L		101	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		75 - 138
Toluene-d8 (Surr)	107		70 - 130

Lab Sample ID: LCSD 720-140281/8

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 140281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	529		ug/L		106	62 - 120	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		75 - 138
Toluene-d8 (Surr)	105		70 - 130

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

GC/MS VOA

Analysis Batch: 140281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-50902-1	SB-4	Total/NA	Water	8260B/CA_LUFT MS	
720-50902-2	SB-1	Total/NA	Water	8260B/CA_LUFT MS	
720-50902-3	SB-2	Total/NA	Water	8260B/CA_LUFT MS	
720-50902-4	RB-4	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140281/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140281/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140281/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140281/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140281/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Client Sample ID: SB-4

Lab Sample ID: 720-50902-1

Date Collected: 07/12/13 10:15

Matrix: Water

Date Received: 07/12/13 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140281	07/17/13 18:21	YYB	TAL PLS

Client Sample ID: SB-1

Lab Sample ID: 720-50902-2

Date Collected: 07/12/13 11:15

Matrix: Water

Date Received: 07/12/13 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140281	07/17/13 18:52	YYB	TAL PLS

Client Sample ID: SB-2

Lab Sample ID: 720-50902-3

Date Collected: 07/12/13 12:00

Matrix: Water

Date Received: 07/12/13 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140281	07/17/13 19:23	YYB	TAL PLS

Client Sample ID: RB-4

Lab Sample ID: 720-50902-4

Date Collected: 07/12/13 14:00

Matrix: Water

Date Received: 07/12/13 15:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140281	07/17/13 19:54	YYB	TAL PLS

Laboratory References:

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

TestAmerica Pleasanton

Certification Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

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	01-31-14



Method Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-50902-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-50902-1	SB-4	Water	07/12/13 10:15	07/12/13 15:40
720-50902-2	SB-1	Water	07/12/13 11:15	07/12/13 15:40
720-50902-3	SB-2	Water	07/12/13 12:00	07/12/13 15:40
720-50902-4	RB-4	Water	07/12/13 14:00	07/12/13 15:40



TestAmerica Pleasanton

1220 Quarry Lane

720-50902

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Regulatory Program: DW NPDES RCRA Other UST Fund

Client Contact		Project Manager: Des Garner		Site Contact: Erik Skov		Date: 7/12/13		COC No:		
URS Corporation		Tel/Fax: 415 243-3805		Lab Contact: Afsaneh		Carrier:		_____ of _____ COCs		
One Montgomery Street, Suite 900		Analysis Turnaround Time		Filtered Sample (Y/N) Composite = C / Grab = G 8260B (see special instructions) PAHs 8270C (SIM) CAM 17 Metals EPA 6010B		For Lab Use Only: Walk-in Client. <input type="checkbox"/> Lab Sampling. <input type="checkbox"/> Job / SDG No _____ Sampler _____		Sample Specific Notes:		
San Francisco, CA, 94104		Calendar (C) or Work Days (W)								
(415) 896-5858		TAT if different from Below _____								
(415) 882-9261		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day								
Project Name 3884 MLK										
Site:										
P O # 28068161										
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample (Y/N)	Composite = C / Grab = G	8260B (see special instructions)	PAHs 8270C (SIM)	CAM 17 Metals EPA 6010B
SB-4	7/12/13	10:15	water		3		X			
SB-1		11:15	water		3		X			
SB-2		12:00	water		3		X			
RB-4		1400	water		3		X			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample						<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE										
Relinquished by: <i>[Signature]</i>	Company: URS	Date/Time: 7/12/13 1425	Received by: <i>[Signature]</i>	Company: TA	Date/Time: 7-12-13 1425					
Relinquished by: <i>[Signature]</i>	Company: TA	Date/Time: 7-12-13 1540	Received by:	Company:	Date/Time:					
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <i>[Signature]</i>	Company: TestAmerica	Date/Time: 7-12-13 1540					



720-50902 Chain of Custody

2.00

7/19/2013
Page 17 of 18

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-50902-1

Login Number: 50902

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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: 720-51052-1
Client Project/Site: 3884 MLK/Oakland

For:
URS Corporation
One Montgomery Street
Suite 900
San Francisco, California 94104-4538

Attn: Mr. Des Garner



Authorized for release by:
7/26/2013 4:13:33 PM

Afsaneh Salimpour, Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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results through
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www.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.

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Definitions/Glossary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
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)

Case Narrative

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Job ID: 720-51052-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-51052-1

Comments

No additional comments.

Receipt

The samples were received on 7/18/2013 3:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3° C.

Except:

Insufficient sample volume was provided for the following sample(s) for the Dissolved Gases, TOC and Sulfide analysis: MW-1. Only received 3-40ml Hcl vials for Dissolved Gases, 3-40ml amber H2SO4 vials for TOC and 1-poly 500ml Zn Acetate and NaOH for Sulfide. Can only run MS/MSD on 8260 (TPH-Gas,BTEX, Napthalene, 1,2-DCA and cis-1,2-DCE), Ferrous Iron, Nitrate, Nitrite, Sulfate.

Sample MW-2 received 3-40ml amber Hcl vials for Ferrous Iron, Ferrous Fe is not requested on the COC for this sample. The lab ran the Ferrous Fe on MW-2.

GC/MS VOA

No analytical or quality issues were noted.

GC VOA

No other analytical or quality issues were noted.

General Chemistry

Method(s) 300.0: The following sample(s) was diluted due to the abundance of non-target analytes: MW-1 (720-51052-1), MW-2 (720-51052-2), MW-4 (720-51052-4), MW-5 (720-51052-5). Elevated reporting limits (RLs) are provided for nitrite.

Method(s) SM 3500 FE D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: MW-1 (720-51052-1), MW-1 (720-51052-1 MS), MW-1 (720-51052-1 MSD), MW-2 (720-51052-2), MW-4 (720-51052-4), MW-5 (720-51052-5)

No other analytical or quality issues were noted.

Detection Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-1

Lab Sample ID: 720-51052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	4.5		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Nitrate as NO3	1.1		1.0		mg/L	1		300.0	Total/NA
Sulfate	40		10		mg/L	10		300.0	Total/NA
TOC Dup	4.0		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 720-51052-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	220		2.5		ug/L	5		8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	4.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	4.6		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	2.9		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	35		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	560		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Methane	25		5.0		ug/L	1		RSK-175	Total/NA
Nitrate as NO3	4.6		1.0		mg/L	1		300.0	Total/NA
Sulfate	64		10		mg/L	10		300.0	Total/NA
TOC Dup	7.8		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 720-51052-3

No Detections.

Client Sample ID: MW-4

Lab Sample ID: 720-51052-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	980		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	0.71		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	270		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	180		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	510		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	2600		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	9500		5000		ug/L	100		8260B/CA_LUFT MS	Total/NA
Methane	180		5.0		ug/L	1		RSK-175	Total/NA
Sulfate	51		10		mg/L	10		300.0	Total/NA
Ferrous Iron	2.0	HF	0.10		mg/L	1		SM 3500 FE D	Total/NA
TOC Dup	11		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 720-51052-5

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-5 (Continued)

Lab Sample ID: 720-51052-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as NO3	33		10		mg/L	10		300.0	Total/NA
Sulfate	91		10		mg/L	10		300.0	Total/NA
TOC Dup	2.8		1.0		mg/L	1		SM 5310C	Total/NA

Client Sample ID: MW-40

Lab Sample ID: 720-51052-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
1,2-Dichloroethane	0.61		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Ethylbenzene	800		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Naphthalene	180		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Toluene	930		50		ug/L	100		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	3500		100		ug/L	100		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	13000		5000		ug/L	100		8260B/CA_LUFT MS	Total/NA

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-51052-7

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-1

Lab Sample ID: 720-51052-1

Date Collected: 07/18/13 12:05

Matrix: Water

Date Received: 07/18/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/25/13 00:34	1
1,2-Dichloroethane	4.5		0.50		ug/L			07/25/13 00:34	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 00:34	1
Ethylbenzene	ND		0.50		ug/L			07/25/13 00:34	1
Naphthalene	ND		1.0		ug/L			07/25/13 00:34	1
Toluene	ND		0.50		ug/L			07/25/13 00:34	1
Xylenes, Total	ND		1.0		ug/L			07/25/13 00:34	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/25/13 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					07/25/13 00:34	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 138					07/25/13 00:34	1
Toluene-d8 (Surr)	94		70 - 130					07/25/13 00:34	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		5.0		ug/L			07/23/13 09:31	1
Ethylene	ND		5.0		ug/L			07/23/13 09:31	1
Ethane	ND		5.0		ug/L			07/23/13 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	1.1		1.0		mg/L			07/18/13 19:43	1
Sulfate	40		10		mg/L			07/19/13 18:26	10
Nitrite as NO2	ND		10		mg/L			07/18/13 20:00	10
Ferrous Iron	ND	HF	0.10		mg/L			07/18/13 20:27	1
Sulfide	ND		1.0		mg/L			07/22/13 22:55	1
TOC Dup	4.0		1.0		mg/L			07/24/13 09:55	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-2
Date Collected: 07/18/13 10:30
Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	220		2.5		ug/L			07/25/13 23:59	5
1,2-Dichloroethane	4.3		0.50		ug/L			07/25/13 01:57	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 01:57	1
Ethylbenzene	4.6		0.50		ug/L			07/25/13 01:57	1
Naphthalene	ND		1.0		ug/L			07/25/13 01:57	1
Toluene	2.9		0.50		ug/L			07/25/13 01:57	1
Xylenes, Total	35		1.0		ug/L			07/25/13 01:57	1
Gasoline Range Organics (GRO)	560		50		ug/L			07/25/13 01:57	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130					07/25/13 01:57	1
4-Bromofluorobenzene	103		67 - 130					07/25/13 23:59	5
1,2-Dichloroethane-d4 (Surr)	90		75 - 138					07/25/13 01:57	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 138					07/25/13 23:59	5
Toluene-d8 (Surr)	96		70 - 130					07/25/13 01:57	1
Toluene-d8 (Surr)	100		70 - 130					07/25/13 23:59	5

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	25		5.0		ug/L			07/23/13 09:35	1
Ethylene	ND		5.0		ug/L			07/23/13 09:35	1
Ethane	ND		5.0		ug/L			07/23/13 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	4.6		1.0		mg/L			07/18/13 20:17	1
Sulfate	64		10		mg/L			07/18/13 20:34	10
Nitrite as NO2	ND		10		mg/L			07/18/13 20:34	10
Ferrous Iron	ND	HF	0.10		mg/L			07/18/13 20:27	1
Sulfide	ND		1.0		mg/L			07/22/13 22:57	1
TOC Dup	7.8		1.0		mg/L			07/24/13 10:50	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-3
Date Collected: 07/18/13 10:00
Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/25/13 02:25	1
1,2-Dichloroethane	ND		0.50		ug/L			07/25/13 02:25	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 02:25	1
Ethylbenzene	ND		0.50		ug/L			07/25/13 02:25	1
Naphthalene	ND		1.0		ug/L			07/25/13 02:25	1
Toluene	ND		0.50		ug/L			07/25/13 02:25	1
Xylenes, Total	ND		1.0		ug/L			07/25/13 02:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/25/13 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		67 - 130					07/25/13 02:25	1
1,2-Dichloroethane-d4 (Surr)	87		75 - 138					07/25/13 02:25	1
Toluene-d8 (Surr)	94		70 - 130					07/25/13 02:25	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-4
Date Collected: 07/18/13 11:10
Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	980		50		ug/L			07/26/13 00:25	100
1,2-Dichloroethane	0.71		0.50		ug/L			07/25/13 02:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 02:53	1
Ethylbenzene	270		50		ug/L			07/26/13 00:25	100
Naphthalene	180		1.0		ug/L			07/25/13 02:53	1
Toluene	510		50		ug/L			07/26/13 00:25	100
Xylenes, Total	2600		100		ug/L			07/26/13 00:25	100
Gasoline Range Organics (GRO)	9500		5000		ug/L			07/26/13 00:25	100
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		67 - 130		07/25/13 02:53	1
4-Bromofluorobenzene	107		67 - 130		07/26/13 00:25	100
1,2-Dichloroethane-d4 (Surr)	87		75 - 138		07/25/13 02:53	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 138		07/26/13 00:25	100
Toluene-d8 (Surr)	95		70 - 130		07/25/13 02:53	1
Toluene-d8 (Surr)	101		70 - 130		07/26/13 00:25	100

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	180		5.0		ug/L			07/23/13 09:39	1
Ethylene	ND		5.0		ug/L			07/23/13 09:39	1
Ethane	ND		5.0		ug/L			07/23/13 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	ND		1.0		mg/L			07/18/13 20:51	1
Sulfate	51		10		mg/L			07/18/13 21:09	10
Nitrite as NO2	ND		10		mg/L			07/18/13 21:09	10
Ferrous Iron	2.0	HF	0.10		mg/L			07/18/13 20:27	1
Sulfide	ND		1.0		mg/L			07/22/13 23:00	1
TOC Dup	11		1.0		mg/L			07/24/13 13:30	1

Client Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-5
Date Collected: 07/18/13 09:00
Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/25/13 03:20	1
1,2-Dichloroethane	ND		0.50		ug/L			07/25/13 03:20	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 03:20	1
Ethylbenzene	ND		0.50		ug/L			07/25/13 03:20	1
Naphthalene	ND		1.0		ug/L			07/25/13 23:33	1
Toluene	ND		0.50		ug/L			07/25/13 03:20	1
Xylenes, Total	ND		1.0		ug/L			07/25/13 03:20	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/25/13 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130		07/25/13 03:20	1
4-Bromofluorobenzene	100		67 - 130		07/25/13 23:33	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 138		07/25/13 03:20	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 138		07/25/13 23:33	1
Toluene-d8 (Surr)	95		70 - 130		07/25/13 03:20	1
Toluene-d8 (Surr)	99		70 - 130		07/25/13 23:33	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		5.0		ug/L			07/23/13 09:59	1
Ethylene	ND		5.0		ug/L			07/23/13 09:59	1
Ethane	ND		5.0		ug/L			07/23/13 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	33		10		mg/L			07/18/13 21:43	10
Sulfate	91		10		mg/L			07/18/13 21:43	10
Nitrite as NO2	ND		10		mg/L			07/18/13 21:43	10
Ferrous Iron	ND	HF	0.10		mg/L			07/18/13 20:27	1
Sulfide	ND		1.0		mg/L			07/22/13 23:02	1
TOC Dup	2.8		1.0		mg/L			07/24/13 11:22	1

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-40

Lab Sample ID: 720-51052-6

Date Collected: 07/18/13 11:15

Matrix: Water

Date Received: 07/18/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1100		50		ug/L			07/26/13 00:51	100
1,2-Dichloroethane	0.61		0.50		ug/L			07/25/13 03:48	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 03:48	1
Ethylbenzene	800		50		ug/L			07/26/13 00:51	100
Naphthalene	180		1.0		ug/L			07/25/13 03:48	1
Toluene	930		50		ug/L			07/26/13 00:51	100
Xylenes, Total	3500		100		ug/L			07/26/13 00:51	100
Gasoline Range Organics (GRO)	13000		5000		ug/L			07/26/13 00:51	100

-C5-C12

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		67 - 130		07/25/13 03:48	1
4-Bromofluorobenzene	105		67 - 130		07/26/13 00:51	100
1,2-Dichloroethane-d4 (Surr)	83		75 - 138		07/25/13 03:48	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 138		07/26/13 00:51	100
Toluene-d8 (Surr)	95		70 - 130		07/25/13 03:48	1
Toluene-d8 (Surr)	100		70 - 130		07/26/13 00:51	100

Client Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-51052-7

Date Collected: 07/18/13 00:00

Matrix: Water

Date Received: 07/18/13 15:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/25/13 00:07	1
1,2-Dichloroethane	ND		0.50		ug/L			07/25/13 00:07	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 00:07	1
Ethylbenzene	ND		0.50		ug/L			07/25/13 00:07	1
Naphthalene	ND		1.0		ug/L			07/25/13 00:07	1
Toluene	ND		0.50		ug/L			07/25/13 00:07	1
Xylenes, Total	ND		1.0		ug/L			07/25/13 00:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/25/13 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130					07/25/13 00:07	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 138					07/25/13 00:07	1
Toluene-d8 (Surr)	95		70 - 130					07/25/13 00:07	1

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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

Lab Sample ID: MB 720-140799/5

Matrix: Water

Analysis Batch: 140799

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/24/13 20:00	1
1,2-Dichloroethane	ND		0.50		ug/L			07/24/13 20:00	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/24/13 20:00	1
Ethylbenzene	ND		0.50		ug/L			07/24/13 20:00	1
Naphthalene	ND		1.0		ug/L			07/24/13 20:00	1
Toluene	ND		0.50		ug/L			07/24/13 20:00	1
Xylenes, Total	ND		1.0		ug/L			07/24/13 20:00	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/24/13 20:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		07/24/13 20:00	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 138		07/24/13 20:00	1
Toluene-d8 (Surr)	96		70 - 130		07/24/13 20:00	1

Lab Sample ID: LCS 720-140799/6

Matrix: Water

Analysis Batch: 140799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.4		ug/L		98	79 - 130
1,2-Dichloroethane	25.0	23.9		ug/L		96	61 - 132
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	70 - 130
Ethylbenzene	25.0	25.6		ug/L		103	80 - 120
Naphthalene	25.0	27.9		ug/L		111	70 - 130
Toluene	25.0	26.0		ug/L		104	78 - 120
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 142
o-Xylene	25.0	25.9		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: LCS 720-140799/8

Matrix: Water

Analysis Batch: 140799

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	449		ug/L		90	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	97		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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

Lab Sample ID: LCSD 720-140799/7

Matrix: Water

Analysis Batch: 140799

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
Benzene	25.0	24.3		ug/L		97	79 - 130	1	20
1,2-Dichloroethane	25.0	23.5		ug/L		94	61 - 132	2	20
cis-1,2-Dichloroethene	25.0	24.3		ug/L		97	70 - 130	1	20
Ethylbenzene	25.0	24.8		ug/L		99	80 - 120	3	20
Naphthalene	25.0	29.0		ug/L		116	70 - 130	4	20
Toluene	25.0	25.6		ug/L		103	78 - 120	1	20
m-Xylene & p-Xylene	50.0	50.3		ug/L		101	70 - 142	2	20
o-Xylene	25.0	25.7		ug/L		103	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 720-140799/9

Matrix: Water

Analysis Batch: 140799

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	425		ug/L		85	62 - 120	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: 720-51052-1 MS

Matrix: Water

Analysis Batch: 140799

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		25.0	24.5		ug/L		98	60 - 140
1,2-Dichloroethane	4.5		25.0	28.2		ug/L		95	60 - 140
cis-1,2-Dichloroethene	ND		25.0	24.6		ug/L		98	60 - 140
Ethylbenzene	ND		25.0	25.1		ug/L		100	60 - 140
Naphthalene	ND		25.0	27.1		ug/L		108	56 - 140
Toluene	ND		25.0	25.7		ug/L		103	60 - 140
m-Xylene & p-Xylene	ND		50.0	50.5		ug/L		101	60 - 140
o-Xylene	ND		25.0	26.0		ug/L		104	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	89		75 - 138
Toluene-d8 (Surr)	96		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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

Lab Sample ID: 720-51052-1 MSD

Matrix: Water

Analysis Batch: 140799

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		25.0	24.3		ug/L		97	60 - 140	1	20
1,2-Dichloroethane	4.5		25.0	27.9		ug/L		94	60 - 140	1	20
cis-1,2-Dichloroethene	ND		25.0	24.3		ug/L		97	60 - 140	1	20
Ethylbenzene	ND		25.0	24.9		ug/L		100	60 - 140	1	20
Naphthalene	ND		25.0	26.0		ug/L		104	56 - 140	4	20
Toluene	ND		25.0	25.3		ug/L		101	60 - 140	2	20
m-Xylene & p-Xylene	ND		50.0	50.0		ug/L		100	60 - 140	1	20
o-Xylene	ND		25.0	25.8		ug/L		103	60 - 140	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	84		75 - 138
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 720-140901/4

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			07/25/13 17:30	1
1,2-Dichloroethane	ND		0.50		ug/L			07/25/13 17:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			07/25/13 17:30	1
Ethylbenzene	ND		0.50		ug/L			07/25/13 17:30	1
Naphthalene	ND		1.0		ug/L			07/25/13 17:30	1
Toluene	ND		0.50		ug/L			07/25/13 17:30	1
Xylenes, Total	ND		1.0		ug/L			07/25/13 17:30	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			07/25/13 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		67 - 130		07/25/13 17:30	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 138		07/25/13 17:30	1
Toluene-d8 (Surr)	100		70 - 130		07/25/13 17:30	1

Lab Sample ID: LCS 720-140901/5

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.2		ug/L		97	79 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	61 - 132
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	70 - 130
Ethylbenzene	25.0	25.9		ug/L		104	80 - 120
Naphthalene	25.0	25.8		ug/L		103	70 - 130
Toluene	25.0	25.2		ug/L		101	78 - 120
m-Xylene & p-Xylene	50.0	56.5		ug/L		113	70 - 142
o-Xylene	25.0	28.1		ug/L		112	70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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

Lab Sample ID: LCS 720-140901/5

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	112		67 - 130
1,2-Dichloroethane-d4 (Surr)	90		75 - 138
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: LCS 720-140901/7

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO) -C5-C12	500	525		ug/L		105	62 - 120

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	115		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		75 - 138
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 720-140901/6

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Benzene	25.0	24.2		ug/L		97	79 - 130	0	20
1,2-Dichloroethane	25.0	25.1		ug/L		101	61 - 132	2	20
cis-1,2-Dichloroethane	25.0	24.0		ug/L		96	70 - 130	0	20
Ethylbenzene	25.0	26.0		ug/L		104	80 - 120	0	20
Naphthalene	25.0	27.1		ug/L		108	70 - 130	5	20
Toluene	25.0	25.4		ug/L		102	78 - 120	1	20
m-Xylene & p-Xylene	50.0	56.3		ug/L		113	70 - 142	1	20
o-Xylene	25.0	28.0		ug/L		112	70 - 130	0	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	110		67 - 130
1,2-Dichloroethane-d4 (Surr)	90		75 - 138
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 720-140901/8

Matrix: Water

Analysis Batch: 140901

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec. Limits	RPD	Limit
		Result	Qualifier						
Gasoline Range Organics (GRO) -C5-C12	500	528		ug/L		106	62 - 120	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	113		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		75 - 138

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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

Lab Sample ID: LCSD 720-140901/8
Matrix: Water
Analysis Batch: 140901

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	105		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 280-183880/6
Matrix: Water
Analysis Batch: 183880

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methane	ND		5.0		ug/L			07/23/13 08:45	1
Ethylene	ND		5.0		ug/L			07/23/13 08:45	1
Ethane	ND		5.0		ug/L			07/23/13 08:45	1

Lab Sample ID: LCS 280-183880/4
Matrix: Water
Analysis Batch: 183880

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Methane	146	141		ug/L		97	75 - 125
Ethylene	255	232		ug/L		91	75 - 125
Ethane	274	248		ug/L		91	75 - 125

Lab Sample ID: LCSD 280-183880/5
Matrix: Water
Analysis Batch: 183880

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

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Methane	146	141		ug/L		96	75 - 125	0	20
Ethylene	255	231		ug/L		90	75 - 125	1	20
Ethane	274	248		ug/L		91	75 - 125	0	20

Lab Sample ID: 720-51052-5 DU
Matrix: Water
Analysis Batch: 183880

Client Sample ID: MW-5
Prep Type: Total/NA

Analyte	Sample Sample		DU DU		Unit	D	RPD	RPD	
	Result	Qualifier	Result	Qualifier				RPD	Limit
Methane	ND		ND		ug/L		NC		20
Ethylene	ND		ND		ug/L		NC		20
Ethane	ND		ND		ug/L		NC		20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 720-140361/4
Matrix: Water
Analysis Batch: 140361

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfate	ND		1.0		mg/L			07/18/13 10:02	1

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 720-140361/5

Matrix: Water

Analysis Batch: 140361

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.80		mg/L		98	90 - 110

Lab Sample ID: MB 720-140362/4

Matrix: Water

Analysis Batch: 140362

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	ND		1.0		mg/L			07/18/13 10:02	1
Nitrite as NO2	ND		1.0		mg/L			07/18/13 10:02	1

Lab Sample ID: LCS 720-140362/5

Matrix: Water

Analysis Batch: 140362

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as NO3	10.0	9.54		mg/L		95	90 - 110
Nitrite as NO2	10.0	9.58		mg/L		96	90 - 110

Lab Sample ID: MB 720-140437/4

Matrix: Water

Analysis Batch: 140437

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0		mg/L			07/19/13 09:13	1

Lab Sample ID: LCS 720-140437/5

Matrix: Water

Analysis Batch: 140437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	10.0	9.79		mg/L		98	90 - 110

Lab Sample ID: 720-51052-1 MS

Matrix: Water

Analysis Batch: 140437

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	40		100	138		mg/L		98	80 - 120

Lab Sample ID: 720-51052-1 MSD

Matrix: Water

Analysis Batch: 140437

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	40		100	138		mg/L		98	80 - 120	0	20

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 720-140438/4

Matrix: Water

Analysis Batch: 140438

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as NO3	ND		1.0		mg/L			07/19/13 09:13	1
Nitrite as NO2	ND		1.0		mg/L			07/19/13 09:13	1

Lab Sample ID: LCS 720-140438/5

Matrix: Water

Analysis Batch: 140438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as NO3	10.0	9.67		mg/L		97	90 - 110
Nitrite as NO2	10.0	9.62		mg/L		96	90 - 110

Lab Sample ID: 720-51052-1MS

Matrix: Water

Analysis Batch: 140438

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as NO3	ND		100	98.5		mg/L		98	80 - 120
Nitrite as NO2	ND		100	95.4		mg/L		95	80 - 120

Lab Sample ID: 720-51052-1MSD

Matrix: Water

Analysis Batch: 140438

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as NO3	ND		100	98.7		mg/L		99	80 - 120	0	20
Nitrite as NO2	ND		100	96.5		mg/L		96	80 - 120	1	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 720-140419/8

Matrix: Water

Analysis Batch: 140419

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	ND		0.10		mg/L			07/18/13 20:27	1

Lab Sample ID: LCS 720-140419/9

Matrix: Water

Analysis Batch: 140419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 720-51052-1 MS

Matrix: Water

Analysis Batch: 140419

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ferrous Iron	ND	HF	1.00	0.998	HF	mg/L		100	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 720-51052-1 MSD
Matrix: Water
Analysis Batch: 140419

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ferrous Iron	ND	HF	1.00	1.05	HF	mg/L		105	75 - 125	5	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 500-194307/1
Matrix: Water
Analysis Batch: 194307

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0		mg/L			07/22/13 22:30	1

Lab Sample ID: LCS 500-194307/2
Matrix: Water
Analysis Batch: 194307

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	3.70	3.79		mg/L		102	80 - 120

Method: SM 5310C - TOC

Lab Sample ID: MB 500-194611/3
Matrix: Water
Analysis Batch: 194611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TOC Dup	ND		1.0		mg/L			07/24/13 08:50	1

Lab Sample ID: LCS 500-194611/7
Matrix: Water
Analysis Batch: 194611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
TOC Result 1	10.0	11.0		mg/L		110	80 - 120
TOC Result 2	10.0	11.1		mg/L		111	80 - 120
TOC Dup	10.0	11.1		mg/L		111	80 - 120

Lab Sample ID: 720-51052-1 MS
Matrix: Water
Analysis Batch: 194611

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
TOC Result 1	4.2		10.0	14.1		mg/L		99	75 - 125
TOC Result 2	3.9		10.0	14.1		mg/L		102	75 - 125
TOC Dup	4.0		10.0	14.1		mg/L		101	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: 720-51052-1 MSD
 Matrix: Water
 Analysis Batch: 194611

Client Sample ID: MW-1
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TOC Result 1	4.2		10.0	14.1		mg/L		99	75 - 125	0	20
TOC Result 2	3.9		10.0	14.1		mg/L		102	75 - 125	0	20
TOC Dup	4.0		10.0	14.1		mg/L		101	75 - 125	0	20



QC Association Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

GC/MS VOA

Analysis Batch: 140799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-1 MS	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-1 MSD	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-3	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-6	MW-40	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-7	TAL-SF-TB	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140799/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140799/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140799/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140799/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140799/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 140901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-2	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-4	MW-4	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-5	MW-5	Total/NA	Water	8260B/CA_LUFT MS	
720-51052-6	MW-40	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140901/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-140901/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140901/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-140901/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-140901/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC VOA

Analysis Batch: 183880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	RSK-175	
720-51052-2	MW-2	Total/NA	Water	RSK-175	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

GC VOA (Continued)

Analysis Batch: 183880 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-4	MW-4	Total/NA	Water	RSK-175	
720-51052-5	MW-5	Total/NA	Water	RSK-175	
720-51052-5 DU	MW-5	Total/NA	Water	RSK-175	
LCS 280-183880/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 280-183880/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 280-183880/6	Method Blank	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 140361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-2	MW-2	Total/NA	Water	300.0	
720-51052-4	MW-4	Total/NA	Water	300.0	
720-51052-5	MW-5	Total/NA	Water	300.0	
LCS 720-140361/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-140361/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 140362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	300.0	
720-51052-1	MW-1	Total/NA	Water	300.0	
720-51052-2	MW-2	Total/NA	Water	300.0	
720-51052-2	MW-2	Total/NA	Water	300.0	
720-51052-4	MW-4	Total/NA	Water	300.0	
720-51052-4	MW-4	Total/NA	Water	300.0	
720-51052-5	MW-5	Total/NA	Water	300.0	
LCS 720-140362/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-140362/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 140419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	SM 3500 FE D	
720-51052-1 MS	MW-1	Total/NA	Water	SM 3500 FE D	
720-51052-1 MSD	MW-1	Total/NA	Water	SM 3500 FE D	
720-51052-2	MW-2	Total/NA	Water	SM 3500 FE D	
720-51052-4	MW-4	Total/NA	Water	SM 3500 FE D	
720-51052-5	MW-5	Total/NA	Water	SM 3500 FE D	
LCS 720-140419/9	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
MB 720-140419/8	Method Blank	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 140437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	300.0	
720-51052-1 MS	MW-1	Total/NA	Water	300.0	
720-51052-1 MSD	MW-1	Total/NA	Water	300.0	
LCS 720-140437/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-140437/4	Method Blank	Total/NA	Water	300.0	

TestAmerica Pleasanton

QC Association Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

General Chemistry (Continued)

Analysis Batch: 140438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1MS	MW-1	Total/NA	Water	300.0	
720-51052-1MSD	MW-1	Total/NA	Water	300.0	
LCS 720-140438/5	Lab Control Sample	Total/NA	Water	300.0	
MB 720-140438/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 194307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	SM 4500 S2 F	
720-51052-2	MW-2	Total/NA	Water	SM 4500 S2 F	
720-51052-4	MW-4	Total/NA	Water	SM 4500 S2 F	
720-51052-5	MW-5	Total/NA	Water	SM 4500 S2 F	
LCS 500-194307/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 500-194307/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 194611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-51052-1	MW-1	Total/NA	Water	SM 5310C	
720-51052-1 MS	MW-1	Total/NA	Water	SM 5310C	
720-51052-1 MSD	MW-1	Total/NA	Water	SM 5310C	
720-51052-2	MW-2	Total/NA	Water	SM 5310C	
720-51052-4	MW-4	Total/NA	Water	SM 5310C	
720-51052-5	MW-5	Total/NA	Water	SM 5310C	
LCS 500-194611/7	Lab Control Sample	Total/NA	Water	SM 5310C	
MB 500-194611/3	Method Blank	Total/NA	Water	SM 5310C	

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-1

Date Collected: 07/18/13 12:05

Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-1

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	140799	07/25/13 00:34	ASC	TAL PLS
Total/NA	Analysis	RSK-175		1	183880	07/23/13 09:31	BMG	TAL DEN
Total/NA	Analysis	SM 4500 S2 F		1	194307	07/22/13 22:55 (Start) 07/22/13 22:57 (End)	CLB	TAL CHI
Total/NA	Analysis	SM 5310C		1	194611	07/24/13 09:55	KD1	TAL CHI
Total/NA	Analysis	300.0		1	140362	07/18/13 19:43	MJK	TAL PLS
Total/NA	Analysis	300.0		10	140362	07/18/13 20:00	MJK	TAL PLS
Total/NA	Analysis	SM 3500 FE D		1	140419	07/18/13 20:27	EYT	TAL PLS
Total/NA	Analysis	300.0		10	140437	07/19/13 18:26	MJK	TAL PLS

Client Sample ID: MW-2

Date Collected: 07/18/13 10:30

Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-2

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	140799	07/25/13 01:57	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		5	140901	07/25/13 23:59	LPL	TAL PLS
Total/NA	Analysis	RSK-175		1	183880	07/23/13 09:35	BMG	TAL DEN
Total/NA	Analysis	SM 4500 S2 F		1	194307	07/22/13 22:57 (Start) 07/22/13 23:00 (End)	CLB	TAL CHI
Total/NA	Analysis	SM 5310C		1	194611	07/24/13 10:50	KD1	TAL CHI
Total/NA	Analysis	300.0		10	140361	07/18/13 20:34	MJK	TAL PLS
Total/NA	Analysis	300.0		1	140362	07/18/13 20:17	MJK	TAL PLS
Total/NA	Analysis	300.0		10	140362	07/18/13 20:34	MJK	TAL PLS
Total/NA	Analysis	SM 3500 FE D		1	140419	07/18/13 20:27	EYT	TAL PLS

Client Sample ID: MW-3

Date Collected: 07/18/13 10:00

Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-3

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	140799	07/25/13 02:25	ASC	TAL PLS

Client Sample ID: MW-4

Date Collected: 07/18/13 11:10

Date Received: 07/18/13 15:10

Lab Sample ID: 720-51052-4

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	140799	07/25/13 02:53	ASC	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Client Sample ID: MW-4

Lab Sample ID: 720-51052-4

Date Collected: 07/18/13 11:10

Matrix: Water

Date Received: 07/18/13 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		100	140901	07/26/13 00:25	LPL	TAL PLS
Total/NA	Analysis	RSK-175		1	183880	07/23/13 09:39	BMG	TAL DEN
Total/NA	Analysis	SM 4500 S2 F		1	194307	07/22/13 23:00 (Start) 07/22/13 23:02 (End)	CLB	TAL CHI
Total/NA	Analysis	SM 5310C		1	194611	07/24/13 13:30	KD1	TAL CHI
Total/NA	Analysis	300.0		10	140361	07/18/13 21:09	MJK	TAL PLS
Total/NA	Analysis	300.0		1	140362	07/18/13 20:51	MJK	TAL PLS
Total/NA	Analysis	300.0		10	140362	07/18/13 21:09	MJK	TAL PLS
Total/NA	Analysis	SM 3500 FE D		1	140419	07/18/13 20:27	EYT	TAL PLS

Client Sample ID: MW-5

Lab Sample ID: 720-51052-5

Date Collected: 07/18/13 09:00

Matrix: Water

Date Received: 07/18/13 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140799	07/25/13 03:20	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	140901	07/25/13 23:33	LPL	TAL PLS
Total/NA	Analysis	RSK-175		1	183880	07/23/13 09:59	BMG	TAL DEN
Total/NA	Analysis	SM 4500 S2 F		1	194307	07/22/13 23:02 (Start) 07/22/13 23:05 (End)	CLB	TAL CHI
Total/NA	Analysis	SM 5310C		1	194611	07/24/13 11:22	KD1	TAL CHI
Total/NA	Analysis	300.0		10	140361	07/18/13 21:43	MJK	TAL PLS
Total/NA	Analysis	300.0		10	140362	07/18/13 21:43	MJK	TAL PLS
Total/NA	Analysis	SM 3500 FE D		1	140419	07/18/13 20:27	EYT	TAL PLS

Client Sample ID: MW-40

Lab Sample ID: 720-51052-6

Date Collected: 07/18/13 11:15

Matrix: Water

Date Received: 07/18/13 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140799	07/25/13 03:48	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		100	140901	07/26/13 00:51	LPL	TAL PLS

Client Sample ID: TAL-SF-TB

Lab Sample ID: 720-51052-7

Date Collected: 07/18/13 00:00

Matrix: Water

Date Received: 07/18/13 15:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	140799	07/25/13 00:07	ASC	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200
TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Certification Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

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	01-31-14

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	06-30-14
California	NELAP	9	01132CA	04-30-14
Georgia	State Program	4	N/A	04-30-14
Georgia	State Program	4	939	04-30-14
Hawaii	State Program	9	N/A	04-30-14
Illinois	NELAP	5	100201	04-30-14
Indiana	State Program	5	C-IL-02	04-30-14
Iowa	State Program	7	82	05-01-14
Kansas	NELAP	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-13
Kentucky (UST)	State Program	4	66	04-30-14
Louisiana	NELAP	6	30720	06-30-14
Massachusetts	State Program	1	M-IL035	06-30-14
Mississippi	State Program	4	N/A	04-30-14
North Carolina DENR	State Program	4	291	12-31-13
North Dakota	State Program	8	R-194	04-30-14
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	06-30-13 *
Texas	NELAP	6	T104704252-09-TX	02-28-14
USDA	Federal		P330-12-00038	02-06-15
Wisconsin	State Program	5	999580010	08-31-13

Laboratory: TestAmerica Denver

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2907.01	10-31-13
A2LA	ISO/IEC 17025		2907.01	10-31-13
Alabama	State Program	4	40730	09-30-13 *
Alaska (UST)	State Program	10	UST-30	04-05-14
Arizona	State Program	9	AZ0713	12-19-13
Arkansas DEQ	State Program	6	88-0687	09-01-13
California	ELAP	9	2513	08-31-14 *
Colorado	State Program	8	N/A	09-30-13
Connecticut	State Program	1	PH-0686	09-30-14
Florida	NELAP	4	E87667	06-30-14
Idaho	State Program	10	CO00026	09-30-13
Illinois	NELAP	5	200017	04-30-14
Iowa	State Program	7	370	12-01-14
Kansas	NELAP	7	E-10166	04-30-14
Louisiana	NELAP	6	02096	09-01-13 *
Maine	State Program	1	CO0002	03-03-15
Maryland	State Program	3	268	03-31-14
Minnesota	NELAP	5	8-999-405	12-31-13
Nevada	State Program	9	CO0026	09-01-13

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

Certification Summary

Client: URS Corporation
 Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Laboratory: TestAmerica Denver (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
New Hampshire	NELAP	1	205310	04-28-14
New Jersey	NELAP	2	CO004	06-30-14
New Mexico	State Program	6	CO00026	06-30-14 *
New York	NELAP	2	11964	04-01-14
North Carolina DENR	State Program	4	358	12-31-13
North Dakota	State Program	8	R-034	06-30-14 *
Oklahoma	State Program	6	8614	08-31-13
Oregon	NELAP	10	CO200001	01-16-14
Pennsylvania	NELAP	3	68-00664	09-01-13 *
South Carolina	State Program	4	72002	09-01-13 *
Texas	NELAP	6	T104704183-08-TX	09-30-13
USDA	Federal		P330-13-00202	07-02-16
Utah	NELAP	8	CO000262012-4	09-01-13
Virginia	NELAP	3	460232	06-14-14
Washington	State Program	10	C583	09-01-13 *
West Virginia DEP	State Program	3	354	11-30-13
Wisconsin	State Program	5	999615430	08-31-13
Wyoming (UST)	A2LA	8		10-31-13

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



Method Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS
RSK-175	Dissolved Gases (GC)	RSK	TAL DEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PLS
SM 3500 FE D	Iron, Ferrous and Ferric	SM	TAL PLS
SM 4500 S2 F	Sulfide, Total	SM	TAL CHI
SM 5310C	TOC	SM	TAL CHI

Protocol References:

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

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

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

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

Laboratory References:

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

TAL DEN = TestAmerica Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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

Sample Summary

Client: URS Corporation
Project/Site: 3884 MLK/Oakland

TestAmerica Job ID: 720-51052-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-51052-1	MW-1	Water	07/18/13 12:05	07/18/13 15:10
720-51052-2	MW-2	Water	07/18/13 10:30	07/18/13 15:10
720-51052-3	MW-3	Water	07/18/13 10:00	07/18/13 15:10
720-51052-4	MW-4	Water	07/18/13 11:10	07/18/13 15:10
720-51052-5	MW-5	Water	07/18/13 09:00	07/18/13 15:10
720-51052-6	MW-40	Water	07/18/13 11:15	07/18/13 15:10
720-51052-7	TAL-SF-TB	Water	07/18/13 00:00	07/18/13 15:10

- 1
- 2
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- 11
- 12
- 13
- 14

TestAmerica Pleasanton

1220 Quarry Lane

720-51052

Chain of Custody Record

TestAmerica


THE LEADER IN ENVIRONMENTAL TESTING

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Regulatory Program: DW NPDES RCRA Other: **UST Fund**

147322

TestAmerica Laboratories, Inc.

Client Contact URS Corporation One Montgomery Street, Suite 900 San Francisco, CA, 94104 (415) 896-5858 (415) 882-9261 Project Name: 3884 MLK Site: P O # 28068161		Project Manager: Des Garner Tel/Fax: 415 243-3805		Site Contact: Erik Skov Lab Contact: Afsaneh		Date: 7/18/13 Carrier:		COC No ____ of ____ COCs			
		Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y / N) Composite = C / Grab = G 8260B (see special instructions) HARRIS-82766-(S1M) TOC sm 5310C CAM 17 Metals EPA 6010B Dissolved Metals LSK 175 Ferrus Iron sm 300D Nitrate, Nitrite, Sulfate Sulfide sm 4500 See				For Lab Use Only: Walk-in Client Lab Sampling			
								Job / SDG No			
								Sampler:			
								Sample Specific Notes:			
Sample Identification		Sample Date	Sample Time			Sample Type	Matrix	# of Cont.			
MW-1	7/18/13	12:05							X	X	X
MW-2		10:30							X	X	X
MW-3		10:00							X	X	X
MW-4		11:10	Water				X	X	X		
MW-5		9:00					X	X	X		
MW-40		11:15					X	X	X		
TAL-SF-TB							✓				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if sa <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		 720-51052 Chain of Custody					
Special Instructions/QC Requirements & Comments: 8260B - Analyze and report TPH-gasoline/BTEX/Naphthalene/1,2-DCA/cis-1,2-DCE											
Relinquished by: <i>Kali Fathami</i>		Company: <i>URS</i>		Date/Time: <i>7/18/13 1pm</i>		Received by: <i>[Signature]</i>		Company: <i>TA</i>			
Relinquished by: <i>[Signature]</i>		Company: <i>TA</i>		Date/Time: <i>7-18-13 1510</i>		Received by: <i>[Signature]</i>		Company: <i>TAP</i>			
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:			

4.30

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-51052-1

Login Number: 51052

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

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

Job Number: 720-51052-1

Login Number: 51052

List Number: 1

Creator: Lunt, Jeff T

List Source: TestAmerica Chicago

List Creation: 07/20/13 12:53 PM

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



Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 720-51052-1

Login Number: 51052

List Number: 1

Creator: Roman, Alex F

List Source: TestAmerica Denver

List Creation: 07/20/13 11:58 AM

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