April 27, 2011

Alameda County Health Care Services Agency
Department of Environmental Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Attention: Ms. Barbara Jakub, PG
Hazardous Materials Specialist

Subject: Cleanup Case No. RO0003010 and GeoTracker Global ID. T10000001613
U.S. General Services Administration
Federal Building 2C
620 Central Avenue
Alameda, California

Dear Ms. Jakub:

Please find enclosed the report, "Summary of Work Performed to Date and Additional Site Characterization Results."

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 do not hesitate to call if you have any questions or comments.

Sincerely,
U.S. GENERAL SERVICES ADMINISTRATION

Carolyn A. Cooley
Assistant Property Manager

Haley & Aldrich, Inc.
2033 N. Main Street
Suite 309
Walnut Creek, CA 94596-7260

Tel: 925.949.1012
Fax: 925.979.1456
HaleyAldrich.com

26 April 2011
File No. 36835

Alameda County Health Care Services Agency
Department of Environmental Health Services
1131 Harbor Bay Parkway
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Attention: Ms. Barbara Jakub, PG
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Subject: Summary of Work Performed to Date and Additional Site Characterization Results
U.S. General Services Administration
Federal Building 2C
620 Central Avenue
Alameda, California
Cleanup Case No. RO0003010 and GeoTracker Global ID. T10000001613

Dear Ms. Jakub:

Haley & Aldrich, Inc. (Haley & Aldrich) is submitting this summary of work performed to date as well as additional Site characterization methods and results associated with the elevator piping leak at Federal Building 2C located at 620 Central Avenue in Alameda, California (Site, Figure 1) on behalf of the General Services Administration (GSA).

The work performed to date includes excavating and identifying the location of the pipeline leak, collecting soil samples for chemical analysis from below the pipeline when the pipeline was exposed during excavation and repair activities, replacing both the old supply and return hydraulic lines with new pipelines within a secondary containment pipeline, and backfilling the excavation. The above work was performed in accordance with the work plan submitted to Alameda County Health Care Services Agency-Department of Environmental Health Services (ACEH) dated 23 September 2009 and approved by the ACEH.

On 14 September 2009 the U.S. General Services Administration (GSA) reported a hydraulic fluid leak to the Office of Emergency Services after having an unanticipated release of the elevator hydraulic fluid at the Site. Based on further investigation it was found that approximately 50 gallons of hydraulic fluid that were stored within the hydraulic fluid storage tank for the elevator had leaked. Tests were performed by others to evaluate which portion of the elevator piping was leaking. By using a combination of pressure testing and isolating various sections of the hydraulic line, it was concluded that the underground hydraulic supply line located beneath the sidewalks and street was leaking and not the elevator piston.

On 16 and 17 January 2010, ENV Environmental International of Benicia, California (EEI) excavated a trench to expose the hydraulic fluid lines for the elevator. The trench was excavated from the elevator

control room to the elevator pit, such that the curb and gutter as well as the elevator lobby could remain intact. The trench was excavated to approximately 3.5 feet below ground surface (bgs) in the deepest location.

Soil samples were collected on 17 January 2010 by ENV America Incorporated (ENV America). Soil samples were collected using a clean slide hammer from immediately below the pipeline to 6 inches below the pipeline at 10-foot intervals starting outside the elevator lobby and going toward the control room (Figure 2). A soil sample was also collected below the pipeline at the location of the hydraulic fluid leak. Samples were collected in brass tubes capped with Teflon® sheets and plastic end caps. Samples were uniquely labeled, placed in sealed plastic bags, and stored in an ice-chilled cooler. Samples were shipped under chain-of-custody to TestAmerica Inc. of Pleasanton, California, a state of California certified laboratory. The samples were analyzed for:

- Total petroleum hydrocarbons (TPH) quantified as hydraulic oil (TPHho) by Environmental Protection Agency (EPA) Method 8015B; and
- Polychlorinated biphenyls (PCBs) by EPA Method 8082.

Results of the soil sampling indicate that two of the seven soil samples collected, PL-3 (approximately 5 feet south of the source) and PL-7 (source location), have concentrations of TPHho at 12,000 milligrams per kilogram (mg/kg); PCBs were not detected. The remaining five samples, collected at 10-foot intervals below the pipelines within the trench, did not have reported concentrations of TPHho or PCBs above the laboratory detection limit.

In addition to the work described above, Empire Elevator, a state of California licensed elevator company, removed the old supply and return hydraulic lines for the elevator. These lines were replaced with new pipelines contained within a secondary containment pipeline. The supply line is a 2-inch diameter schedule 80 black steel pipe. The return line is ½-inch diameter copper line, and the secondary containment piping consists of 6-inch diameter schedule 80 polyvinyl chloride casing.

Based on the above results Haley & Aldrich, on behalf of ENV America, recommended additional investigation to evaluate the lateral and vertical extent of TPHho in soil and to characterize the groundwater quality. A work plan for the additional investigation dated 22 March 2010 was submitted to ACEH. The work plan was approved by ACEH in a letter dated 12 August 2010. The scope of work below describes what was completed during the additional investigation as well as presents the results of the investigation.

Scope of Work for the Additional Investigation

Pre Field Activities

- A boring permit was obtained from ACEH (W2010-0641);
- The boring locations were marked in white paint and Underground Service Alert (USA) was notified (Ticket # 277409); and
- The site-specific health and safety plan was updated for this work.

Field Work

On 18 September 2010 seven boring locations were drilled by hand by Penecore Drilling of Woodland, California, a California C-57 licensed drilling company (Figure 3), using a hand auger. Borings were continuously cored to observe lithologic conditions. The recovered soil was logged by a field geologist using the visual-manual procedures of ASTM Standard D-2488-09a for guidance, which is based on the Unified Soil Classification System, and using Munsell Soil Color Chart designations, under the direction of a California Professional Geologist. Down hole equipment was decontaminated prior to starting and between boring locations using a steam cleaner/pressure washer.

Soil samples were collected using a hand auger from above the groundwater table and below the former leaking pipeline at depths ranging from 3.5 to 4.5 feet bgs in clean glass jars provided by the analytical laboratory. Soil analytical results are presented in Table I and on Figure 2. A complete laboratory analytical report is included as Attachment A.

Groundwater samples were collected by installing temporary well points in the hand auger boreholes. One-inch diameter polyvinyl chloride blank casing and well screen were used to construct the well such that the screen interval extended above the groundwater level. Water samples were collected by using a peristaltic pump to transfer groundwater from the well into laboratory supplied sample containers. Groundwater results are presented on Table II and Figure 3. A complete laboratory analytical report is included as Attachment B.

Soil and water samples were uniquely labeled, placed in sealed plastic bags, and stored in ice-chilled coolers until delivered to TestAmerica Laboratories, Inc. of Pleasanton, California, a California certified analytical laboratory under chain-of-custody. The soil and water samples were analyzed for:

- TPHho by EPA Method 8015B.

After soil and groundwater sampling were complete the well casing was removed and the borings were abandoned using Type I/II neat cement mixed in a ratio of one 94-pound bag of cement to approximately 5 to 7 gallons of water. Concrete was used to complete the backfilling of the borings at ground surface. Drill cuttings and equipment wash/purge water were placed in labeled containers and stored on the Site pending analytical results. The soil and water for disposal were analyzed for:

- TPH quantified as gasoline (TPHg), and benzene, toluene, ethyl benzene, and xylenes (BTEX) by EPA Method 8260B;
- TPH quantified as diesel and motor oil by EPA Method 8015M; and
- Title 22 metals by EPA Method 6000/7000 series.

Once the analytical results were received the soil cuttings and water were disposed of by EEI, a licensed waste hauler, as a non-hazardous waste at Crosby & Overton of Long Beach, California. TPHg and BTEX were not detected in the disposal samples collected. A complete laboratory analytical report for the disposal samples collected is included as Attachment C. A copy of the disposal manifest is included as Attachment D.

Cruz Brothers Subsurface Locators of Scotts Valley, California surveyed the utilities at the Site to assess for preferential pathways as requested by ACEH. The depths of the utilities in the pipeline leak location below ground surface are as follow:

- Storm drain – 39 inches bgs;
- Sanitary Sewer – 62 inches bgs; and
- Water – 44 inches bgs;

In addition to checking the depths of the utilities, the lids were pulled on the sanitary sewer and the storm drain to observe flow within the pipelines. No sheen or odors were observed in these utilities.

Results

The results of the hand auger borings showed that the lithology at the Site consisted of a fill material up to 3 feet thick, consisting primarily of sand with varying amounts of gravel and fines (fill), underlain by a poorly graded sand with shell fragments (native) to the maximum depth drilled (6.5 feet). Groundwater was encountered between 4 and 5 feet bgs in all borings.

Soil sample results showed that TPHho was detected in four of the seven borings at concentrations ranging from 49 mg/kg to 8900 mg/kg. Table I presents the results for the soil sampling. Figure 2 presents the soil sampling results to date. A complete laboratory analytical report is included as Attachment A.

Water sample results showed that TPHho was detected at boring locations B-1, B-2, and B-7 at concentrations ranging from 310 micrograms per liter (μg/l) to 1,300 μg/l. Groundwater analytical results are presented in Table II and on Figure 3. A complete laboratory analytical report is included as Attachment B.

Recommendations

Since the release of the TPHho on 4 September 2009, the source of the leak has been repaired and the hydraulic fluid pipelines have been placed within secondary containment to prevent future leaks to the subsurface. The January investigation identified two locations with concentrations of TPHho within the pipeline trench of 12,000 mg/kg, the actual leak location and 5 feet from the leak location.

A second investigation with a focus of assessing the lateral and vertical extent of TPHho in soil and groundwater was performed on 18 September 2010. A sample collected from the source area on 18 September 2010 showed the concentration of TPHho in soil had a concentration of 8,900 mg/kg. TPHho was detected at a concentration of 12,000 mg/kg in the analysis of the previous sample collected at this location during the January investigation.

TPHho was not detected in groundwater in four of the seven borings located approximately 5 feet south and east from the highest soil concentrations from the first investigation (PL-3 and PL-7). The highest TPHho concentration detected in groundwater was 1,300 μg/l in the analysis of the sample from boring B-7. B-1 and B-2 had detected concentrations of TPHho of 310 μg/l and 460 μg/l, respectively.

Based on the results of the investigations, it does not appear that the TPHho is very mobile and is limited in extent to a small area near the pipeline leak location. The TPHho concentrations in soil seem to be confined to a small area. Soil in the area of high concentrations has been excavated to 3.5 feet bgs. Depth to water in this area is approximately 4 feet bgs.

Haley & Aldrich does not recommend additional investigation in this area. The utilities in the roadway area would make the excavation difficult and require a large area to be excavated to get below the hydraulic lines in secondary containment to remove the remaining 0.5 foot of soil above the water table. No PCBs were detected from the analysis of the samples collected from the January investigation and benzene, TPHg and BTEX were not detected in samples required for disposal. Based on the lack of volatile and carcinogenic compounds and current use of the contaminated area (roadway) human health risk is minimal.

Based on the limited mobility and extent of TPHho, the difficult excavation in a roadway with utilities, the lack of health risk, and the current use of the property Haley & Aldrich feels this is a low risk case. Haley & Aldrich recommends no further action required for this case.

Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Charles Rome
Geologist

Allan Atkinson, PG
Senior Geologist

Enclosures:
Table I – Soil Analytical Results
Table II – Groundwater Analytical Results
Figure 1 – Project Locus Map
Figure 2 – Soil Sample Results
Figure 3 – Groundwater Sample Results
Appendix A – Analytical Laboratory Report and Chain-of-Custody Documentation-Soil
Appendix B – Analytical Laboratory Report and Chain-of-Custody Documentation-Water
Appendix C – Analytical Laboratory Report and Chain-of-Custody Documentation-Disposal Samples
Appendix D – Manifest

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TABLES

TABLE I

SOIL ANALYTICAL RESULTS[1]
ALAMEDA FEDERAL CENTER
620 CENTRAL AVENUE, ALAMEDA, CALIFORNIA

Sample Identification	Sample Date	Depth[2] (feet)	Hydraulic Oil (mg/Kg)[3]
PL-1	1/17/2010	0.5	<50
PL-2	1/17/2010	0.5	<50
PL-3	1/17/2010	0.5	12,000
PL-4	1/17/2010	0.5	<50
PL-5	1/17/2010	0.5	<49
PL-6	1/17/2010	0.5	<49
PL-7	1/17/2010	0.5	12,000
B-1-3.5	9/18/2010	3.5	8900
B-2-4.0	9/18/2010	4.0	58
B-3-3.5	9/18/2010	3.5	<49
B-4-4.5	9/18/2010	4.5	49
B-5-3.5	9/18/2010	3.5	<49
B-6-3.5	9/18/2010	3.5	<50
B-7-4.0	9/18/2010	4.0	1200

NOTES:

1. Samples collected by Haley & Aldrich, Inc. and analyzed by TestAmerica Laboratories, Inc. of Pleasanton, CA for total petroleum hydrocarbons quantified as hydraulic oil using EPA Method 8015M.

2. Sample depth represents the bottom depth of a 6-inch sample interval (i.e., 3.5 feet is a sample depth of a sample collected between 3 and 3.5 feet). PL-1 through PL-7 collected from o-6-inches below the pipeline in an open trench.

3. mg/Kg = milligrams per kilogram

TABLE II
GROUNDWATER ANALYTICAL RESULTS
ALAMEDA FEDERAL CENTER
620 CENTRAL AVENUE, ALAMEDA, CALIFORNIA

Sample Identification	Sample Date	Hydraulic Oil (ug/L)[2]
B-1	9/18/2010	460
B-2	9/18/2010	310
B-3	9/18/2010	<210[3]
B-4	9/18/2010	<210
B-5	9/18/2010	<210
B-6	9/18/2010	<210
B-7	9/18/2010	1300

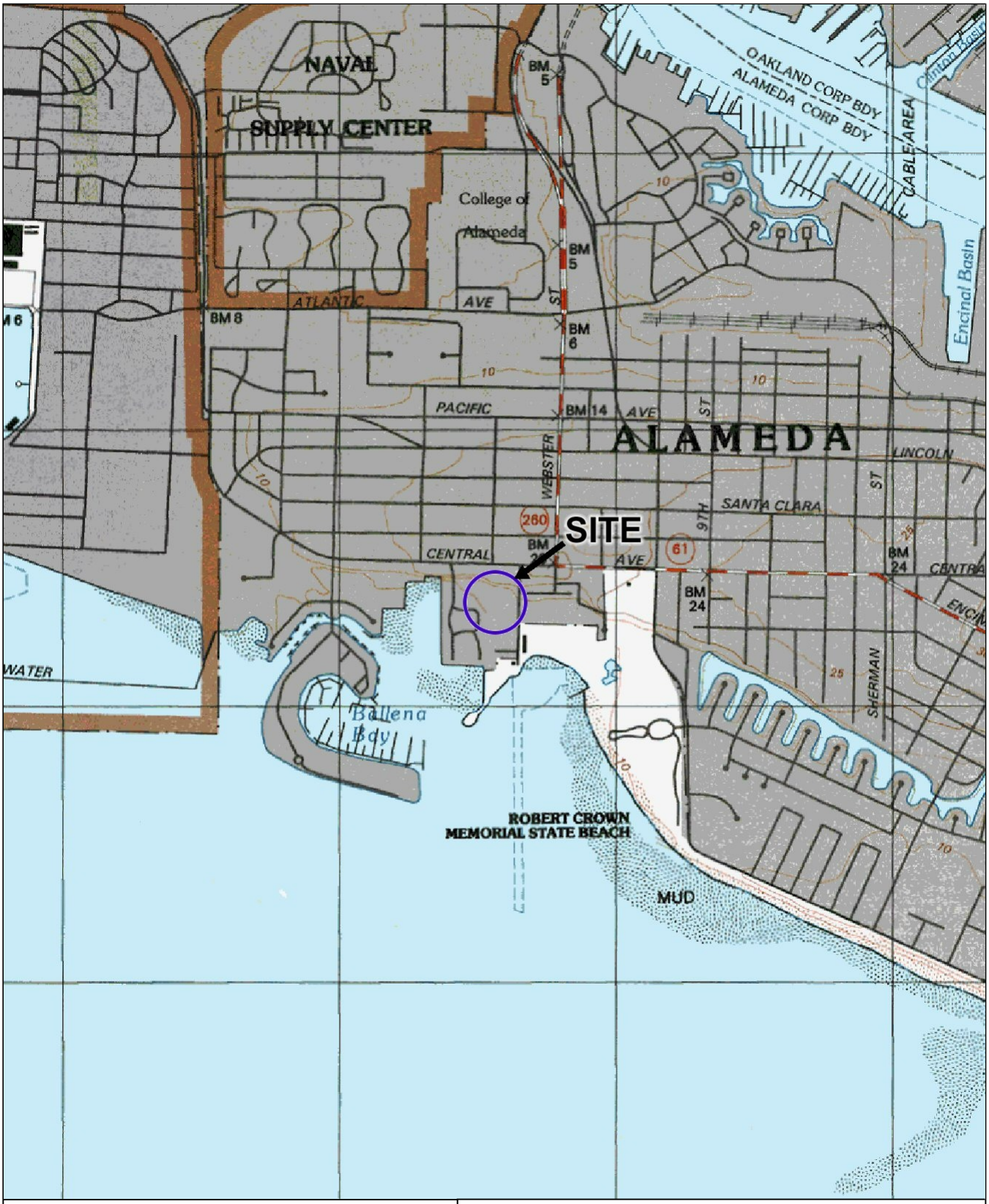
NOTES:

1. Samples collected by Haley & Aldrich, Inc. and analyzed by TestAmerica Laboratories, Inc. of Pleasanton, CA for total petroleum hydrocarbons quantified as hydraulic oil using EPA Method 8015M.

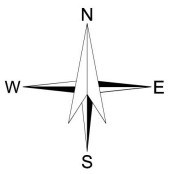
2. ug/L = micrograms per liter

3. <520 = sample not detected above the laboratory reporting limit shown

FIGURES



SITE COORDINATES:37°46'13"N 122°16'46"W



U.S.G.S. QUADRANGLE: OAKLAND WEST, CA

HALEY & ALDRICH

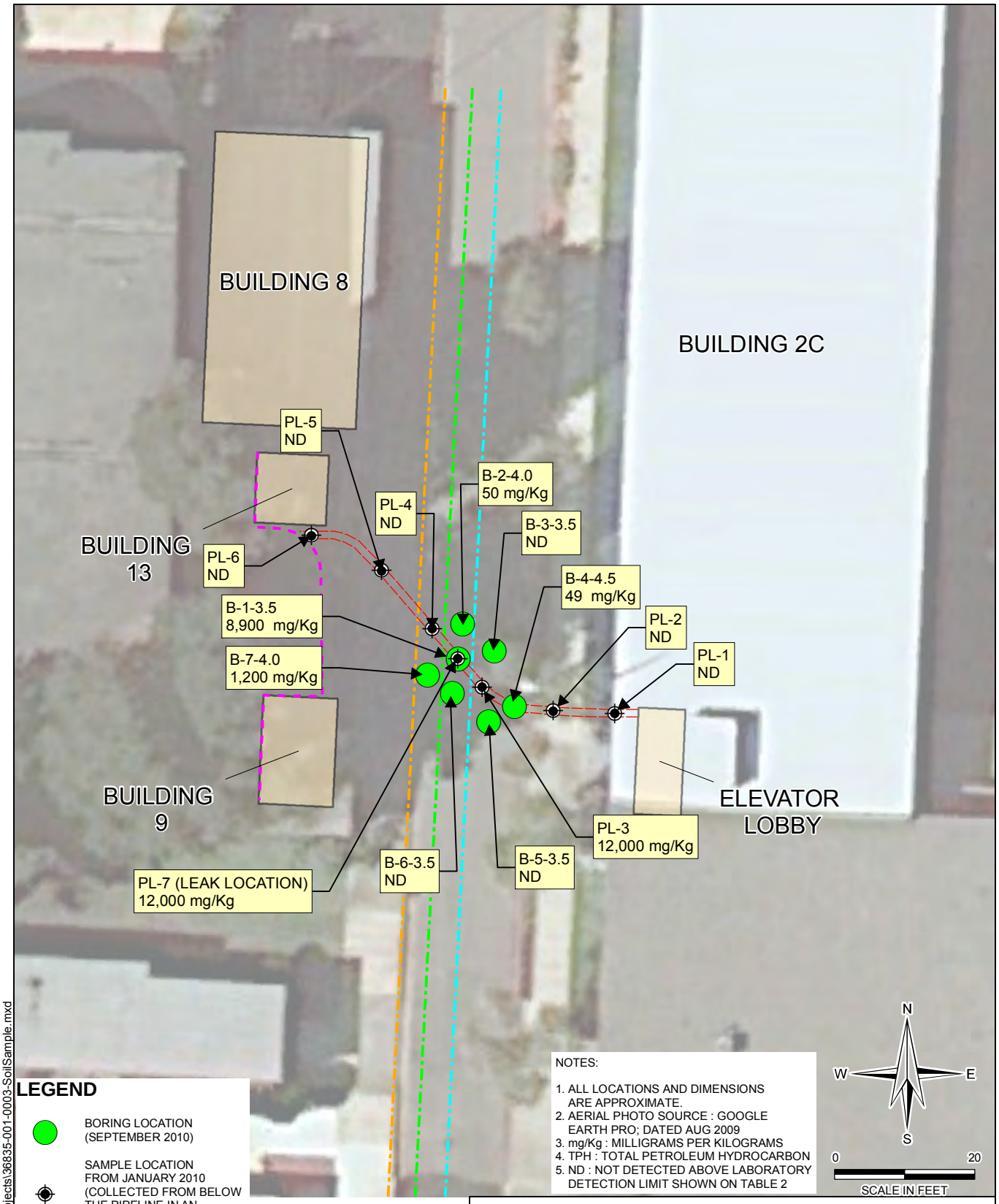
FEDERAL BUILDING 2C
620 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

PROJECT LOCUS

SCALE: 1:24,000
MARCH 2010

FIGURE 1

36835-001 1.PDF



NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL PHOTO SOURCE : GOOGLE EARTH PRO; DATED AUG 2009
3. mg/Kg : MILLIGRAMS PER KILOGRAMS
4. TPH : TOTAL PETROLEUM HYDROCARBON
5. ND : NOT DETECTED ABOVE LABORATORY DETECTION LIMIT SHOWN ON TABLE 2

LEGEND

- BORING LOCATION (SEPTEMBER 2010)
- SAMPLE LOCATION FROM JANUARY 2010 (COLLECTED FROM BELOW THE PIPELINE IN AN OPEN EXCAVATION)
- WATER (44" BELOW GROUND SURFACE)
- SANITARY SEWER (62" BELOW GROUND SURFACE)
- STORM DRAIN (39" BELOW GROUND SURFACE)
- ELECTRIC
- HYDRAULIC FLUID PIPELINES/ ELECTRICAL CONDUIT TRENCH

SAMPLE LOCATION — PL-7 12,000 mg/Kg — TPH HYDRAULIC OIL CONCENTRATION

HALEY & ALDRICH

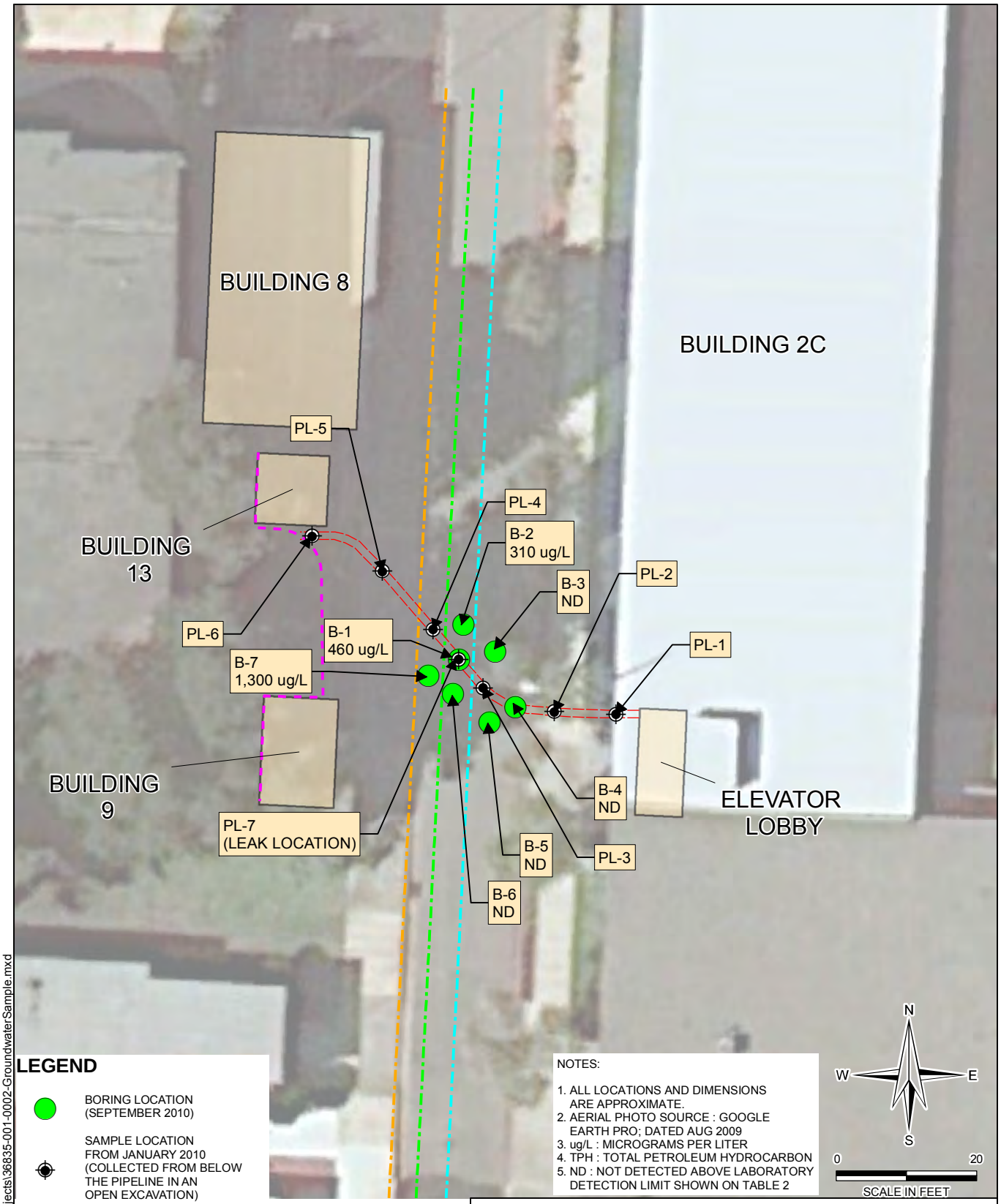
FEDERAL BUILDING 2C
620 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

SOIL SAMPLE RESULTS

SCALE: AS SHOWN
NOVEMBER 2010

FIGURE 2

G:\36835_Alameda\Global\GIS\MapProjects\36835-001-0003-SoilSample.mxd



LEGEND

- BORING LOCATION (SEPTEMBER 2010)
- SAMPLE LOCATION FROM JANUARY 2010 (COLLECTED FROM BELOW THE PIPELINE IN AN OPEN EXCAVATION)
- WATER (44" BELOW GROUND SURFACE)
- SANITARY SEWER (62" BELOW GROUND SURFACE)
- STORM DRAIN (39" BELOW GROUND SURFACE)
- ELECTRIC
- HYDRAULIC FLUID PIPELINES/ ELECTRICAL CONDUIT TRENCH

SAMPLE LOCATION — B-7 1,300 ug/L — TPH HYDRAULIC OIL CONCENTRATION

NOTES:

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL PHOTO SOURCE : GOOGLE EARTH PRO; DATED AUG 2009
3. ug/L : MICROGRAMS PER LITER
4. TPH : TOTAL PETROLEUM HYDROCARBON
5. ND : NOT DETECTED ABOVE LABORATORY DETECTION LIMIT SHOWN ON TABLE 2

HALEY & ALDRICH

FEDERAL BUILDING 2C
620 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

GROUNDWATER SAMPLE RESULTS

SCALE: AS SHOWN
NOVEMBER 2010

FIGURE 3

G:\36835_Alameda\Global\GIS\MapProjects\36835-001-0002-GroundwaterSample.mxd

APPENDIX A

Analytical Laboratory Report and Chain-of-Custody Documentation-Soil

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

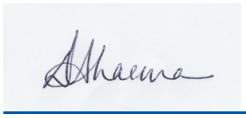
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-30621-1
Client Project/Site: GSA Alameda

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Charles Rome



Authorized for release by:
9/27/2010 3:47 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 8
QC Association 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Sample Receipt Checklist 14

Qualifier Definition/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
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.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F	RPD of the MS and MSD exceeds the control limits

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
Method 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: (720-30621-1 MS), (720-30621-1 MSD), B-1-3.5 (720-30621-1), B-7-4.0 (720-30621-7).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

Client Sample ID: B-1-3.5 — Lab Sample ID: 720-30621-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	8900		5000		mg/Kg	100		8015B	Total/NA

Client Sample ID: B-2-4.0 — Lab Sample ID: 720-30621-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	58		50		mg/Kg	1		8015B	Total/NA

Client Sample ID: B-3-3.5 — Lab Sample ID: 720-30621-3

No Detections.

Client Sample ID: B-4-4.5 — Lab Sample ID: 720-30621-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	49		49		mg/Kg	1		8015B	Total/NA

Client Sample ID: B-5-3.5 — Lab Sample ID: 720-30621-5

No Detections.

Client Sample ID: B-6-3.5 — Lab Sample ID: 720-30621-6

No Detections.

Client Sample ID: B-7-4.0 — Lab Sample ID: 720-30621-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	1200		490		mg/Kg	10		8015B	Total/NA

Client Sample ID: B-1-3.5

Lab Sample ID: 720-30621-1
Matrix: Solid
Date Collected: 09/18/10 10:05
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	8900		5000		mg/Kg		09/24/10 14:29	09/25/10 16:57	100

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*0*	*D*	*31 - 114*	*09/24/10 14:29*	*09/25/10 16:57*	*100*

Client Sample ID: B-2-4.0

Lab Sample ID: 720-30621-2
Matrix: Solid
Date Collected: 09/18/10 10:50
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	58		50		mg/Kg		09/24/10 14:29	09/25/10 18:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*79*		*31 - 114*	*09/24/10 14:29*	*09/25/10 18:03*	*1*

Client Sample ID: B-3-3.5

Lab Sample ID: 720-30621-3
Matrix: Solid
Date Collected: 09/18/10 11:20
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		49		mg/Kg		09/24/10 14:29	09/27/10 10:09	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*89*		*31 - 114*	*09/24/10 14:29*	*09/27/10 10:09*	*1*

Client Sample ID: B-4-4.5

Lab Sample ID: 720-30621-4
Matrix: Solid
Date Collected: 09/18/10 08:40
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	49		49		mg/Kg		09/24/10 14:29	09/25/10 18:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*80*		*31 - 114*	*09/24/10 14:29*	*09/25/10 18:46*	*1*

Client Sample ID: B-5-3.5

Lab Sample ID: 720-30621-5
Matrix: Solid
Date Collected: 09/18/10 09:15
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		49		mg/Kg		09/24/10 14:29	09/25/10 19:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*93*		*31 - 114*	*09/24/10 14:29*	*09/25/10 19:08*	*1*

Client Sample ID: B-6-3.5 — **Lab Sample ID: 720-30621-6**
Date Collected: 09/18/10 09:40 — **Matrix: Solid**
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		50		mg/Kg		09/24/10 14:29	09/25/10 19:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*100*		*31 - 114*	*09/24/10 14:29*	*09/25/10 19:30*	*1*

Client Sample ID: B-7-4.0 — **Lab Sample ID: 720-30621-7**
Date Collected: 09/18/10 09:55 — **Matrix: Solid**
Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	**1200**		490		mg/Kg		09/24/10 14:29	09/25/10 19:52	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*1*	*D*	*31 - 114*	*09/24/10 14:29*	*09/25/10 19:52*	*10*

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

Lab Sample ID: MB 720-78656/1-A
Matrix: Solid
Analysis Batch: 78692

Client Sample ID: MB 720-78656/1-A
Prep Type: Total/NA
Prep Batch: 78656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		09/24/10 14:29	09/25/10 22:25	1
TPH-Hydraulic Oil Range (C19-C36)	ND		50		mg/Kg		09/24/10 14:29	09/25/10 22:25	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*96*		*31 - 114*	*09/24/10 14:29*	*09/25/10 22:25*	*1*

Lab Sample ID: LCS 720-78656/2-A
Matrix: Solid
Analysis Batch: 78692

Client Sample ID: LCS 720-78656/2-A
Prep Type: Total/NA
Prep Batch: 78656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel Range Organics [C10-C28]	83.3	74.9		mg/Kg		90	59 - 134

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*99*		*31 - 114*

Lab Sample ID: LCSD 720-78656/3-A
Matrix: Solid
Analysis Batch: 78692

Client Sample ID: LCSD 720-78656/3-A
Prep Type: Total/NA
Prep Batch: 78656

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	82.6	74.5		mg/Kg		90	59 - 134	0.5	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*101*		*31 - 114*

Lab Sample ID: 720-30621-1 MS
Matrix: Solid
Analysis Batch: 78692

Client Sample ID: B-1-3.5
Prep Type: Total/NA
Prep Batch: 78656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel Range Organics [C10-C28]			83.2	3060	4	mg/Kg		-1448	50 - 130

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*0*	*D*	*31 - 114*

Lab Sample ID: 720-30621-1 MSD
Matrix: Solid
Analysis Batch: 78692

Client Sample ID: B-1-3.5
Prep Type: Total/NA
Prep Batch: 78656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.6	4590	4 F	mg/Kg		392	50 - 130	40	30

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*0*	*D*	*31 - 114*

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

GC Semi VOA

Prep Batch: 78656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78656/1-A	MB 720-78656/1-A	Total/NA	Solid	3550B	
720-30621-5	B-5-3.5	Total/NA	Solid	3550B	
720-30621-6	B-6-3.5	Total/NA	Solid	3550B	
720-30621-7	B-7-4.0	Total/NA	Solid	3550B	
LCS 720-78656/2-A	LCS 720-78656/2-A	Total/NA	Solid	3550B	
LCSD 720-78656/3-A	LCSD 720-78656/3-A	Total/NA	Solid	3550B	
720-30621-1	B-1-3.5	Total/NA	Solid	3550B	
720-30621-1 MS	B-1-3.5	Total/NA	Solid	3550B	
720-30621-1 MSD	B-1-3.5	Total/NA	Solid	3550B	
720-30621-2	B-2-4.0	Total/NA	Solid	3550B	
720-30621-3	B-3-3.5	Total/NA	Solid	3550B	
720-30621-4	B-4-4.5	Total/NA	Solid	3550B	

Analysis Batch: 78692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30621-1	B-1-3.5	Total/NA	Solid	8015B	78656
720-30621-1 MS	B-1-3.5	Total/NA	Solid	8015B	78656
720-30621-1 MSD	B-1-3.5	Total/NA	Solid	8015B	78656
720-30621-2	B-2-4.0	Total/NA	Solid	8015B	78656
720-30621-4	B-4-4.5	Total/NA	Solid	8015B	78656
720-30621-5	B-5-3.5	Total/NA	Solid	8015B	78656
720-30621-6	B-6-3.5	Total/NA	Solid	8015B	78656
720-30621-7	B-7-4.0	Total/NA	Solid	8015B	78656
LCS 720-78656/2-A	LCS 720-78656/2-A	Total/NA	Solid	8015B	78656
LCSD 720-78656/3-A	LCSD 720-78656/3-A	Total/NA	Solid	8015B	78656
MB 720-78656/1-A	MB 720-78656/1-A	Total/NA	Solid	8015B	78656

Analysis Batch: 78731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30621-3	B-3-3.5	Total/NA	Solid	8015B	78656

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30621-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-30621-1	B-1-3.5	Solid	09/18/10 10:05	09/20/10 13:00
720-30621-2	B-2-4.0	Solid	09/18/10 10:50	09/20/10 13:00
720-30621-3	B-3-3.5	Solid	09/18/10 11:20	09/20/10 13:00
720-30621-4	B-4-4.5	Solid	09/18/10 08:40	09/20/10 13:00
720-30621-5	B-5-3.5	Solid	09/18/10 09:15	09/20/10 13:00
720-30621-6	B-6-3.5	Solid	09/18/10 09:40	09/20/10 13:00
720-30621-7	B-7-4.0	Solid	09/18/10 09:55	09/20/10 13:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-30621

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane ● Pleasanton CA 94566-4756
Phone: (925) 484-1919 ● Fax: (925) 600-3002

Reference #: 126958

Date 9/18/2010 Page 1 of 1

09/27/2010

Report To

Attn: Charles Rome
Company: Haley & Aldrich
Address: 2033 N. Main St Ste 309 Walnut Creek CA
Phone: 925-979-1454 Email: crome@haleyaldrich.com
Bill To: same
Sampled By: C. Rome
Attn: —
Phone: —

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	TPH Hydraulic oil					Number of Containers
1 B-1-3.5	9/18/10	1005	SOIL	—																						1
2 B-2-4.0		1050																								1
3 B-3-3.5		1120																								1
4 B-4-4.5		0840																								1
5 B-5-3.5		0915																								1
6 B-6-3.5		0940																								1
7 B-7-4.0		0955																								1
									CFR 9/18/10																	

Project Info

Project Name: GSA Alameda
Project#: 36885-001
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp: 5.2°C, 2.6°C
Conforms to record:

TAT: (5 Day) 3 Day 2 Day 1 Day Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF
Special Instructions / Comments: ☐ Global ID ___

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_8-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: Charles Rome — Time: 1015	Signature: Ed Mantay — Time: 1300	Signature: — Time:
Printed Name: Charles Rome — Date: 9/20/10	Printed Name: Ed Mantay — Date: 9-20-10	Printed Name: — Date:
Company: Haley & Aldrich	Company: TASF	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: Ed Mantay — Time: 10.15	Signature: Joan Mullen — Time: 1300	Signature: — Time:
Printed Name: Ed Mantay — Date: 9-20-10	Printed Name: Mullen — Date: 9-20-10	Printed Name: — Date:
Company: TASF	Company: TASF	Company:

Rev09/09

Login Sample Receipt Check List

Client: Haley & Aldrich, Inc.

Job Number: 720-30621-1

Login Number: 30621

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX B

Analytical Laboratory Report and Chain-of-Custody Documentation-Water

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 720-30620-1
Client Project/Site: GSA Alameda
Revision: 1

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Charles Rome

Authorized for release by:
10/28/2010 2:20 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 8
QC Association 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Sample Receipt Checklist 14

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

Client Sample ID: B-3 — Lab Sample ID: 720-30620-1

No Detections.

Client Sample ID: B-2 — Lab Sample ID: 720-30620-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	310		210		ug/L	1		8015B	Total/NA

Client Sample ID: B-4 — Lab Sample ID: 720-30620-3

No Detections.

Client Sample ID: B-1 — Lab Sample ID: 720-30620-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	460		210		ug/L	1		8015B	Total/NA

Client Sample ID: B-5 — Lab Sample ID: 720-30620-5

No Detections.

Client Sample ID: B-6 — Lab Sample ID: 720-30620-6

No Detections.

Client Sample ID: B-7 — Lab Sample ID: 720-30620-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
TPH-Hydraulic Oil Range (C19-C36)	1300		200		ug/L	1		8015B	Total/NA

Client Sample ID: B-3

Lab Sample ID: 720-30620-1

Date Collected: 09/18/10 11:50

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		210		ug/L		09/22/10 15:38	09/23/10 16:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*101*		*23 - 156*	*09/22/10 15:38*	*09/23/10 16:25*	*1*

Client Sample ID: B-2

Lab Sample ID: 720-30620-2

Date Collected: 09/18/10 11:00

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	310		210		ug/L		09/22/10 15:38	09/23/10 16:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*95*		*23 - 156*	*09/22/10 15:38*	*09/23/10 16:51*	*1*

Client Sample ID: B-4

Lab Sample ID: 720-30620-3

Date Collected: 09/18/10 11:10

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		210		ug/L		09/22/10 15:38	09/23/10 17:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*78*		*23 - 156*	*09/22/10 15:38*	*09/23/10 17:14*	*1*

Client Sample ID: B-1

Lab Sample ID: 720-30620-4

Date Collected: 09/18/10 10:50

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	460		210		ug/L		09/22/10 15:38	09/23/10 17:35	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*91*		*23 - 156*	*09/22/10 15:38*	*09/23/10 17:35*	*1*

Client Sample ID: B-5

Lab Sample ID: 720-30620-5

Date Collected: 09/18/10 11:20

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		210		ug/L		09/22/10 15:38	09/23/10 17:57	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*76*		*23 - 156*	*09/22/10 15:38*	*09/23/10 17:57*	*1*

Client Sample ID: B-6

Lab Sample ID: 720-30620-6

Date Collected: 09/18/10 11:30

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	ND		210		ug/L		09/22/10 15:38	09/23/10 18:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*100*		*23 - 156*	*09/22/10 15:38*	*09/23/10 18:19*	*1*

Client Sample ID: B-7

Lab Sample ID: 720-30620-7

Date Collected: 09/18/10 11:40

Matrix: Water

Date Received: 09/20/10 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
TPH-Hydraulic Oil Range (C19-C36)	**1300**		200		ug/L		09/22/10 15:38	09/23/10 18:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*84*		*23 - 156*	*09/22/10 15:38*	*09/23/10 18:41*	*1*

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

Lab Sample ID: MB 720-78496/1-A
Matrix: Water
Analysis Batch: 78530

Client Sample ID: MB 720-78496/1-A
Prep Type: Total/NA
Prep Batch: 78496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/22/10 15:38	09/23/10 22:41	1
TPH-Hydraulic Oil Range (C19-C36)	ND		200		ug/L		09/22/10 15:38	09/23/10 22:41	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*95*		*23 - 156*	*09/22/10 15:38*	*09/23/10 22:41*	*1*

Lab Sample ID: MB 720-78496/1-A
Matrix: Water
Analysis Batch: 79109

Client Sample ID: MB 720-78496/1-A
Prep Type: Total/NA
Prep Batch: 78496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/22/10 15:38	10/01/10 11:33	1
TPH-Hydraulic Oil Range (C19-C36)	ND		200		ug/L		09/22/10 15:38	10/01/10 11:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*95*		*23 - 156*	*09/22/10 15:38*	*10/01/10 11:33*	*1*

Lab Sample ID: LCS 720-78496/2-A
Matrix: Water
Analysis Batch: 78530

Client Sample ID: LCS 720-78496/2-A
Prep Type: Total/NA
Prep Batch: 78496

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1680		ug/L		67	40 - 150		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*102*		*23 - 156*

Lab Sample ID: LCSD 720-78496/3-A
Matrix: Water
Analysis Batch: 78530

Client Sample ID: LCSD 720-78496/3-A
Prep Type: Total/NA
Prep Batch: 78496

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1550		ug/L		62	40 - 150	8	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*103*		*23 - 156*

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

GC Semi VOA

Prep Batch: 78496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78496/1-A	MB 720-78496/1-A	Total/NA	Water	3510C	
MB 720-78496/1-A	MB 720-78496/1-A	Total/NA	Water	3510C	
720-30620-7	B-7	Total/NA	Water	3510C	
LCS 720-78496/2-A	LCS 720-78496/2-A	Total/NA	Water	3510C	
LCSD 720-78496/3-A	LCSD 720-78496/3-A	Total/NA	Water	3510C	
720-30620-1	B-3	Total/NA	Water	3510C	
720-30620-2	B-2	Total/NA	Water	3510C	
720-30620-3	B-4	Total/NA	Water	3510C	
720-30620-4	B-1	Total/NA	Water	3510C	
720-30620-5	B-5	Total/NA	Water	3510C	
720-30620-6	B-6	Total/NA	Water	3510C	

Analysis Batch: 78530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30620-1	B-3	Total/NA	Water	8015B	78496
720-30620-2	B-2	Total/NA	Water	8015B	78496
720-30620-3	B-4	Total/NA	Water	8015B	78496
720-30620-4	B-1	Total/NA	Water	8015B	78496
720-30620-5	B-5	Total/NA	Water	8015B	78496
720-30620-6	B-6	Total/NA	Water	8015B	78496
720-30620-7	B-7	Total/NA	Water	8015B	78496
LCS 720-78496/2-A	LCS 720-78496/2-A	Total/NA	Water	8015B	78496
LCSD 720-78496/3-A	LCSD 720-78496/3-A	Total/NA	Water	8015B	78496
MB 720-78496/1-A	MB 720-78496/1-A	Total/NA	Water	8015B	78496

Analysis Batch: 79109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78496/1-A	MB 720-78496/1-A	Total/NA	Water	8015B	78496

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30620-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-30620-1	B-3	Water	09/18/10 11:50	09/20/10 13:00
720-30620-2	B-2	Water	09/18/10 11:00	09/20/10 13:00
720-30620-3	B-4	Water	09/18/10 11:10	09/20/10 13:00
720-30620-4	B-1	Water	09/18/10 10:50	09/20/10 13:00
720-30620-5	B-5	Water	09/18/10 11:20	09/20/10 13:00
720-30620-6	B-6	Water	09/18/10 11:30	09/20/10 13:00
720-30620-7	B-7	Water	09/18/10 11:40	09/20/10 13:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-30620

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane ● Pleasanton CA 94566-4756
Phone: (925) 484-1919 ● Fax: (925) 600-3002

Reference #: 126956

Date 9/18/10 Page 1 of 1

10/28/2010

Report To

Attn: Charles Rome
Company: Haley & Aldrich
Address: 2033 N. Main St, Ste 309 Walnut Creek, CA
Phone: 925-449-1454 Email: crome@haleyaldrich.com
Bill To: Same
Sampled By: C. Rome
Attn: —
Phone: —

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other: HC	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					Number of Containers
B-3	9/18/10	1150	W	HCL		X																			2
B-2		1100				X																			2
B-4		1110				X																			2
B-1		1050				X																			2
B-5		1120				X																			2
B-6		1130				X																			2
B-7		1140				X																			2
																									2

CFR 9/18/12

Project Info

Project Name: GSA Alameda
Project#: 36885-001
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp: 3.2°C, 2.6°C
Conforms to record:

TAT: 5 Day | 3 Day | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

	1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature	Charles Rome	Ed Martinez	
Time	1015	1300	
Printed Name	Charles Rome	Ed Martinez	
Date	9/20/10	9-20-10	
Company	Haley & Aldrich	TASF	

	1) Received by:	2) Received by:	3) Received by:
Signature	Ed Martinez	Tom Mullen	
Time	10:15	1300	
Printed Name	Ed Martinez	Mullen	
Date	9-20-10	9-20-10	
Company	TASF	TASF	

Rev09/09

Login Sample Receipt Check List

Client: Haley & Aldrich, Inc.

Job Number: 720-30620-1

Login Number: 30620

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX C

Analytical Laboratory Report and Chain-of-Custody Documentation-Disposal Samples

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

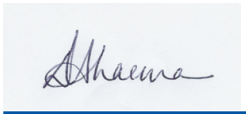
ANALYTICAL REPORT

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

TestAmerica Job ID: 720-30628-1
Client Project/Site: GSA Alameda

For:
Haley & Aldrich, Inc.
2033 North Main Street
Suite 309
Walnut Creek, California 94596

Attn: Charles Rome



Authorized for release by:
9/27/2010 3:49 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

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

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 8
QC Association 20
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Sample Receipt Checklist 27

Qualifier Definition/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30628-1

Qualifiers

Metals

Qualifier	Qualifier Description
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	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 78632 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30628-1

Client Sample ID: DISP-1 — Lab Sample ID: 720-30628-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.5		1.0		mg/Kg	1		8015B	Silica Gel Clean
Barium	29		2.0		mg/Kg	4		6010B	Total/NA
Chromium	21		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	3.3		0.80		mg/Kg	4		6010B	Total/NA
Copper	8.4		6.0		mg/Kg	4		6010B	Total/NA
Lead	4.1		2.0		mg/Kg	4		6010B	Total/NA
Nickel	14		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	16		2.0		mg/Kg	4		6010B	Total/NA
Zinc	17		6.0		mg/Kg	4		6010B	Total/NA
Mercury	0.050		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: DISP-2 — Lab Sample ID: 720-30628-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.19		0.0050		mg/L	1		6010B	Total/NA
Chromium	0.090		0.010		mg/L	1		6010B	Total/NA
Cobalt	0.20		0.0020		mg/L	1		6010B	Total/NA
Copper	0.13		0.020		mg/L	1		6010B	Total/NA
Molybdenum	0.050		0.010		mg/L	1		6010B	Total/NA
Nickel	0.034		0.010		mg/L	1		6010B	Total/NA
Vanadium	0.057		0.010		mg/L	1		6010B	Total/NA
Zinc	0.070		0.020		mg/L	1		6010B	Total/NA
Diesel Range Organics [C10-C28]	500		62		ug/L	1		8015B	Silica Gel Clean
Motor Oil Range Organics [C24-C36]	1100		370		ug/L	1		8015B	Silica Gel Clean

Client Sample ID: DISP-1

Lab Sample ID: 720-30628-1

Date Collected: 09/18/10 13:15

Matrix: Solid

Date Received: 09/20/10 13:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		09/22/10 16:00	09/23/10 02:51	1
Ethylbenzene	ND		4.9		ug/Kg		09/22/10 16:00	09/23/10 02:51	1
Toluene	ND		4.9		ug/Kg		09/22/10 16:00	09/23/10 02:51	1
Xylenes, Total	ND		9.9		ug/Kg		09/22/10 16:00	09/23/10 02:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/22/10 16:00	09/23/10 02:51	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*65 - 117*	*09/22/10 16:00*	*09/23/10 02:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 140*	*09/22/10 16:00*	*09/23/10 02:51*	*1*
Toluene-d8 (Surr)	*95*		*72 - 113*	*09/22/10 16:00*	*09/23/10 02:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**6.5**		1.0		mg/Kg		09/21/10 20:17	09/22/10 16:45	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/21/10 20:17	09/22/10 16:45	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.8*		*0 - 5*	*09/21/10 20:17*	*09/22/10 16:45*	*1*
p-Terphenyl	*92*		*46 - 115*	*09/21/10 20:17*	*09/22/10 16:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Arsenic	ND		4.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Barium	**29**		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Beryllium	ND		0.40		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Cadmium	ND		0.50		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Chromium	**21**		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Cobalt	**3.3**		0.80		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Copper	**8.4**		6.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Lead	**4.1**		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Molybdenum	ND		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Nickel	**14**		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Selenium	ND		4.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Silver	ND		1.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Thallium	ND		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Vanadium	**16**		2.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4
Zinc	**17**		6.0		mg/Kg		09/24/10 08:58	09/24/10 15:02	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.050**		0.0097		mg/Kg		09/23/10 22:32	09/24/10 16:18	1

Client Sample ID: DISP-2

Lab Sample ID: 720-30628-2

Date Collected: 09/18/10 13:25

Matrix: Water

Date Received: 09/20/10 13:00

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			09/22/10 19:03	1
Ethylbenzene	ND		0.50		ug/L			09/22/10 19:03	1

Client Sample ID: DISP-2
Date Collected: 09/18/10 13:25
Date Received: 09/20/10 13:00

Lab Sample ID: 720-30628-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/22/10 19:03	1
Xylenes, Total	ND		1.0		ug/L			09/22/10 19:03	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/22/10 19:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*09/22/10 19:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*67 - 130*		*09/22/10 19:03*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/22/10 19:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**500**		62		ug/L		09/22/10 21:55	09/26/10 01:03	1
Motor Oil Range Organics [C24-C36]	**1100**		370		ug/L		09/22/10 21:55	09/26/10 01:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*2*		*0 - 5*	*09/22/10 21:55*	*09/26/10 01:03*	*1*
p-Terphenyl	*93*		*31 - 150*	*09/22/10 21:55*	*09/26/10 01:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Arsenic	ND		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Barium	**0.19**		0.0050		mg/L		09/22/10 12:00	09/22/10 22:20	1
Beryllium	ND		0.0020		mg/L		09/22/10 12:00	09/22/10 22:20	1
Cadmium	ND		0.0025		mg/L		09/22/10 12:00	09/22/10 22:20	1
Chromium	**0.090**		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Cobalt	**0.20**		0.0020		mg/L		09/22/10 12:00	09/22/10 22:20	1
Copper	**0.13**		0.020		mg/L		09/22/10 12:00	09/22/10 22:20	1
Lead	ND		0.0050		mg/L		09/22/10 12:00	09/22/10 22:20	1
Molybdenum	**0.050**		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Nickel	**0.034**		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Selenium	ND		0.020		mg/L		09/22/10 12:00	09/22/10 22:20	1
Silver	ND		0.0050		mg/L		09/22/10 12:00	09/22/10 22:20	1
Thallium	ND		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Vanadium	**0.057**		0.010		mg/L		09/22/10 12:00	09/22/10 22:20	1
Zinc	**0.070**		0.020		mg/L		09/22/10 12:00	09/22/10 22:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/23/10 15:45	09/24/10 12:32	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-78538/1-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: MB 720-78538/1-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
Ethylbenzene	ND		5.0		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
Toluene	ND		5.0		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
o-Xylene	ND		5.0		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
Xylenes, Total	ND		10		ug/Kg		09/22/10 16:00	09/22/10 22:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/22/10 16:00	09/22/10 22:23	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*65 - 117*	*09/22/10 16:00*	*09/22/10 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 140*	*09/22/10 16:00*	*09/22/10 22:23*	*1*
Toluene-d8 (Surr)	*97*		*72 - 113*	*09/22/10 16:00*	*09/22/10 22:23*	*1*

Lab Sample ID: LCS 720-78538/2-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: LCS 720-78538/2-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.0	51.6		ug/Kg		103	82 - 124
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 137
Toluene	50.0	47.4		ug/Kg		95	83 - 128
m-Xylene & p-Xylene	100	98.4		ug/Kg		98	79 - 146
o-Xylene	50.0	50.0		ug/Kg		100	84 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*65 - 117*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 140*
Toluene-d8 (Surr)	*101*		*72 - 113*

Lab Sample ID: LCS 720-78538/4-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: LCS 720-78538/4-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	880		ug/Kg		88	68 - 115

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*65 - 117*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 140*
Toluene-d8 (Surr)	*100*		*72 - 113*

Lab Sample ID: LCSD 720-78538/3-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: LCSD 720-78538/3-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	50.0	51.2		ug/Kg		102	82 - 124	0.9	20
Ethylbenzene	50.0	48.6		ug/Kg		97	80 - 137	0.3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-78538/3-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: LCSD 720-78538/3-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Toluene			50.0	47.8		ug/Kg		96	83 - 128	0.8	20
m-Xylene & p-Xylene			100	98.9		ug/Kg		99	79 - 146	0.5	20
o-Xylene			50.0	49.8		ug/Kg		100	84 - 140	0.4	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*65 - 117*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 140*
Toluene-d8 (Surr)	*100*		*72 - 113*

Lab Sample ID: LCSD 720-78538/5-A
Matrix: Solid
Analysis Batch: 78520

Client Sample ID: LCSD 720-78538/5-A
Prep Type: Total/NA
Prep Batch: 78538

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	880		ug/Kg		88	68 - 115	0.03	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*65 - 117*
1,2-Dichloroethane-d4 (Surr)	*103*		*73 - 140*
Toluene-d8 (Surr)	*99*		*72 - 113*

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

Lab Sample ID: MB 720-78439/4
Matrix: Water
Analysis Batch: 78439

Client Sample ID: MB 720-78439/4
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			09/22/10 10:01	1
Ethylbenzene	ND		0.50		ug/L			09/22/10 10:01	1
Toluene	ND		0.50		ug/L			09/22/10 10:01	1
m-Xylene & p-Xylene	ND		1.0		ug/L			09/22/10 10:01	1
o-Xylene	ND		0.50		ug/L			09/22/10 10:01	1
Xylenes, Total	ND		1.0		ug/L			09/22/10 10:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/22/10 10:01	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/22/10 10:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*67 - 130*		*09/22/10 10:01*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/22/10 10:01*	*1*

Lab Sample ID: LCS 720-78439/5
Matrix: Water
Analysis Batch: 78439

Client Sample ID: LCS 720-78439/5
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene			25.0	25.8		ug/L		103	82 - 127		
Ethylbenzene			25.0	24.8		ug/L		99	86 - 135		
Toluene			25.0	25.1		ug/L		100	83 - 129		

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

Lab Sample ID: LCS 720-78439/5
Matrix: Water
Analysis Batch: 78439

Client Sample ID: LCS 720-78439/5
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
m-Xylene & p-Xylene			50.0	48.0		ug/L		96	70 - 142		
o-Xylene			25.0	24.5		ug/L		98	89 - 136		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*67 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCS 720-78439/7
Matrix: Water
Analysis Batch: 78439

Client Sample ID: LCS 720-78439/7
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			500	479		ug/L		96	59 - 111		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*67 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 720-78439/6
Matrix: Water
Analysis Batch: 78439

Client Sample ID: LCSD 720-78439/6
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene			25.0	25.7		ug/L		103	82 - 127	0.4	20
Ethylbenzene			25.0	24.7		ug/L		99	86 - 135	0.6	20
Toluene			25.0	25.0		ug/L		100	83 - 129	0.5	20
m-Xylene & p-Xylene			50.0	48.0		ug/L		96	70 - 142	0.2	20
o-Xylene			25.0	24.4		ug/L		97	89 - 136	0.6	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*67 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 720-78439/8
Matrix: Water
Analysis Batch: 78439

Client Sample ID: LCSD 720-78439/8
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	465		ug/L		93	59 - 111	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*67 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

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

Lab Sample ID: 720-30663-A-1 MS
Matrix: Water
Analysis Batch: 78439

Client Sample ID: 720-30663-A-1 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		25.0	24.7		ug/L		98	60 - 140
Ethylbenzene	ND		25.0	25.1		ug/L		100	60 - 140
Toluene	0.88		25.0	26.0		ug/L		100	60 - 140
m-Xylene & p-Xylene	ND		50.0	48.6		ug/L		96	60 - 140
o-Xylene	ND		25.0	25.0		ug/L		99	60 - 140

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*67 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: 720-30663-A-1 MSD
Matrix: Water
Analysis Batch: 78439

Client Sample ID: 720-30663-A-1 MSD
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	25.3		ug/L		101	60 - 140	2	20
Ethylbenzene	ND		25.0	25.2		ug/L		100	60 - 140	0.6	20
Toluene	0.88		25.0	26.2		ug/L		101	60 - 140	0.9	20
m-Xylene & p-Xylene	ND		50.0	48.8		ug/L		97	60 - 140	0.5	20
o-Xylene	ND		25.0	25.4		ug/L		101	60 - 140	2	20

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

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

Lab Sample ID: MB 720-78392/1-A
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: MB 720-78392/1-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		09/21/10 14:57	09/22/10 11:02	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/21/10 14:57	09/22/10 11:02	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 5*	*09/21/10 14:57*	*09/22/10 11:02*	*1*
p-Terphenyl	*105*		*46 - 115*	*09/21/10 14:57*	*09/22/10 11:02*	*1*

Lab Sample ID: LCS 720-78392/2-A
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: LCS 720-78392/2-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel Range Organics [C10-C28]	82.3	71.4		mg/Kg		87	45 - 115

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

Lab Sample ID: LCS 720-78392/2-A
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: LCS 720-78392/2-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Surrogate	LCS % Recovery	LCS Qualifier	Limits
p-Terphenyl	*98*		*46 - 115*

Lab Sample ID: LCSD 720-78392/3-A
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: LCSD 720-78392/3-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.3	73.8		mg/Kg		90	45 - 115	3	35

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
p-Terphenyl	*102*		*46 - 115*

Lab Sample ID: 720-30589-A-25-C MS
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: 720-30589-A-25-C MS
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel Range Organics [C10-C28]	4.9		83.2	68.1		mg/Kg		76	50 - 130

Surrogate	MS % Recovery	MS Qualifier	Limits
p-Terphenyl	*89*		*46 - 115*

Lab Sample ID: 720-30589-A-25-D MSD
Matrix: Solid
Analysis Batch: 78437

Client Sample ID: 720-30589-A-25-D MSD
Prep Type: Silica Gel Cleanup
Prep Batch: 78392

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	4.9		82.1	61.6		mg/Kg		69	50 - 130	10	30

Surrogate	MSD % Recovery	MSD Qualifier	Limits
p-Terphenyl	*87*		*46 - 115*

Lab Sample ID: MB 720-78518/1-A
Matrix: Water
Analysis Batch: 78531

Client Sample ID: MB 720-78518/1-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/22/10 18:29	09/23/10 12:09	1
Motor Oil Range Organics [C24-C36]	ND		300		ug/L		09/22/10 18:29	09/23/10 12:09	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	*0*		*0 - 5*	*09/22/10 18:29*	*09/23/10 12:09*	*1*
p-Terphenyl	*104*		*31 - 150*	*09/22/10 18:29*	*09/23/10 12:09*	*1*

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

Lab Sample ID: LCS 720-78518/2-A
Matrix: Water
Analysis Batch: 78531

Client Sample ID: LCS 720-78518/2-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78518

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel Range Organics [C10-C28]			2500	1540		ug/L		62	32 - 119		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*102*		*31 - 150*

Lab Sample ID: LCSD 720-78518/3-A
Matrix: Water
Analysis Batch: 78531

Client Sample ID: LCSD 720-78518/3-A
Prep Type: Silica Gel Cleanup
Prep Batch: 78518

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2500	1770		ug/L		71	32 - 119	13	35

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*112*		*31 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-78466/1-A
Matrix: Water
Analysis Batch: 78543

Client Sample ID: MB 720-78466/1-A
Prep Type: Total/NA
Prep Batch: 78466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Arsenic	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Barium	ND		0.0050		mg/L		09/22/10 12:00	09/22/10 20:50	1
Beryllium	ND		0.0020		mg/L		09/22/10 12:00	09/22/10 20:50	1
Cadmium	ND		0.0025		mg/L		09/22/10 12:00	09/22/10 20:50	1
Chromium	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Cobalt	ND		0.0020		mg/L		09/22/10 12:00	09/22/10 20:50	1
Copper	ND		0.020		mg/L		09/22/10 12:00	09/22/10 20:50	1
Lead	ND		0.0050		mg/L		09/22/10 12:00	09/22/10 20:50	1
Molybdenum	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Nickel	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Selenium	ND		0.020		mg/L		09/22/10 12:00	09/22/10 20:50	1
Silver	ND		0.0050		mg/L		09/22/10 12:00	09/22/10 20:50	1
Thallium	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Vanadium	ND		0.010		mg/L		09/22/10 12:00	09/22/10 20:50	1
Zinc	ND		0.020		mg/L		09/22/10 12:00	09/22/10 20:50	1

Lab Sample ID: LCS 720-78466/2-A
Matrix: Water
Analysis Batch: 78543

Client Sample ID: LCS 720-78466/2-A
Prep Type: Total/NA
Prep Batch: 78466

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Antimony			1.00	0.936		mg/L		94	80 - 120		
Arsenic			1.00	0.915		mg/L		91	80 - 120		
Barium			1.00	1.01		mg/L		101	80 - 120		
Beryllium			1.00	0.993		mg/L		99	80 - 120		
Cadmium			1.00	0.974		mg/L		97	80 - 120		

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

Lab Sample ID: LCS 720-78466/2-A
Matrix: Water
Analysis Batch: 78543

Client Sample ID: LCS 720-78466/2-A
Prep Type: Total/NA
Prep Batch: 78466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	0.986		mg/L		99	80 - 120
Copper	1.00	1.00		mg/L		100	80 - 120
Lead	1.00	0.991		mg/L		99	80 - 120
Molybdenum	1.00	0.995		mg/L		99	80 - 120
Nickel	1.00	0.972		mg/L		97	80 - 120
Selenium	1.00	0.945		mg/L		94	80 - 120
Silver	0.500	0.484		mg/L		97	80 - 120
Thallium	1.00	0.987		mg/L		99	80 - 120
Vanadium	1.00	0.981		mg/L		98	80 - 120
Zinc	1.00	0.980		mg/L		98	80 - 120

Lab Sample ID: LCSD 720-78466/3-A
Matrix: Water
Analysis Batch: 78543

Client Sample ID: LCSD 720-78466/3-A
Prep Type: Total/NA
Prep Batch: 78466

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	1.00	0.940		mg/L		94	80 - 120	0.5	20
Arsenic	1.00	0.922		mg/L		92	80 - 120	0.8	20
Barium	1.00	1.02		mg/L		102	80 - 120	0.4	20
Beryllium	1.00	0.997		mg/L		100	80 - 120	0.4	20
Cadmium	1.00	0.979		mg/L		98	80 - 120	0.5	20
Chromium	1.00	1.02		mg/L		102	80 - 120	0.9	20
Cobalt	1.00	0.992		mg/L		99	80 - 120	0.6	20
Copper	1.00	1.02		mg/L		102	80 - 120	1	20
Lead	1.00	0.996		mg/L		100	80 - 120	0.5	20
Molybdenum	1.00	1.00		mg/L		100	80 - 120	0.8	20
Nickel	1.00	0.977		mg/L		98	80 - 120	0.5	20
Selenium	1.00	0.949		mg/L		95	80 - 120	0.5	20
Silver	0.500	0.487		mg/L		97	80 - 120	0.7	20
Thallium	1.00	0.992		mg/L		99	80 - 120	0.4	20
Vanadium	1.00	0.988		mg/L		99	80 - 120	0.7	20
Zinc	1.00	0.985		mg/L		99	80 - 120	0.5	20

Lab Sample ID: 720-30615-E-3-A MS
Matrix: Water
Analysis Batch: 78543

Client Sample ID: 720-30615-E-3-A MS
Prep Type: Total/NA
Prep Batch: 78466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	ND		1.00	0.949		mg/L		94	75 - 125
Arsenic	ND		1.00	0.935		mg/L		93	75 - 125
Barium	0.014		1.00	1.02		mg/L		101	75 - 125
Beryllium	ND		1.00	0.989		mg/L		99	75 - 125
Cadmium	ND		1.00	0.959		mg/L		96	75 - 125
Chromium	ND		1.00	0.994		mg/L		99	75 - 125
Cobalt	ND		1.00	0.955		mg/L		96	75 - 125
Copper	ND		1.00	0.996		mg/L		99	75 - 125
Lead	ND		1.00	0.957		mg/L		96	75 - 125
Molybdenum	ND		1.00	1.01		mg/L		100	75 - 125
Nickel	ND		1.00	0.949		mg/L		94	75 - 125

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

Lab Sample ID: 720-30615-E-3-A MS
Matrix: Water
Analysis Batch: 78543

Client Sample ID: 720-30615-E-3-A MS
Prep Type: Total/NA
Prep Batch: 78466

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Selenium	ND		1.00	0.960		mg/L		96	75 - 125		
Silver	ND		0.500	0.484		mg/L		97	75 - 125		
Thallium	ND		1.00	0.948		mg/L		95	75 - 125		
Vanadium	ND		1.00	0.986		mg/L		99	75 - 125		
Zinc	0.027		1.00	0.988		mg/L		96	75 - 125		

Lab Sample ID: 720-30615-E-3-B MSD
Matrix: Water
Analysis Batch: 78543

Client Sample ID: 720-30615-E-3-B MSD
Prep Type: Total/NA
Prep Batch: 78466

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	ND		1.00	0.965		mg/L		96	75 - 125	2	25
Arsenic	ND		1.00	0.961		mg/L		96	75 - 125	3	25
Barium	0.014		1.00	1.04		mg/L		103	75 - 125	2	25
Beryllium	ND		1.00	1.01		mg/L		101	75 - 125	2	25
Cadmium	ND		1.00	0.986		mg/L		99	75 - 125	3	25
Chromium	ND		1.00	1.03		mg/L		103	75 - 125	3	25
Cobalt	ND		1.00	0.982		mg/L		98	75 - 125	3	25
Copper	ND		1.00	1.03		mg/L		103	75 - 125	3	25
Lead	ND		1.00	0.983		mg/L		98	75 - 125	3	25
Molybdenum	ND		1.00	1.03		mg/L		102	75 - 125	2	25
Nickel	ND		1.00	0.972		mg/L		96	75 - 125	2	25
Selenium	ND		1.00	0.981		mg/L		98	75 - 125	2	25
Silver	ND		0.500	0.498		mg/L		100	75 - 125	3	25
Thallium	ND		1.00	0.972		mg/L		97	75 - 125	3	25
Vanadium	ND		1.00	1.02		mg/L		102	75 - 125	3	25
Zinc	0.027		1.00	1.01		mg/L		99	75 - 125	3	25

Lab Sample ID: MB 720-78632/1-A
Matrix: Solid
Analysis Batch: 78662

Client Sample ID: MB 720-78632/1-A
Prep Type: Total/NA
Prep Batch: 78632

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Arsenic	ND		0.96		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Barium	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Beryllium	ND		0.096		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Cadmium	ND		0.12		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Chromium	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Cobalt	ND		0.19		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Copper	ND		1.4		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Lead	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Molybdenum	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Nickel	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Selenium	ND		0.96		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Silver	ND		0.24		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Thallium	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Vanadium	ND		0.48		mg/Kg		09/24/10 08:56	09/24/10 13:56	1
Zinc	ND		1.4		mg/Kg		09/24/10 08:56	09/24/10 13:56	1

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

Lab Sample ID: LCS 720-78632/2-A | **Client Sample ID: LCS 720-78632/2-A**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 78662 | **Prep Batch: 78632**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	49.5	50.7		mg/Kg		102	80 - 120
Arsenic	49.5	49.4		mg/Kg		100	80 - 120
Barium	49.5	57.8		mg/Kg		117	80 - 120
Beryllium	49.5	57.9		mg/Kg		117	80 - 120
Cadmium	49.5	52.4		mg/Kg		106	80 - 120
Chromium	49.5	53.7		mg/Kg		109	80 - 120
Cobalt	49.5	53.3		mg/Kg		108	80 - 120
Copper	49.5	53.9		mg/Kg		109	80 - 120
Lead	49.5	53.9		mg/Kg		109	80 - 120
Molybdenum	49.5	54.4		mg/Kg		110	80 - 120
Nickel	49.5	53.0		mg/Kg		107	80 - 120
Selenium	49.5	51.3		mg/Kg		104	80 - 120
Silver	24.8	25.8		mg/Kg		104	80 - 120
Thallium	49.5	53.5		mg/Kg		108	80 - 120
Vanadium	49.5	53.9		mg/Kg		109	80 - 120
Zinc	49.5	52.4		mg/Kg		106	80 - 120

Lab Sample ID: LCSD 720-78632/3-A | **Client Sample ID: LCSD 720-78632/3-A**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 78662 | **Prep Batch: 78632**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	50.5	50.9		mg/Kg		101	80 - 120	0.5	20
Arsenic	50.5	48.5		mg/Kg		96	80 - 120	2	20
Barium	50.5	53.3		mg/Kg		105	80 - 120	8	20
Beryllium	50.5	53.2		mg/Kg		105	80 - 120	9	20
Cadmium	50.5	51.6		mg/Kg		102	80 - 120	2	20
Chromium	50.5	52.2		mg/Kg		103	80 - 120	3	20
Cobalt	50.5	52.5		mg/Kg		104	80 - 120	2	20
Copper	50.5	52.5		mg/Kg		104	80 - 120	3	20
Lead	50.5	53.2		mg/Kg		105	80 - 120	1	20
Molybdenum	50.5	53.8		mg/Kg		107	80 - 120	1	20
Nickel	50.5	52.4		mg/Kg		104	80 - 120	1	20
Selenium	50.5	50.8		mg/Kg		101	80 - 120	1	20
Silver	25.3	25.4		mg/Kg		101	80 - 120	2	20
Thallium	50.5	52.6		mg/Kg		104	80 - 120	2	20
Vanadium	50.5	52.8		mg/Kg		105	80 - 120	2	20
Zinc	50.5	51.6		mg/Kg		102	80 - 120	2	20

Lab Sample ID: LCSSRM 720-78632/15-A | **Client Sample ID: LCSSRM 720-78632/15-A**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 78662 | **Prep Batch: 78632**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	105	61.8		mg/Kg		59	11 - 101
Arsenic	79.4	73.5		mg/Kg		93	69 - 119
Barium	391	372		mg/Kg		95	61 - 117
Beryllium	304	301		mg/Kg		99	56 - 102
Cadmium	48.3	44.2		mg/Kg		92	67 - 118
Chromium	171	160		mg/Kg		93	67 - 121

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

Lab Sample ID: LCSSRM 720-78632/15-A
Matrix: Solid
Analysis Batch: 78662

Client Sample ID: LCSSRM 720-78632/15-A
Prep Type: Total/NA
Prep Batch: 78632

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec. Limits
Cobalt	59.2	55.8		mg/Kg		94	64 - 133
Copper	327	312		mg/Kg		95	68 - 126
Lead	181	166		mg/Kg		92	62 - 113
Molybdenum	156	151		mg/Kg		97	62 - 128
Nickel	76.0	70.7		mg/Kg		93	65 - 117
Selenium	76.9	74.3		mg/Kg		97	63 - 126
Silver	29.1	27.9		mg/Kg		96	51 - 130
Thallium	192	171		mg/Kg		89	64 - 124
Vanadium	213	212		mg/Kg		100	67 - 123
Zinc	256	237		mg/Kg		93	62 - 110

Lab Sample ID: 720-30623-A-5-B MS
Matrix: Solid
Analysis Batch: 78662

Client Sample ID: 720-30623-A-5-B MS
Prep Type: Total/NA
Prep Batch: 78632

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	4.6		49.0	19.4	F	mg/Kg		30	75 - 125
Arsenic	12		49.0	61.2		mg/Kg		100	75 - 125
Barium	250		49.0	262	4	mg/Kg		30	75 - 125
Beryllium	ND		49.0	56.6		mg/Kg		115	75 - 125
Cadmium	ND		49.0	50.7		mg/Kg		103	75 - 125
Chromium	41		49.0	101		mg/Kg		122	75 - 125
Cobalt	11		49.0	61.5		mg/Kg		103	75 - 125
Copper	73		49.0	130		mg/Kg		116	75 - 125
Lead	80		49.0	135		mg/Kg		111	75 - 125
Molybdenum	ND		49.0	47.4		mg/Kg		97	75 - 125
Nickel	84		49.0	144		mg/Kg		121	75 - 125
Selenium	ND		49.0	49.5		mg/Kg		100	75 - 125
Silver	ND		24.5	25.7		mg/Kg		105	75 - 125
Thallium	ND		49.0	49.6		mg/Kg		101	75 - 125
Vanadium	26		49.0	81.3		mg/Kg		112	75 - 125
Zinc	130		49.0	190		mg/Kg		124	75 - 125

Lab Sample ID: 720-30623-A-5-C MSD
Matrix: Solid
Analysis Batch: 78662

Client Sample ID: 720-30623-A-5-C MSD
Prep Type: Total/NA
Prep Batch: 78632

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Antimony	4.6		48.5	20.3	F	mg/Kg		32	75 - 125	5	20
Arsenic	12		48.5	62.6		mg/Kg		103	75 - 125	2	20
Barium	250		48.5	361	4 F	mg/Kg		233	75 - 125	32	20
Beryllium	ND		48.5	57.7		mg/Kg		118	75 - 125	2	20
Cadmium	ND		48.5	51.7		mg/Kg		106	75 - 125	2	20
Chromium	41		48.5	102	F	mg/Kg		126	75 - 125	1	20
Cobalt	11		48.5	63.3		mg/Kg		107	75 - 125	3	20
Copper	73		48.5	138	F	mg/Kg		134	75 - 125	6	20
Lead	80		48.5	133		mg/Kg		109	75 - 125	1	20
Molybdenum	ND		48.5	48.7		mg/Kg		100	75 - 125	3	20
Nickel	84		48.5	151	F	mg/Kg		138	75 - 125	5	20
Selenium	ND		48.5	51.0		mg/Kg		104	75 - 125	3	20

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

Lab Sample ID: 720-30623-A-5-C MSD — **Client Sample ID: 720-30623-A-5-C MSD**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78662 — **Prep Batch: 78632**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Silver	ND		24.3	26.6		mg/Kg		110	75 - 125	3	20
Thallium	ND		48.5	50.4		mg/Kg		104	75 - 125	2	20
Vanadium	26		48.5	85.6		mg/Kg		122	75 - 125	5	20
Zinc	130		48.5	202	F	mg/Kg		150	75 - 125	6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-78586/1-A — **Client Sample ID: MB 720-78586/1-A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 78649 — **Prep Batch: 78586**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/23/10 15:45	09/24/10 12:18	1

Lab Sample ID: LCS 720-78586/2-A — **Client Sample ID: LCS 720-78586/2-A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 78649 — **Prep Batch: 78586**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.0100	0.00950		mg/L		95	80 - 120

Lab Sample ID: LCSD 720-78586/3-A — **Client Sample ID: LCSD 720-78586/3-A**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 78649 — **Prep Batch: 78586**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00964		mg/L		96	80 - 120	1	20

Lab Sample ID: 720-30629-G-1-D MS — **Client Sample ID: 720-30629-G-1-D MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 78649 — **Prep Batch: 78586**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.0100	0.0115		mg/L		115	75 - 125

Lab Sample ID: 720-30629-G-1-E MSD — **Client Sample ID: 720-30629-G-1-E MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 78649 — **Prep Batch: 78586**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.0112		mg/L		112	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-78610/1-A — **Client Sample ID: MB 720-78610/1-A**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 78670 — **Prep Batch: 78610**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		09/23/10 22:32	09/24/10 15:37	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-78610/2-A
Matrix: Solid
Analysis Batch: 78670

Client Sample ID: LCS 720-78610/2-A
Prep Type: Total/NA
Prep Batch: 78610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury			0.833	0.842		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 720-78610/3-A
Matrix: Solid
Analysis Batch: 78670

Client Sample ID: LCSD 720-78610/3-A
Prep Type: Total/NA
Prep Batch: 78610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.858		mg/Kg		103	80 - 120	2	20

Lab Sample ID: 720-30571-A-1-L MS
Matrix: Solid
Analysis Batch: 78670

Client Sample ID: 720-30571-A-1-L MS
Prep Type: Total/NA
Prep Batch: 78610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury	0.32		0.806	1.14		mg/Kg		101	75 - 125		

Lab Sample ID: 720-30571-A-1-M MSD
Matrix: Solid
Analysis Batch: 78670

Client Sample ID: 720-30571-A-1-M MSD
Prep Type: Total/NA
Prep Batch: 78610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	0.32		0.847	1.26		mg/Kg		111	75 - 125	10	20

GC/MS VOA

Analysis Batch: 78439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30663-A-1 MS	720-30663-A-1 MS	Total/NA	Water	8260B/CA_LUF TMS	
720-30663-A-1 MSD	720-30663-A-1 MSD	Total/NA	Water	8260B/CA_LUF TMS	
720-30628-2	DISP-2	Total/NA	Water	8260B/CA_LUF TMS	
MB 720-78439/4	MB 720-78439/4	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-78439/5	LCS 720-78439/5	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-78439/6	LCSD 720-78439/6	Total/NA	Water	8260B/CA_LUF TMS	
LCS 720-78439/7	LCS 720-78439/7	Total/NA	Water	8260B/CA_LUF TMS	
LCSD 720-78439/8	LCSD 720-78439/8	Total/NA	Water	8260B/CA_LUF TMS	

Analysis Batch: 78520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30628-1	DISP-1	Total/NA	Solid	8260B	78538
MB 720-78538/1-A	MB 720-78538/1-A	Total/NA	Solid	8260B	78538
LCS 720-78538/2-A	LCS 720-78538/2-A	Total/NA	Solid	8260B	78538
LCSD 720-78538/3-A	LCSD 720-78538/3-A	Total/NA	Solid	8260B	78538
LCS 720-78538/4-A	LCS 720-78538/4-A	Total/NA	Solid	8260B	78538
LCSD 720-78538/5-A	LCSD 720-78538/5-A	Total/NA	Solid	8260B	78538

Prep Batch: 78538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78538/1-A	MB 720-78538/1-A	Total/NA	Solid	5035	
720-30628-1	DISP-1	Total/NA	Solid	5035	
LCS 720-78538/2-A	LCS 720-78538/2-A	Total/NA	Solid	5035	
LCSD 720-78538/3-A	LCSD 720-78538/3-A	Total/NA	Solid	5035	
LCS 720-78538/4-A	LCS 720-78538/4-A	Total/NA	Solid	5035	
LCSD 720-78538/5-A	LCSD 720-78538/5-A	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 78392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78392/1-A	MB 720-78392/1-A	Silica Gel Cleanup	Solid	3550B	
720-30628-1	DISP-1	Silica Gel Cleanup	Solid	3550B	
LCS 720-78392/2-A	LCS 720-78392/2-A	Silica Gel Cleanup	Solid	3550B	
LCSD 720-78392/3-A	LCSD 720-78392/3-A	Silica Gel Cleanup	Solid	3550B	
720-30589-A-25-C MS	720-30589-A-25-C MS	Silica Gel Cleanup	Solid	3550B	
720-30589-A-25-D MSD	720-30589-A-25-D MSD	Silica Gel Cleanup	Solid	3550B	

Analysis Batch: 78437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-78392/2-A	LCS 720-78392/2-A	Silica Gel Cleanup	Solid	8015B	78392
LCSD 720-78392/3-A	LCSD 720-78392/3-A	Silica Gel Cleanup	Solid	8015B	78392
MB 720-78392/1-A	MB 720-78392/1-A	Silica Gel Cleanup	Solid	8015B	78392
720-30589-A-25-C MS	720-30589-A-25-C MS	Silica Gel Cleanup	Solid	8015B	78392
720-30589-A-25-D MSD	720-30589-A-25-D MSD	Silica Gel Cleanup	Solid	8015B	78392
720-30628-1	DISP-1	Silica Gel Cleanup	Solid	8015B	78392

GC Semi VOA (Continued)

Prep Batch: 78518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78518/1-A	MB 720-78518/1-A	Silica Gel Cleanup	Water	3510C SGC	
720-30628-2	DISP-2	Silica Gel Cleanup	Water	3510C SGC	
LCS 720-78518/2-A	LCS 720-78518/2-A	Silica Gel Cleanup	Water	3510C SGC	
LCSD 720-78518/3-A	LCSD 720-78518/3-A	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 78531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-78518/2-A	LCS 720-78518/2-A	Silica Gel Cleanup	Water	8015B	78518
LCSD 720-78518/3-A	LCSD 720-78518/3-A	Silica Gel Cleanup	Water	8015B	78518
MB 720-78518/1-A	MB 720-78518/1-A	Silica Gel Cleanup	Water	8015B	78518

Analysis Batch: 78694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30628-2	DISP-2	Silica Gel Cleanup	Water	8015B	78518

Metals

Prep Batch: 78466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78466/1-A	MB 720-78466/1-A	Total/NA	Water	3010A	
LCS 720-78466/2-A	LCS 720-78466/2-A	Total/NA	Water	3010A	
720-30628-2	DISP-2	Total/NA	Water	3010A	
LCSD 720-78466/3-A	LCSD 720-78466/3-A	Total/NA	Water	3010A	
720-30615-E-3-A MS	720-30615-E-3-A MS	Total/NA	Water	3010A	
720-30615-E-3-B MSD	720-30615-E-3-B MSD	Total/NA	Water	3010A	

Analysis Batch: 78543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78466/1-A	MB 720-78466/1-A	Total/NA	Water	6010B	78466
LCS 720-78466/2-A	LCS 720-78466/2-A	Total/NA	Water	6010B	78466
720-30628-2	DISP-2	Total/NA	Water	6010B	78466
LCSD 720-78466/3-A	LCSD 720-78466/3-A	Total/NA	Water	6010B	78466
720-30615-E-3-A MS	720-30615-E-3-A MS	Total/NA	Water	6010B	78466
720-30615-E-3-B MSD	720-30615-E-3-B MSD	Total/NA	Water	6010B	78466

Prep Batch: 78586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78586/1-A	MB 720-78586/1-A	Total/NA	Water	7470A	
LCS 720-78586/2-A	LCS 720-78586/2-A	Total/NA	Water	7470A	
LCSD 720-78586/3-A	LCSD 720-78586/3-A	Total/NA	Water	7470A	
720-30629-G-1-D MS	720-30629-G-1-D MS	Total/NA	Water	7470A	
720-30629-G-1-E MSD	720-30629-G-1-E MSD	Total/NA	Water	7470A	
720-30628-2	DISP-2	Total/NA	Water	7470A	

Prep Batch: 78610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78610/1-A	MB 720-78610/1-A	Total/NA	Solid	7471A	
720-30628-1	DISP-1	Total/NA	Solid	7471A	
LCS 720-78610/2-A	LCS 720-78610/2-A	Total/NA	Solid	7471A	
LCSD 720-78610/3-A	LCSD 720-78610/3-A	Total/NA	Solid	7471A	
720-30571-A-1-L MS	720-30571-A-1-L MS	Total/NA	Solid	7471A	
720-30571-A-1-M MSD	720-30571-A-1-M MSD	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 78632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78632/1-A	MB 720-78632/1-A	Total/NA	Solid	3050B	
LCSSRM 720-78632/15-A	LCSSRM 720-78632/15-A	Total/NA	Solid	3050B	
720-30628-1	DISP-1	Total/NA	Solid	3050B	
LCS 720-78632/2-A	LCS 720-78632/2-A	Total/NA	Solid	3050B	
LCSD 720-78632/3-A	LCSD 720-78632/3-A	Total/NA	Solid	3050B	
720-30623-A-5-B MS	720-30623-A-5-B MS	Total/NA	Solid	3050B	
720-30623-A-5-C MSD	720-30623-A-5-C MSD	Total/NA	Solid	3050B	

Analysis Batch: 78649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78586/1-A	MB 720-78586/1-A	Total/NA	Water	7470A	78586
LCS 720-78586/2-A	LCS 720-78586/2-A	Total/NA	Water	7470A	78586
LCSD 720-78586/3-A	LCSD 720-78586/3-A	Total/NA	Water	7470A	78586
720-30629-G-1-D MS	720-30629-G-1-D MS	Total/NA	Water	7470A	78586
720-30629-G-1-E MSD	720-30629-G-1-E MSD	Total/NA	Water	7470A	78586
720-30628-2	DISP-2	Total/NA	Water	7470A	78586

Analysis Batch: 78662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-78632/1-A	MB 720-78632/1-A	Total/NA	Solid	6010B	78632
720-30628-1	DISP-1	Total/NA	Solid	6010B	78632
LCSSRM 720-78632/15-A	LCSSRM 720-78632/15-A	Total/NA	Solid	6010B	78632
LCS 720-78632/2-A	LCS 720-78632/2-A	Total/NA	Solid	6010B	78632
LCSD 720-78632/3-A	LCSD 720-78632/3-A	Total/NA	Solid	6010B	78632
720-30623-A-5-B MS	720-30623-A-5-B MS	Total/NA	Solid	6010B	78632
720-30623-A-5-C MSD	720-30623-A-5-C MSD	Total/NA	Solid	6010B	78632

Analysis Batch: 78670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30628-1	DISP-1	Total/NA	Solid	7471A	78610
MB 720-78610/1-A	MB 720-78610/1-A	Total/NA	Solid	7471A	78610
LCS 720-78610/2-A	LCS 720-78610/2-A	Total/NA	Solid	7471A	78610
LCSD 720-78610/3-A	LCSD 720-78610/3-A	Total/NA	Solid	7471A	78610
720-30571-A-1-L MS	720-30571-A-1-L MS	Total/NA	Solid	7471A	78610
720-30571-A-1-M MSD	720-30571-A-1-M MSD	Total/NA	Solid	7471A	78610

Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30628-1

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30628-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SF
8260B/CA_LUFT MS	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7470A	Mercury (CVAA)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: GSA Alameda

TestAmerica Job ID: 720-30628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-30628-1	DISP-1	Solid	09/18/10 13:15	09/20/10 13:00
720-30628-2	DISP-2	Water	09/18/10 13:25	09/20/10 13:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 126957

170-30628

Date 9/18/10 Page 1 of 1

09/27/2010

Report To

Attn: Charles Rome
Company: Haley & Aldrich
Address: 2033 N. Main St. Ste 309 Walnut Creek, CA
Phone: 925-979-1454 Email: crome@haleyaldrich.com

Bill To: Same
Sampled By: C. Rome
Attn:
Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	TPH EPA - ☐ 8260B ☒ Gas w/ ☒ BTEX ☐ MTBE	TEPH EPA 8015M* ☒ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	(HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471) ☒	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ TDS	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
DISP-1	9/18/10	1315	S	Y/N	X	X								X							4
DISP-2	9/18/10	1325	W	Y	X	X								X							6

CR 9/18/10

Project Info

Project Name: GSA Alameda
Project#: 36455-001
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp: 32°C, 2.6°C
Conforms to record:

TAT: 5 Day | 3 Day | 2 Day | 1 Day
Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank
Fund EDF
Special Instructions / Comments: ☐ Global ID ___

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: Chuck Rome	Signature: Ed Martin	Signature:
Time: 1015	Time: 1300	Time:
Printed Name: Charles Rome	Printed Name: Ed Martin	Printed Name:
Date: 9/20/10	Date: 9-20-10	Date:
Company: Haley & Aldrich	Company: TBSF	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: Ed Martin	Signature: Jason Mullen	Signature:
Time: 10:15	Time: 1300	Time:
Printed Name: Ed Martin	Printed Name: Mullen	Printed Name:
Date: 9-20-10	Date: 9-20-10	Date:
Company: TBSF	Company: TestAmerica	Company:

Rev09/09

Page 26 of 27

Login Sample Receipt Check List

Client: Haley & Aldrich, Inc.

Job Number: 720-30628-1

Login Number: 30628

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX D

Manifest

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Jairo Torres
Deposit: Jairo Torres
BILL TO: 137
ENV AMERICA/ENV ENVIROMNT

Vehicle ID: 1370
Reference: PHLF10015
DriverOn?: N

Origin: ALAMEDA
DATE IN: 03/05/2010 TIME IN: 09:48:46
DATE OUT: 03/05/2010 TIME OUT: 10:11

INBOUND TICKET Number: 01-075242

SCALE 1 GROSS WT.	35460	LB
SCALE 3 TARE WT.	26000	LB
NET WEIGHT	9460	LB

Qty	Description	Amount
4.73	Profile Soil-T ADC	

X_____

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

Bin II

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
3675 POTRERO HILLS LANE
SUISUN, CA 94585

Deputy: Janae Quinonez
Deposit: Janae Quinonez
BILL TO: 137
ENV AMERICA/ENV ENVIROMNT

Vehicle ID: 1799215
Reference: PHLF10015
DriverOn?: N

Origin: ALAMEDA
DATE IN: 03/05/2010 TIME IN: 17:00:26
DATE OUT: 03/05/2010 TIME OUT: 17:42

INBOUND TICKET Number: 01-075401

SCALE 1 GROSS WT.	67000	LB
SCALE 3 TARE WT.	38680	LB
NET WEIGHT	28320	LB

Qty	Description	Amount
14.16	Profile Soil-T ADC	

X_____

Received 4-7-10 07

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

X_____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

X_____

75242

POTRERO HILLS LANDFILL
A Waste Connections Company

SCALE TAG# _____

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: GENERAL SERVICES ADMIN. / GSA
Address: 620 CENTRAL AVE
City: ALAMEDA County: ALAMEDA
State: CA Zip: 94501
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: ENV ENVIRONMENTAL INTERNATIONAL
Address: 6180 B EGRET CT
City: BENICIA County: SOLANO
State: CA Zip: 94510

Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
PHLF10015	PROFILE SOIL ADC	575	6/2/2010	
	Max tons for profile	150Tns		

*Attach Additional Sheet if necessary

I hereby certify that the above-described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Carolyn Cooley — Signature — 3/4/10

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: [illegible]
Transporter Address: 6150 Egret ct.
Benicia ca 94510
DOT# 12992.15
Truck Number: 1379
Phone Number: 707-751-3817

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Larry Ryland — Signature — 3-5-10

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: POTRERO HILLS LANDFILL, INC.
Site Address: 3675 POTRERO HILLS LANE SUISUN, CA 94585
Phone No. 707-432-4627
Truck Weight:

I hereby acknowledge receipt of the above-described materials.

JT — Signature — 3-5-10

Name (Print or Type) — Signature — Date Received

GSA0901

POTRERO HILLS LANDFILL
A Waste Connections Company

SCALE TAG# 7541

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: GENERAL SERVICES ADMIN. / GSA
Address: 620 CENTRAL AVE
City: ALAMEDA County: ALAMEDA
State: CA Zip: 94501
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: ENV ENVIRONMENTAL INTERNATIONAL
Address: 6180 B EGRET CT
City: BENICIA County: SOLANO
State: CA Zip: 94510

Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
PHLF10015	PROFILE SOIL ADC		6/2/2010	
	Max tons for profile	150 Tns		

*Attach Additional Sheet if necessary

I hereby certify that the above-described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Candida Cooley — 3/4/10

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

AD5417

Transporter Name: ENV Environmental
Transporter Address: 6180 Egret Ct.
Benicia, Ca. 94510
DOT# 1799215
Truck Number: [illegible]
Phone Number: 707-751-3417

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[illegible] — 3-5-10

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: POTRERO HILLS LANDFILL, INC. Phone No. 707-432-4627
Site Address: 3675 POTRERO HILLS LANE SUISUN, CA 94585 Truck Weight: 67000

I hereby acknowledge receipt of the above-described materials.

[illegible] — 3/5/10

Name (Print or Type) — Signature — Date Received

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number
	N/A		707.355.0150	GSA 0902.5

5. Generator's Name and Mailing Address: U.S. General Services Administration, 620 Central Avenue, Alameda, California 94501
Generator's Site Address (if different than mailing address):
Generator's Phone: (510) 337-9087

6. Transporter 1 Company Name: ENV Environmental International, Inc.
U.S. EPA ID Number: CAR000179382

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Crosby and Overton, 1610 W. 17th Street, Long Beach, CA 90813
U.S. EPA ID Number: CAD028409019
Facility's Phone: 562-432-5445

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Waste Liquids (Purged Water)	001	DM	30	G	
2.	Non Hazardous Waste Solids (Soil Debris)	001	DM	200	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
Send invoice to: ENV Environmental International, Inc. Attn: Mark Warn. Always wear proper PPE when handling this material.
Project number: GSA 0902.5 Alameda Soil and Water Disposal 9b.1 Profile number 78110 //9b.2 Profile number 78111

GENERATOR

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Carolyn Cooley
Signature: Carolyn Cooley
Month: 10 Day: 14 Year: 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Carlos Vargas
Signature: Carlos Vargas
Month: 10 Day: 14 Year: 10
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY TO GENERATOR