August 7, 2015

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Pkwy
Alameda, CA 94502

Re: Certification of Report
2868-2898 Hannah Street
ACEH Case No. RO0003160
Oakland, California

Dear Mr. Wickham:

I have reviewed the attached report dated August 10, 2015.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Roux Associates, upon whose assistance and advice I have relied.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,
2868 HANNAH STREET LLC

John Protoppapas
President of the LLC

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
555 12TH STREET, SUITE 1725
OAKLAND, CALIFORNIA 94607 TEL 415-967-6000 FAX 415-967-6001

August 10, 2015

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Pkwy
Alameda, California 94502

Re: Phase II Environmental Site Assessment Results
2868-2898 Hannah Street, Oakland, California

Dear Mr. Wickham:

Roux Associates, Inc. (Roux Associates) has prepared this summary letter presenting the results of the subsurface investigation requested by 2868 Hannah Street LLC (Client) at 2868-2898 Hannah Street, Oakland, California, California (Site). The objective of this Phase II Environmental Site Assessment (ESA) was to further assess tetrachloroethylene (PCE) concentrations observed during a 2008 subsurface investigation on the vacant portion of the Site.

The Site is located on the east side of Hannah Street between 32nd Street and Peralta Street on an approximately 13,800 square feet (sf) lot (Figure 1). The Site is bordered to the east by residential properties, the west by commercial properties and to the south by vacant land. A vacant building occupied the northern portion of the Site and was demolished in May 2015. The southern portion of the Site was undeveloped. Historically, a putty and paint factory occupied the southern portion of the site.

METHODS

On March 27, 2016, Roux Associates oversaw the advancement of five soil borings (RB-1 through RB-5) to approximately 20 feet below ground surface (ft bgs). Boring RB-1 was installed between the former borings EB6 and B-18. Borings RB-2 through RB-5 were installed to the east, north, west, and south of boring RB-1.

Subsurface Utility Clearance

Prior to subsurface activities, the Site was marked with white paint and Underground Service Alert (USA) was contacted to notify area utilities of the upcoming drilling activities. In addition to marking USA, Subdynamic, a private utility locator, was retained to identify and locate subsurface utilities not marked by USA.

Soil Borings

After utility clearance, Cascade Drilling, hand augered each boring to a depth of 5 feet below ground surface (ft bgs) to confirm the boring was free of any utilities prior to drilling. Following hand augering, each boring was advanced to approximately 20 ft bgs utilizing direct push technology. After collection of soil and groundwater samples, borings were abandoned in accordance with Alameda County Public Works Agency (ACPWA) requirements using Portland Type I/II cement grout.

Sampling

Soil samples were collected from each boring at 5, 10, 15, and 20 ft bgs, using terracore preservation kits. Samples were properly labeled, placed on ice, and transferred under chain-of-custody to Accutest Laboratories, a California Accredited laboratory. Soil samples collected from RB-1, RB-2, RB-3, and RB-4 and grab groundwater samples from all five borings were analyzed for:

- Total petroleum hydrocarbons as gasoline (TPHg) and Volatile Organic Compounds (VOCs) by EPA Method 8260; and

- Total petroleum hydrocarbons as diesel and motor oil (TPHd and TPHmo) by EPA Method 8015M.

Soil samples at RB-5 were placed on hold at the laboratory and were not analyzed.

SOIL LITHOLOGY

Soil encountered during this investigation consisted of medium plastic lean clay. First encountered groundwater ranged from between 7 and 14 ft bgs. Boring logs are presented as Attachment 1.

ANALTYCIAL RESULTS

Soil and groundwater laboratory reports are included as Appendix B and are summarized in Tables 1 and 2. Soil and groundwater results are presented in Figures 2 and 3. In general soil and groundwater constituents of concern (COCs) are consistent with the 2008 investigation.

Groundwater

As shown in Table 1, groundwater concentrations exceeding the San Francisco Bay Regional Water Quality Control Board's (RWQCB) Environmental Screening Levels (ESLs) for the evaluation of potential vapor intrusion concerns are limited to soil borings RB-1, RB-3 and RB-5 for PCE and its daughter products trichloroethylene (TCE) and vinyl chloride. RB-2 and RB-4 did not contain any concentrations above the ESLs. The highest

PCE concentration was detected in RB-3 (11,500 micrograms per liter [µg/L]) located approximately 40 feet east of boring RB-1. The lowest PCE concentration was observed in boring RB-5 (499 µg/L) located across Hannah Street from the site. Total petroleum hydrocarbons as gasoline, diesel, and motor oil (TPHg, TPHd, and TPHmo) were observed in all borings. However, these results were flagged by the laboratory due to the high concentration of PCE causing false detections. This is supported by the relatively low concentrations of TPHd and TPHmo, and the lack of TPHg in borings RB 2 and RB 4.

Soil

As shown in Table 2, soil concentrations follow a similar pattern to observed groundwater concentrations. Soil concentrations found to be exceeding commercial and residential ESLs for shallow soil are limited to PCE in RB-1 and RB-3 and a low estimated concentrations of cis-1,2-dichloroethylene (cis-1,2-DCE). In borings RB-2 and RB-4 no PCE or daughter products were detected above the laboratory reporting limits. PCE concentrations in RB-1 and RB-3 are generally ubiquitous throughout the soil column. Concentrations slightly increase with depth as they approach the groundwater table. In each of the borings, a sample was erroneously analyzed from within the saturated zone at 20 ft bgs and are likely representative of dissolved phase concentrations.

Currently PCE concentrations are bounded to the north and south, however; are not fully delineated to the east. Concentrations to the west likely continue to decrease similar to the observed groundwater concentrations. Total petroleum hydrocarbons as gasoline, diesel, and motor oil (TPHg, TPHd, and TPHmo) were observed in all borings. However, these results were flagged by the laboratory due to the high concentration of PCE causing false detections. This is supported by the relatively low concentrations of TPHd and TPHmo, and the lack of TPHg in borings RB-2 and RB-4.

RECOMMENDATIONS

Based upon the described findings, Roux Associates recommends the following activities to address the soil and groundwater impacts at the Site:

- A focused excavation surrounding RB-1 and RB-3 to remove the areas of elevated PCE concentrations in soil; and

- Implementation of enhanced reductive dechlorination program through the injection of substrates to mitigate elevated PCE concentrations in groundwater.

Prior to conducting soil and groundwater remediation discussed above, Roux Associates recommends the installation of two soil borings along the eastern portion of the site to delineate the eastern extent of PCE in soil and groundwater. Following delineation,

Roux Associates recommends the installation of three groundwater monitoring wells to better understand current hydrogeological conditions and to aid in the performance monitoring of the enhanced bioremediation program. Roux Associates will prepare work plans for the proposed soil and groundwater remediation under separate cover.

ADDITIONAL INVESTIGATION PROCEDURES

The following provides details associated with the installation of two soil borings and the installation of three groundwater monitoring wells. Figure 4 presents the initial location of soil borings and groundwater monitoring wells.

Health and Safety Plan

Roux Associates will utilize the previously prepared site-specific Health and Safety Plan to provide guidelines to all Site workers and visitors. The plan will be kept on-site at all times when work is occurring and will be reviewed and signed by all site workers prior to work each day.

Utility Location and Borehole Clearance

Roux Associates will contact Underground Service Alert (USA) a minimum of two days prior to subsurface activities to notify utility operators of the planned work and to request marking of nearby utilities. Additionally, Roux Associates will retain a private utility locator to clear proposed boring locations prior to drilling and to locate utilities within each of the tenant spaces. In addition, all locations will be hand cleared to 5 ft bgs using a hand auger per Roux Associates safety requirements.

Permits

Roux Associates will obtain well installation permits for each of the borings and groundwater monitoring wells from ACPWA.

Soil Borings

Roux Associates will retain a California licensed well drilling contractor to perform all subsurface drilling activities. The soil borings will be completed with direct push technology (DPT) drilling to approximately 20 feet bgs. Exact boring locations and final depths will be based on site and utility constraints. At the completion of sampling, DPT borings will be backfilled with cement grout placed from the bottom of the borehole to just below ground surface using a tremmie pipe in accordance with ACPWA requirements. The surface of completed borings will be restored with materials that are similar to the surrounding areas.

Soil and Groundwater Sampling Protocol

Soil will be sampled at approximately 5-foot intervals, at the soil/groundwater interface, where there are obvious lithological changes, and where staining or photoionization detector (PID) readings are observed. Select samples will be retained for laboratory analysis using appropriately preserved laboratory provided sample containers and analyzed for the constituents listed below. A Roux Associates geologist, engineer, or scientist will log collected soils using the Unified Soil Classification System (USCS) under the oversight of a California Professional Geologist or Engineer. Following collection of soil samples, a temporary PVC well screen will be placed in the borehole for groundwater sampling. Using a peristaltic pump or bailer, groundwater samples will be collected in laboratory provided sample containers. All samples will be sealed, labeled, logged on a chain of custody form, placed on ice and transported to a California State certified laboratory for analysis.

Monitoring Well Installation

Following collection of soil samples and confirmation that no proposed wells will be impacted by the proposed soil excavation, three monitoring wells will be installed to assess the site hydrogeology. Each monitoring well will first be sampled and logged utilizing the above procedures. Following collection of soil samples, the boring will be overdrilled with 8-inch hollow stem augers to approximately 20 ft bgs. Wells will be completed using 2-inch diameter Schedule 40 PVC casing with a 0.010-inch slotted screen from approximately 15 to 20 ft bgs with a #2/12 sand filter pack. Screen depths may be adjusted depending on the depth of first encountered groundwater. Wells will be constructed in accordance with the ACDPW permits and guidelines. Exact well locations and final depths will be based on site and utility constraints, and the results of the initial soil sampling results. Well locations and top-of-casing elevations will be surveyed by a licensed land surveyor. Well development will be completed at least two days following installation. Monitoring wells will be sampled for one year on a quarterly basis followed by semi-annual groundwater sampling as warranted.

Chemical Analysis

Select soil and groundwater samples will be analyzed by a California certified laboratory for the following parameters:

- TPHd and TPHmo by U.S. EPA Method 8015M
- TPHg and VOCs by U.S. EPA Method 8260B
- Title 22 Metals by U.S. EPA Method 6010 (Waste Only)

Soil Disposal

Soil cuttings and purge water from the drilling activities will be temporarily stored in properly labeled 55-gallon drums. Following waste profiling, the waste will be transported to an appropriate disposal facility by a licensed transporter within 90 days.

CLOSING

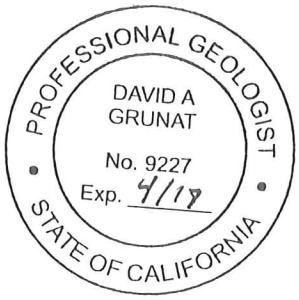
We appreciate this opportunity to work with Alameda County Environmental Health (ACEH). We will complete the additional investigation following the receipt of ACEH's approval. Should you have any questions or require further information, do not hesitate to contact Angela Liang Cutting by telephone at (510) 828-4248 or David Grunat (510) 967-6019.

Sincerely,

ROUX ASSOCIATES, INC.

Angela Liang Cutting, Ph.D., P.E.
Principal Engineer

David Grunat, P.G.
Project Geologist



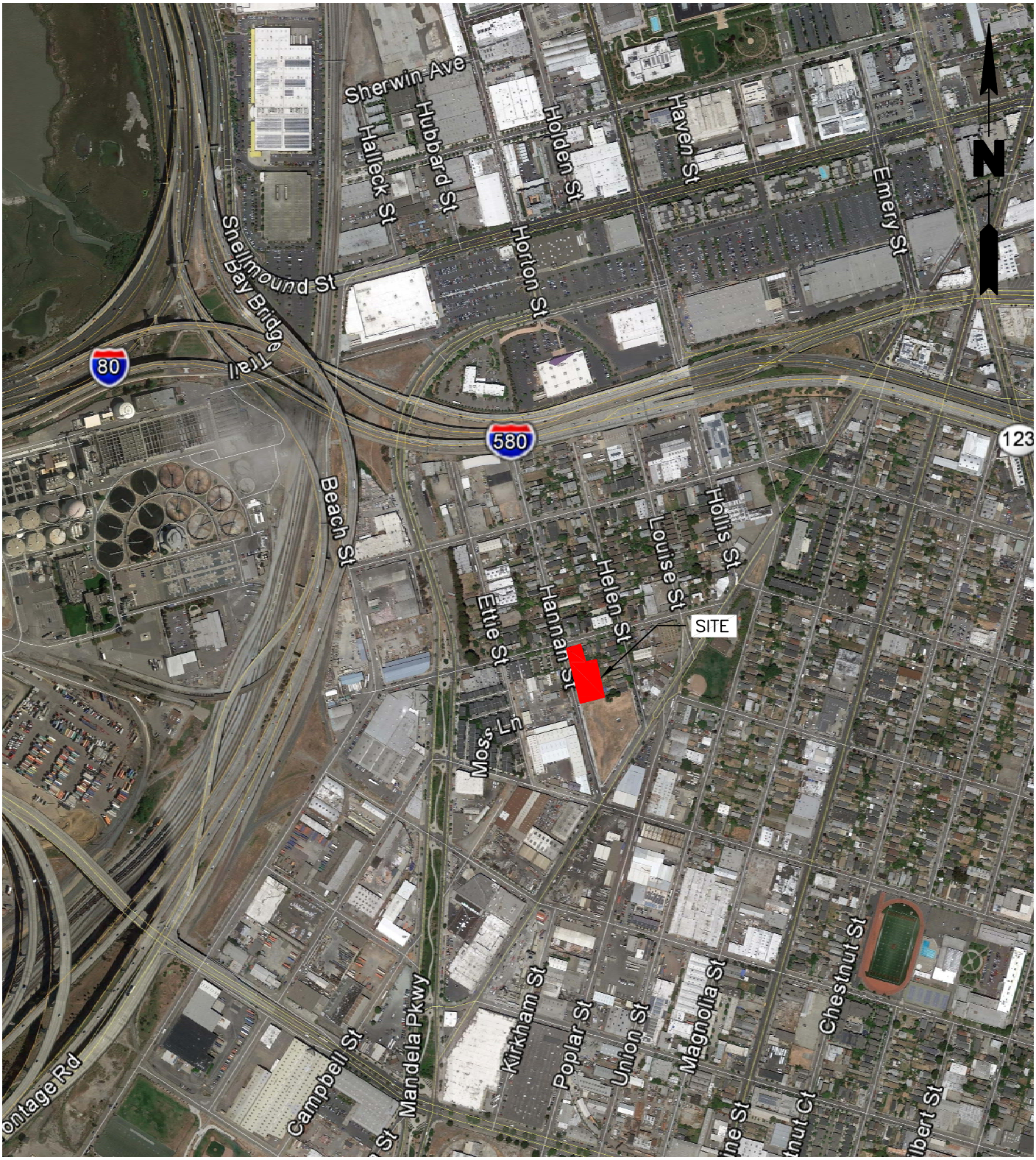
Attachments:

Figure 1 Vicinity Map
Figure 2 PCE Concentrations in Groundwater
Figure 3 PCE Concentrations in Soil
Figure 4 Proposed Sampling Locations

Table 1 Grab Groundwater Results
Table 2 Soil Results

Attachment 1 Boring Logs
Attachment 2 Laboratory Report

1. Vicinity Map
2. PCE Concentrations in Groundwater
3. PCE Concentrations in Soil
4. Proposed Sampling Locations



LEGEND

SITE LOCATION

750' 0 750'

Title:

VICINITY MAP

2868 HANNAH STREET
OAKLAND, CALIFORNIA

Prepared For:

2868 HANNAH STREET, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: NR	Date: 31JUL15	FIGURE
Prepared by: NR	Scale: AS SHOWN	1
Project Mgr: DG	Project: 2463.0003S000	
File: 2463.0003S102.05.DWG		

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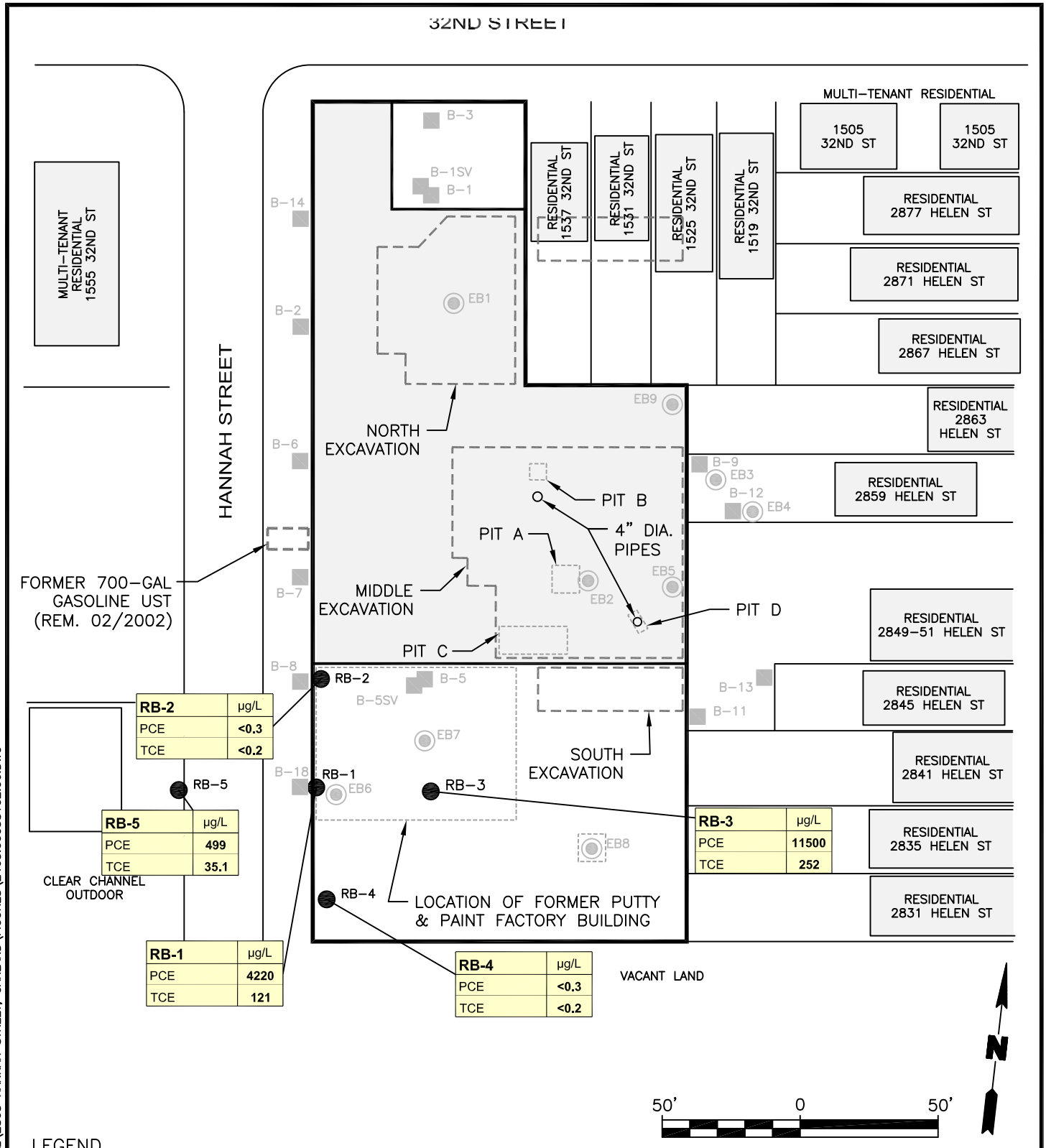

LEGEND

- PROPOSED LIMITS OF SOIL AND GROUNDWATER REMEDIATION
- ENVIRONMENTAL RISK SPECIALTIES SOIL BORING LOCATION
- ENVIRONMENTAL RESTORATION SERVICES BORING LOCATION
- ROUX PHASE II SOIL BORING LOCATION

Title:

PHASE II INVESTIGATION DISTRIBUTION OF PCE AND TCE IN GROUNDWATER

2868 HANNAH STREET
OAKLAND CALIFORNIA

Prepared For:

2868 HANNAH STREET, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: D.F.	Date: 07AUG15	FIGURE
Prepared by: N.R.	Scale: AS SHOWN	2
Project Mgr: A.C.	Project: 2463.0003S000	
File: 2463.0003S102.06.DWG		

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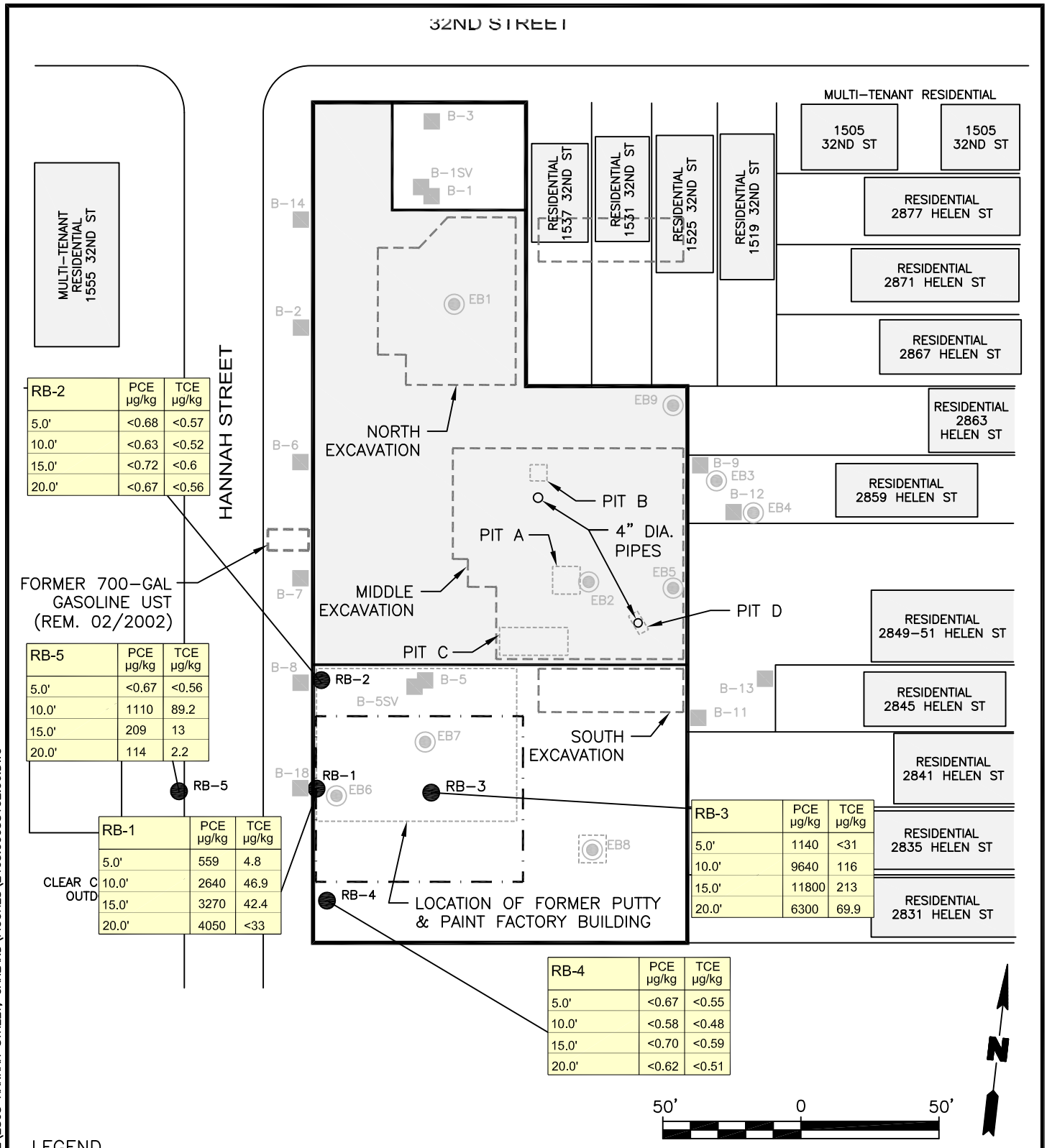

RB-2	PCE µg/kg	TCE µg/kg
5.0'	<0.68	<0.57
10.0'	<0.63	<0.52
15.0'	<0.72	<0.6
20.0'	<0.67	<0.56

RB-5	PCE µg/kg	TCE µg/kg
5.0'	<0.67	<0.56
10.0'	1110	89.2
15.0'	209	13
20.0'	114	2.2

RB-1	PCE µg/kg	TCE µg/kg
5.0'	559	4.8
10.0'	2640	46.9
15.0'	3270	42.4
20.0'	4050	<33

RB-3	PCE µg/kg	TCE µg/kg
5.0'	1140	<31
10.0'	9640	116
15.0'	11800	213
20.0'	6300	69.9

RB-4	PCE µg/kg	TCE µg/kg
5.0'	<0.67	<0.55
10.0'	<0.58	<0.48
15.0'	<0.70	<0.59
20.0'	<0.62	<0.51

LEGEND

- PROPOSED LIMITS OF SOIL AND GROUNDWATER REMEDIATION
- ENVIRONMENTAL RISK SPECIALTIES SOIL BORING LOCATION
- ENVIRONMENTAL RESTORATION SERVICES BORING LOCATION
- ROUX PHASE II SOIL BORING LOCATION

Title:

PHASE II INVESTIGATION DISTRIBUTION OF PCE AND TCE IN SOIL

2868 HANNAH STREET
OAKLAND CALIFORNIA

Prepared For:

2868 HANNAH STREET, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: D.F.	Date: 07AUG15	FIGURE
Prepared by: N.R.	Scale: AS SHOWN	3
Project Mgr: A.C.	Project: 2463.0003S000	
File: 2463.0003S102.06.DWG		

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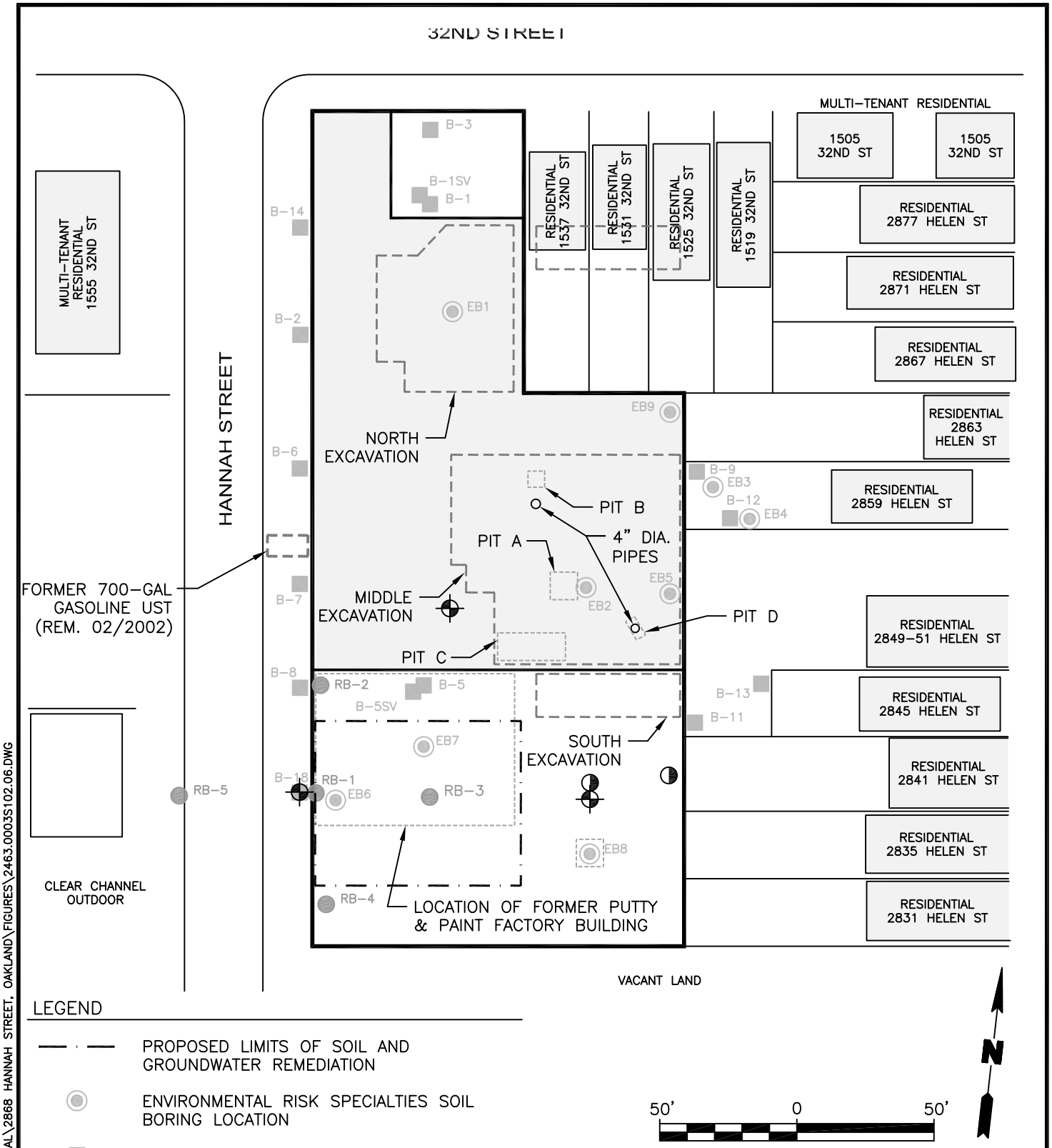

LEGEND

- PROPOSED LIMITS OF SOIL AND GROUNDWATER REMEDIATION
- ENVIRONMENTAL RISK SPECIALTIES SOIL BORING LOCATION
- ENVIRONMENTAL RESTORATION SERVICES BORING LOCATION
- ROUX PHASE II SOIL BORING LOCATION
- PROPOSED GROUNDWATER MONITORING WELL
- PROPOSED SOIL BORING LOCATION

Title:

PROPOSED SAMPLING LOCATIONS

2868 HANNAH ST.
OAKLAND, CALIFORNIA

Prepared For:

2868 HANNAH STREET, LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: N.R.	Date: 07AUG15	FIGURE
Prepared by: N.R.	Scale: AS SHOWN	4
Project Mgr: A.C.	Project: 2463.0003S000	
File: 2463.0003S102.06.DWG		

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1. Grab Groundwater Results
2. Soil Results

Table 1
Grab Groundwater Results
2868-2898 Hannah Street
Oakland, California

Boring ID	Date	Acetone	cis-1,2-Dichloroethylene (cis-1,2-DCE)	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Vinyl chloride	Xylene (total)	Other VOCs	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Total Petroleum Hydrocarbons as Diesel (TPHd)	Total Petroleum Hydrocarbons as Motor Oil (TPHmo)
		micrograms per liter (µg/L)									
RB-1	**3/27/2015**	<400	**163**	**4,220**	**121**	<20	<46	ND	**7200[d]**	**294**	**273**
RB-2	**3/27/2015**	<4.0	<0.20	<0.30	<0.20	<0.20	<0.46	ND	<25	**264**	**234**
RB-3	**3/27/2015**	<1000	**396**	**11,500**	**252**	**56.4 J**	<120	ND	**19500[d]**	**320**	**187 J**
RB-4	**3/27/2015**	**6.0 J**	<0.20	<0.30	<0.20	<0.20	**0.86 J**	ND	<25	**79.8 J**	**80.8 J**
RB-5	**3/27/2015**	<40	**48.6**	**499**	**35.1**	**4.6 J**	<4.6	ND	**924[d]**	**164**	**110 J**
ESLs											
Table E-1	**Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Residential)**	130,000,000	3,100	63	130	2	37,000	NA	No Value	No Value	No Value
Table E-1	**Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Commercial)**	Sample Soil Gas	26,000	640	1,300	18	Sample Soil Gas	NA	No Value	No Value	No Value

Notes:

j = Estimated value

d = Atypical pattern; value primarily due to a single peak(s).

<x.xx = Concentration not detected above x.xx reporting limit

Concentration exceeds environmental screening level (ESL)

Volatile Organic Compounds (VOCs) and TPHg by EPA Method 8260

TPHd and TPHmo by EPA Method 8015

Table 2
Soil Results
2868-2898 Hannah Street
Oakland, California

Client Sample ID:	Depth	Date Sampled:	Acetone	cis-1,2-Dichloroethylene (cis-1,2-DCE)	trans-1,2-Dichloroethylene	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Vinyl chloride	Other VOCs	Total Petroleum Hydrocarbons as Gasoline (TPHg)	Total Petroleum Hydrocarbons as Diesel (TPHd)	Total Petroleum Hydrocarbons as Motor Oil (TPHmo)	Moisture, Percent
			micrograms per kilogram (µg/kg)										%
RB-1	**5**	**3/27/2015**	<10	<1.2	<0.52	**559**	**4.8 J**	<1.0	ND	**503** [c]	**1,810 J**	**15,100 J**	18.2
RB-1	**10**	**3/27/2015**	<10	**46.1**	**1.7 J**	**2,640**	**46.9**	**1.3 J**	ND	**2,340 E** [a]	**1,170 J**	**6,910 J**	20.3
RB-1	**15**	**3/27/2015**	<10	**45.1**	**5.1 J**	**3,270**	**42.4**	**7.2**	ND	**2,690 E** [b]	**1,158 J**	**2,650 J**	19.8
RB-1	**20**	**3/27/2015**	<650	<72	<33	**4,050**	<33	<65	ND	**7,040** [c]	**1,260 J**	**2.510 J**	21.7
RB-2	**5**	**3/27/2015**	<11	<1.2	<0.57	<0.68	<0.57	<1.1	ND	<57	<990	<2000	15.7
RB-2	**10**	**3/27/2015**	<10	<1.2	<0.52	<0.63	<0.52	<1.0	ND	<52	<1000	<2100	20.1
RB-2	**15**	**3/27/2015**	<12	<1.3	<0.60	<0.72	<0.60	<1.2	ND	<60	**1,270 J**	<2100	20.2
RB-2	**20**	**3/27/2015**	<11	<1.2	<0.56	<0.67	<0.56	<1.1	ND	<56	**1,050 J**	<2100	19.4
RB-3	**5**	**3/27/2015**	<610	<67	<31	**1,140**	<31	<61	ND	**4,150 J** [c]	<1000	<2000	18.4
RB-3	**10**	**3/27/2015**	<2,200	**243 J**	<110	**9,640**	**116 J**	<220	ND	**16,900 J** [c]	**1,140 J**	<2000	14.7
RB-3	**15**	**3/27/2015**	<2,300	**325 J**	<120	**11,800**	**213 J**	<230	ND	**22,300 J** [c]	**1,280 J**	<2100	20.2
RB-3	**20**	**3/27/2015**	<1,100	<130	<57	**6,300**	**69.9 J**	<110	ND	**12,800** [c]	<1100	<2100	21.9
RB-4	**5**	**3/27/2015**	<11	<1.2	<0.55	<0.67	<0.55	<1.1	ND	<55	**1,860 J**	**5,050 J**	19.1
RB-4	**10**	**3/27/2015**	<9.7	<1.1	<0.48	<0.58	<0.48	<0.97	ND	<48	<1000	<2000	17.6
RB-4	**15**	**3/27/2015**	<12	<1.3	<0.59	<0.70	<0.59	<1.2	ND	<59	**1,210 J**	<2100	19.7
RB-4	**20**	**3/27/2015**	<10	<1.1	<0.51	<0.62	<0.51	<1.0	ND	**52.1 J**	<1000	<2100	19.9
RB-5	**5**	**3/27/2015**	**15.9 J**	<1.2	<0.56	<0.67	<0.56	**3.1 J**	ND	**59.8 J**	**2640 J**	**3900 J**	20.7
RB-5	**10**	**3/27/2015**	<9.5	**80.7**	**3.7 J**	**1,110**	**89.2**	**11.9**	ND	**3,690 J** [c]	**1400 J**	<2100	21.6
RB-5	**15**	**3/27/2015**	<9.3	**17.9**	**1.2 J**	**209 J**	**13**	**3.8 J**	ND	**316** [c]	**1530 J**	<2000	19.5
RB-5	**20**	**3/27/2015**	<9.6	**2.3 J**	<0.48	**114**	**2.2 J**	<0.96	ND	**164** [c]	**1160 J**	<2000	19.6
ESLs													
Table A-1	**Shallow Soil Screening Levels- Residential Land Use (Groundwater is a current or potential drinking water resource)**		0.5	190	670	550	460	32	NA	100,000	100,000	100,000	NA
Table A-2	**Shallow Soil Screening Levels- Commercial Land Use (Groundwater is a current or potential drinking water resource)**		0.5	190	760	700	460	85	NA	500,000	110,000	500,000	NA

Notes:

j = Estimated value

E = value exceeds calibration range

a = Result reported as an estimated value from low-level run (exceeded calibration range). Compound was < RL in methanol extract run due to dilution for a single peak (Tetrachloroethene).

b = Result reported as an estimated value from low-level run (exceeded calibration range). Compound was < RL in methanol due to dilution for a single peak (Tetrachloroethene).

c = Atypical pattern; value primarily due to a single peak(s).

<x.xx = Concentration not detected above x.xx reporting limit

Concentration exceeds environmental screening level (ESL)

Volatile Organic Compounds (VOCs) and TPHg by EPA Method 8260

TPHd and TPHmo by EPA Method 8015

Boring Logs

ROUX	**Client:** Roux Associates **Project:** 2868 Hannah Street **Address:** 2868 Hannah Street, Oakland, CA	**BORING LOG** **Boring No. RB-1** **Page: 1 of 1**

Hole Clear. Date:	**3/27/2015**	Boring Depth (ft):	**20**
Hole Clear. Company:	**Cascade Drilling**	Boring Diameter (in):	**2**
Hole Clear. Method:	**Hand Auger**	Sampling Method(s):	**Grab**
Drilling Start Date:	**3/27/2015**	Logged By:	**Sydney Ward**
Drilling End Date:	**3/27/2015**	Boring Location (X):	
Drilling Company:	**Cascade Drilling**	Boring Location (Y):	
Drilling Method:	**Direct Push**	Ground Surface Elev.:	

DEPTH (ft.)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') Poorly graded SAND with gravel (SP); mostly fine-medium grained sand, little fine-coarse gravel, loose, dry, light gray.			0
								(2.5') Lean CLAY (CL); few silt, mostly clay, medium plasticity, medium stiff, moist, dark gray.			
5				GR	10:05			Pre-cleared to 5.0' bgs.	6.8		5
								(6.0') Lean CLAY (CL); trace fine sand, trace silt, mostly clay, medium plasticity, medium stiff, moist, tan, some dark staining.			
10		▽		GR	10:15				8.3		10
								(12.0') Lean CLAY (CL); trace fine-coarse gravel, little silt, mostly clay, medium plasticity, medium stiff, moist, orange/brown with light gray mottling, dark staining visible throughout length.			
15				GR	10:20				19.2		15
								(16.0') Lean CLAY (CL); trace fine-coarse gravel, little silt, mostly clay, medium plasticity, very soft, wet, orange/brown with light gray mottling.			
20				GR	10:25				36.6		20

NOTES:

ROUX	**Client:** Roux Associates **Project:** 2868 Hannah Street **Address:** 2868 Hannah Street, Oakland, CA	**BORING LOG** **Boring No. RB-2** **Page: 1 of 1**

Hole Clear. Date:	**3/27/2015**	Boring Depth (ft):	**20**
Hole Clear. Company:	**Cascade Drilling**	Boring Diameter (in):	**2**
Hole Clear. Method:	**Hand Auger**	Sampling Method(s):	**Grab**
Drilling Start Date:	**3/27/2015**	Logged By:	**Sydney Ward**
Drilling End Date:	**3/27/2015**	Boring Location (X):	
Drilling Company:	**Cascade Drilling**	Boring Location (Y):	
Drilling Method:	**Direct Push**	Ground Surface Elev.:	

DEPTH (ft.)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') Poorly graded SAND with gravel (SP); mostly fine-medium grained sand, little fine-coarse gravel, trace silt, loose, dry, gray.			0
								(1') Lean CLAY (CL); trace silt, mostly clay, medium plasticity, stiff, dry, dark gray.			
								(3') Lean CLAY (CL); trace silt, mostly clay, medium plasticity, medium stiff, moist, light brown.			
5				GR	12:40			Pre-cleared to 5.0' bgs.	3.3		5
		▽						(7.0') Lean CLAY (CL); trace silt, mostly clay, medium plasticity, medium stiff, wet, light gray, dark staining.			
10				GR	12:45				4.1		10
								(12.0') Lean CLAY (CL); trace silt, mostly clay, medium plasticity, soft, wet, orange/brown with gray mottling, dark staining.			
15				GR	12:50				4.1		15
								(19') Lean CLAY (CL); trace silt, mostly clay, medium plasticity, very soft, wet, orange/brown with gray mottling, dark staining.			
20				GR	12:55				9.5		20

NOTES:

ROUX	**Client:** Roux Associates **Project:** 2868 Hannah Street **Address:** 2868 Hannah Street, Oakland, CA	**BORING LOG** **Boring No. RB-3** **Page: 1 of 1**

Hole Clear. Date:	**3/27/2015**	Boring Depth (ft):	**20**
Hole Clear. Company:	**Cascade Drilling**	Boring Diameter (in):	**2**
Hole Clear. Method:	**Hand Auger**	Sampling Method(s):	**Grab**
Drilling Start Date:	**3/27/2015**	Logged By:	**Sydney Ward**
Drilling End Date:	**3/27/2015**	Boring Location (X):	
Drilling Company:	**Cascade Drilling**	Boring Location (Y):	
Drilling Method:	**Direct Push**	Ground Surface Elev.:	

DEPTH (ft.)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') Poorly graded SAND with gravel (SP); mostly fine-medium grained sand, little fine-coarse gravel, trace silt, loose, dry, brown.			0
								(3') Lean CLAY (CL); trace fine-coarse gravel, trace silt, mostly clay, medium plasticity, medium stiff, moist, dark gray.			
5				GR	11:00			Pre-cleared to 5.0' bgs.	8.9		5
								(6') Lean CLAY (CL); few silt, mostly clay, medium plasticity, medium stiff, moist, tan, some dark staining.			
10				GR	11:05				20.9		10
								(12') Lean CLAY (CL); little silt, mostly clay, medium plasticity, medium stiff, moist, orange/brown with light gray mottling, dark staining.			
15				GR	11:07				54.9		15
								(16') Lean CLAY (CL); little silt, mostly clay, medium plasticity, soft, wet, orange/brown with light gray mottling, dark staining.			
20				GR	11:10				44.7		20

NOTES:

ROUX	**Client:** Roux Associates **Project:** 2868 Hannah Street **Address:** 2868 Hannah Street, Oakland, CA	**BORING LOG** **Boring No. RB-4** **Page: 1 of 1**

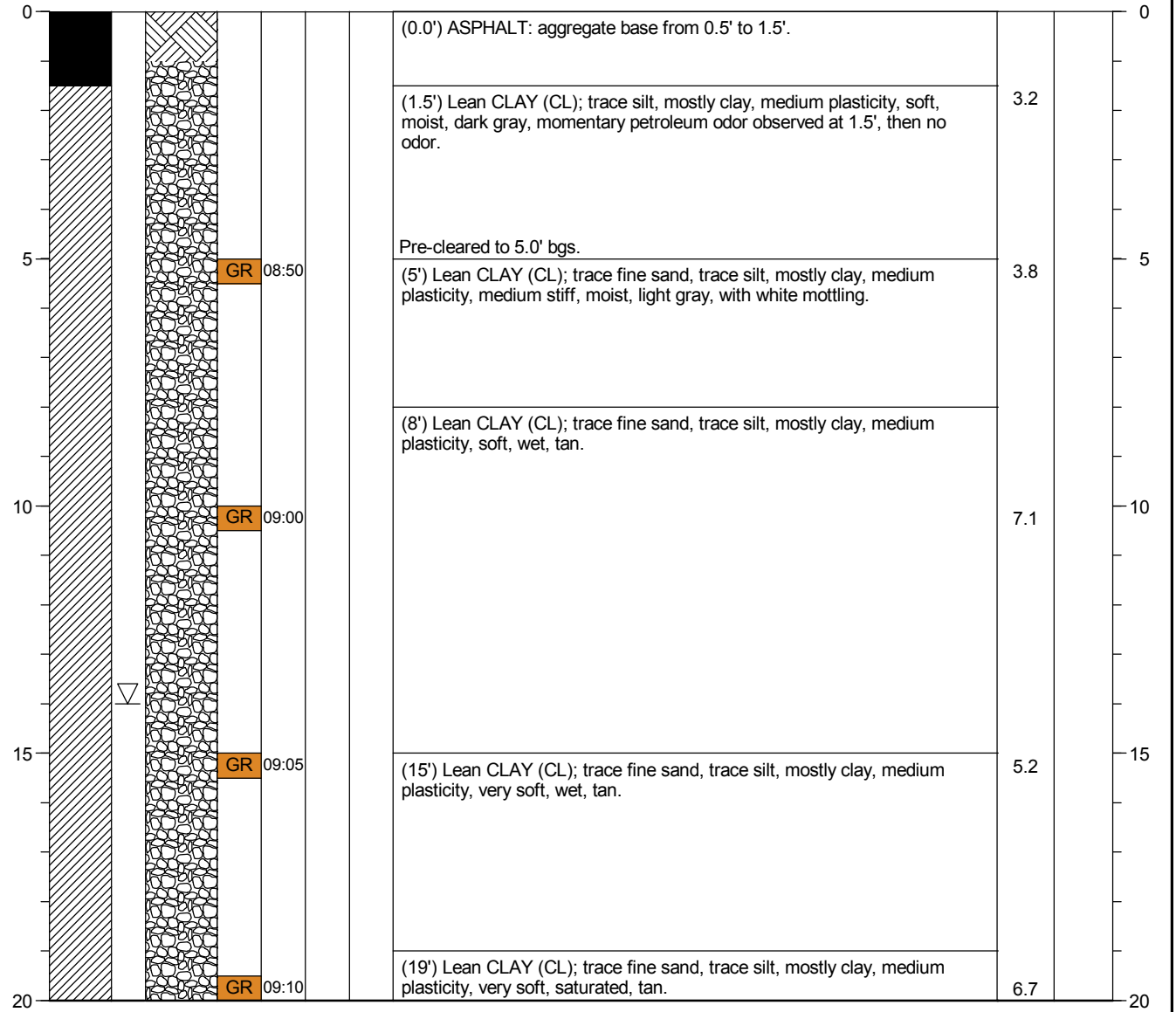
Hole Clear. Date:	**3/27/2015**	Boring Depth (ft):	**20**
Hole Clear. Company:	**Cascade Drilling**	Boring Diameter (in):	**2**
Hole Clear. Method:	**Hand Auger**	Sampling Method(s):	**Grab**
Drilling Start Date:	**3/27/2015**	Logged By:	**Sydney Ward**
Drilling End Date:	**3/27/2015**	Boring Location (X):	
Drilling Company:	**Cascade Drilling**	Boring Location (Y):	
Drilling Method:	**Direct Push**	Ground Surface Elev.:	

DEPTH (ft.)	LITHOLOGY	WATER LEVEL	BORING COMPLETION	COLLECT: Sample Type	COLLECT: Date & Time	COLLECT: Blow Counts	COLLECT: Recovery (ft)	SOIL/ROCK VISUAL DESCRIPTION	MEASURE: PID (ppm)	MEASURE: Lab Sample	DEPTH (ft.)
0								(0') Poorly graded SAND with gravel (SP); mostly fine-medium grained sand, little fine-coarse gravel, loose, dry, brown.			0
								(1') Sandy lean CLAY (CL); some fine sand, mostly clay, medium plasticity, soft, dry, orange/brown.			
								(2.5') Lean CLAY (CL); little silt, mostly clay, medium plasticity, medium stiff, moist, dark gray, slight staining.			
5		▽		GR	13:40			Pre-cleared to 5.0' bgs.	7.5		5
								(7') Lean CLAY (CL); little silt, mostly clay, medium plasticity, medium stiff, moist, light gray, slight staining.			
10				GR	13:45				3.8		10
								(12') Lean CLAY (CL); little silt, mostly clay, medium plasticity, soft, wet, orange/brown with gray mottling, moderate staining.			
15				GR	13:50				3.9		15
								(19') Sandy lean CLAY (CL); some fine sand, mostly clay, medium plasticity, very soft, wet, orange/brown with gray mottling.	5.7		
20				GR	13:55						20

NOTES:

ROUX	**Client:** Roux Associates **Project:** 2868 Hannah Street **Address:** 2868 Hannah Street, Oakland, CA	**BORING LOG** **Boring No. RB-5** **Page: 1 of 1**

Hole Clear. Date:	**3/27/2015**	Boring Depth (ft):	**20**
Hole Clear. Company:	**Cascade Drilling**	Boring Diameter (in):	**2**
Hole Clear. Method:	**Hand Auger**	Sampling Method(s):	**Grab**
Drilling Start Date:	**3/27/2015**	Logged By:	**Sydney Ward**
Drilling End Date:	**3/27/2015**	Boring Location (X):	
Drilling Company:	**Cascade Drilling**	Boring Location (Y):	
Drilling Method:	**Direct Push**	Ground Surface Elev.:	



NOTES:

Laboratory Report

Northern California ACCUTEST LABORATORIES

08/06/15

Technical Report for

ROUX Associates - Oakland CA

2868 Hannah St. Oakland CA

Accutest Job Number: C39138

Sampling Date: 03/27/15

Report to:

ROUX Associates, Inc.
555 12th Street Suite 1725
Oakland, CA 94607
dgrunat@rouxinc.com

ATTN: David Grunat

Total number of pages in report: **174**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925) DoD ELAP (L-A-B L2242)

Sections: 1 2 3 4 5 6

Table of Contents

Accutest Laboratories

Sample Summary

ROUX Associates - Oakland CA

2868 Hannah St. Oakland CA

Job No: C39138

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C39138-5	03/27/15	10:05	JR	03/27/15	SO	Soil	RB-1 5.0'
C39138-6	03/27/15	10:15	JR	03/27/15	SO	Soil	RB-1 10.0'
C39138-7	03/27/15	10:20	JR	03/27/15	SO	Soil	RB-1 15.0'
C39138-8	03/27/15	10:25	JR	03/27/15	SO	Soil	RB-1 20.0'
C39138-9	03/27/15	11:15	JR	03/27/15	AQ	Ground Water	RB-5 GW
C39138-10	03/27/15	11:30	JR	03/27/15	AQ	Ground Water	RB-1 GW
C39138-11	03/27/15	11:00	JR	03/27/15	SO	Soil	RB-3 5.0'
C39138-12	03/27/15	11:05	JR	03/27/15	SO	Soil	RB-3 10.0'
C39138-13	03/27/15	11:07	JR	03/27/15	SO	Soil	RB-3 15.0'
C39138-14	03/27/15	11:10	JR	03/27/15	SO	Soil	RB-3 20.0'
C39138-15	03/27/15	12:40	JR	03/27/15	SO	Soil	RB-2 5.0'
C39138-16	03/27/15	12:45	JR	03/27/15	SO	Soil	RB-2 10.0'
C39138-17	03/27/15	12:50	JR	03/27/15	SO	Soil	RB-2 15.0'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

ROUX Associates - Oakland CA

Job No: C39138

2868 Hannah St. Oakland CA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C39138-18	03/27/15	12:55	JR	03/27/15	SO	Soil	RB-2 20.0'
C39138-19	03/27/15	13:40	JR	03/27/15	SO	Soil	RB-4 5.0'
C39138-20	03/27/15	13:45	JR	03/27/15	SO	Soil	RB-4 10.0'
C39138-21	03/27/15	13:50	JR	03/27/15	SO	Soil	RB-4 15.0'
C39138-22	03/27/15	13:55	JR	03/27/15	SO	Soil	RB-4 20.0'
C39138-23	03/27/15	13:05	JR	03/27/15	AQ	Ground Water	RB-3 GW
C39138-24	03/27/15	13:55	JR	03/27/15	AQ	Ground Water	RB-2 GW
C39138-25	03/27/15	14:30	JR	03/27/15	AQ	Ground Water	RB-4 GW

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C39138
Account: ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA
Collected: 03/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C39138-5	**RB-1 5.0'**					
Tetrachloroethylene		559	290	35	ug/kg	SW846 8260B
Trichloroethylene		4.8 J	5.2	0.52	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		503	100	52	ug/kg	SW846 8260B
TPH (C10-C28)		1.81 J	4.0	1.0	mg/kg	SW846 8015B M
TPH (> C28-C40)		15.1	8.0	2.0	mg/kg	SW846 8015B M
C39138-6	**RB-1 10.0'**					
cis-1,2-Dichloroethylene		46.1	5.1	1.1	ug/kg	SW846 8260B
trans-1,2-Dichloroethylene		1.7 J	5.1	0.51	ug/kg	SW846 8260B
Tetrachloroethylene		2640	750	90	ug/kg	SW846 8260B
Trichloroethylene		46.9	5.1	0.51	ug/kg	SW846 8260B
Vinyl chloride		1.3 J	5.1	1.0	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [b]		2340 E	100	51	ug/kg	SW846 8260B
TPH (C10-C28)		1.17 J	4.2	1.0	mg/kg	SW846 8015B M
TPH (> C28-C40)		6.91 J	8.3	2.1	mg/kg	SW846 8015B M
C39138-7	**RB-1 15.0'**					
cis-1,2-Dichloroethylene		45.1	5.2	1.1	ug/kg	SW846 8260B
trans-1,2-Dichloroethylene		5.1 J	5.2	0.52	ug/kg	SW846 8260B
Tetrachloroethylene		3270	760	91	ug/kg	SW846 8260B
Trichloroethylene		42.4	5.2	0.52	ug/kg	SW846 8260B
Vinyl chloride		7.2	5.2	1.0	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [b]		2690 E	100	52	ug/kg	SW846 8260B
TPH (C10-C28)		1.58 J	4.1	1.0	mg/kg	SW846 8015B M
TPH (> C28-C40)		2.65 J	8.2	2.1	mg/kg	SW846 8015B M
C39138-8	**RB-1 20.0'**					
Tetrachloroethylene		4050	330	39	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		7040	6500	3300	ug/kg	SW846 8260B
TPH (C10-C28)		1.26 J	4.2	1.1	mg/kg	SW846 8015B M
TPH (> C28-C40)		2.51 J	8.5	2.1	mg/kg	SW846 8015B M
C39138-9	**RB-5 GW**					
cis-1,2-Dichloroethylene [c]		48.6	10	2.0	ug/l	SW846 8260B
Tetrachloroethylene [c]		499	10	3.0	ug/l	SW846 8260B
Trichloroethylene [c]		35.1	10	2.0	ug/l	SW846 8260B
Vinyl chloride [c]		4.6 J	10	2.0	ug/l	SW846 8260B
TPH-GRO (C6-C10) [d]		924	500	250	ug/l	SW846 8260B
TPH (C10-C28)		0.164	0.10	0.026	mg/l	SW846 8015B M

Summary of Hits

Job Number: C39138
Account: ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA
Collected: 03/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TPH (> C28-C40)		0.110 J	0.21	0.052	mg/l	SW846 8015B M
C39138-10	**RB-1 GW**					
cis-1,2-Dichloroethylene [c]		163	100	20	ug/l	SW846 8260B
Tetrachloroethylene [c]		4220	100	30	ug/l	SW846 8260B
Trichloroethylene [c]		121	100	20	ug/l	SW846 8260B
TPH-GRO (C6-C10) [d]		7200	5000	2500	ug/l	SW846 8260B
TPH (C10-C28)		0.294	0.10	0.025	mg/l	SW846 8015B M
TPH (> C28-C40)		0.273	0.20	0.050	mg/l	SW846 8015B M
C39138-11	**RB-3 5.0'**					
Tetrachloroethylene		1140	310	37	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		4150 J	6100	3100	ug/kg	SW846 8260B
C39138-12	**RB-3 10.0'**					
cis-1,2-Dichloroethylene		243 J	1100	240	ug/kg	SW846 8260B
Tetrachloroethylene		9640	1100	130	ug/kg	SW846 8260B
Trichloroethylene		116 J	1100	110	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		16900 J	22000	11000	ug/kg	SW846 8260B
TPH (C10-C28)		1.14 J	3.9	0.98	mg/kg	SW846 8015B M
C39138-13	**RB-3 15.0'**					
cis-1,2-Dichloroethylene		325 J	1200	260	ug/kg	SW846 8260B
Tetrachloroethylene		11800	1200	140	ug/kg	SW846 8260B
Trichloroethylene		213 J	1200	120	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		22300 J	23000	12000	ug/kg	SW846 8260B
TPH (C10-C28)		1.28 J	4.2	1.0	mg/kg	SW846 8015B M
C39138-14	**RB-3 20.0'**					
Tetrachloroethylene		6300	570	69	ug/kg	SW846 8260B
Trichloroethylene		69.9 J	570	57	ug/kg	SW846 8260B
TPH-GRO (C6-C10) [a]		12800	11000	5700	ug/kg	SW846 8260B
C39138-15	**RB-2 5.0'**					
No hits reported in this sample.						
C39138-16	**RB-2 10.0'**					
No hits reported in this sample.						

Summary of Hits

Job Number: C39138
Account: ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA
Collected: 03/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C39138-17	**RB-2 15.0'**					
TPH (C10-C28)		1.27 J	4.1	1.0	mg/kg	SW846 8015B M
C39138-18	**RB-2 20.0'**					
TPH (C10-C28)		1.05 J	4.1	1.0	mg/kg	SW846 8015B M
C39138-19	**RB-4 5.0'**					
TPH (C10-C28)		1.86 J	4.1	1.0	mg/kg	SW846 8015B M
TPH (> C28-C40)		5.05 J	8.2	2.1	mg/kg	SW846 8015B M
C39138-20	**RB-4 10.0'**					
No hits reported in this sample.						
C39138-21	**RB-4 15.0'**					
TPH (C10-C28)		1.21 J	4.1	1.0	mg/kg	SW846 8015B M
C39138-22	**RB-4 20.0'**					
TPH-GRO (C6-C10) [e]		52.1 J	100	51	ug/kg	SW846 8260B
C39138-23	**RB-3 GW**					
cis-1,2-Dichloroethylene [c]		396	250	50	ug/l	SW846 8260B
Tetrachloroethylene [c]		11500	250	75	ug/l	SW846 8260B
Trichloroethylene [c]		252	250	50	ug/l	SW846 8260B
Vinyl chloride [c]		56.4 J	250	50	ug/l	SW846 8260B
TPH-GRO (C6-C10) [d]		19500	13000	6300	ug/l	SW846 8260B
TPH (C10-C28)		0.320	0.10	0.025	mg/l	SW846 8015B M
TPH (> C28-C40)		0.187 J	0.20	0.050	mg/l	SW846 8015B M
C39138-24	**RB-2 GW**					
TPH (C10-C28)		0.264	0.10	0.026	mg/l	SW846 8015B M
TPH (> C28-C40)		0.234	0.21	0.052	mg/l	SW846 8015B M
C39138-25	**RB-4 GW**					
Acetone [c]		6.0 J	20	4.0	ug/l	SW846 8260B
Xylene (total) [c]		0.86 J	2.0	0.46	ug/l	SW846 8260B

Summary of Hits

Job Number: C39138
Account: ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA
Collected: 03/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
TPH (C10-C28)		0.0798 J	0.10	0.025	mg/l	SW846 8015B M
TPH (> C28-C40)		0.0808 J	0.20	0.050	mg/l	SW846 8015B M

(a) Atypical pattern; value primarily due to a single peak(s).
(b) Atypical pattern; value primarily due to a single peak(s). Result reported as an estimated value from low-level run (exceeded calibration range). Compound was < RL in methanol extract run due to dilution required for Tetrachloroethene.
(c) Sample vial contained more than 0.5cm of sediment.
(d) Sample vial contained more than 0.5cm of sediment. Atypical pattern; value primarily due to a single peak(s).
(e) No gasoline pattern present.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RB-1 5.0'		
Lab Sample ID:	C39138-5	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	81.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L40210.D	1	03/30/15	XB	n/a	n/a	VL1212
Run #2	L40217.D	1	03/30/15	XB	n/a	n/a	VL1212

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.84 g		
Run #2	6.50 g	5.0 ml	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	42	10	ug/kg	
71-43-2	Benzene	ND	5.2	0.52	ug/kg	
108-86-1	Bromobenzene	ND	5.2	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.52	ug/kg	
75-25-2	Bromoform	ND	5.2	0.52	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.52	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.52	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.0	ug/kg	
67-66-3	Chloroform	ND	5.2	0.52	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	0.52	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.52	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.52	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	0.52	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	0.52	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.52	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	0.52	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.2	0.52	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	0.52	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	0.52	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	0.52	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	0.52	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-1 5.0'
Lab Sample ID: C39138-5
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 81.8

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	0.52	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.2	0.52	ug/kg	
591-78-6	2-Hexanone	ND	21	2.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	21	2.1	ug/kg	
74-83-9	Methyl bromide	ND	5.2	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.2	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.2	0.52	ug/kg	
75-09-2	Methylene chloride	ND	21	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	21	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.2	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.52	ug/kg	
100-42-5	Styrene	ND	5.2	0.52	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.2	0.52	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	42	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.52	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	0.52	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.52	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	559 [a]	290	35	ug/kg	
108-88-3	Toluene	ND	5.2	0.52	ug/kg	
79-01-6	Trichloroethylene	4.8	5.2	0.52	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	5.2	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10) [b]	503	100	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	75%	79%	70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 5.0'		
Lab Sample ID:	C39138-5	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	81.8
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	90%	102%	70-130%
460-00-4	4-Bromofluorobenzene	75%	81%	70-130%

(a) Result is from Run# 2
(b) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 5.0'		
Lab Sample ID:	C39138-5	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	81.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321710.D	1	03/31/15	AG	03/30/15	OP11940	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.81	4.0	1.0	mg/kg	J
	TPH (> C28-C40)	15.1	8.0	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 5.0'		
Lab Sample ID:	C39138-5	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	81.8
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	18.2		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-1 10.0'		
Lab Sample ID:	C39138-6	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L40211.D	1	03/30/15	XB	n/a	n/a	VL1212
Run #2	L40218.D	1	03/30/15	XB	n/a	n/a	VL1212

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.14 g		
Run #2	6.60 g	5.0 ml	40.0 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	41	10	ug/kg	
71-43-2	Benzene	ND	5.1	0.51	ug/kg	
108-86-1	Bromobenzene	ND	5.1	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	0.51	ug/kg	
75-25-2	Bromoform	ND	5.1	0.51	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	0.51	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	0.51	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	0.51	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.1	1.0	ug/kg	
67-66-3	Chloroform	ND	5.1	0.51	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	0.51	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	0.51	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	0.51	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	0.51	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	0.51	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	0.51	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.1	0.51	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	0.51	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	46.1	5.1	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	0.51	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	0.51	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	0.51	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	0.51	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-1 10.0'
Lab Sample ID: C39138-6
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 79.7

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	1.7	5.1	0.51	ug/kg	J
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	0.51	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.1	0.51	ug/kg	
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	0.51	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.1	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.1	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.1	0.51	ug/kg	
75-09-2	Methylene chloride	ND	20	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.1	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	0.51	ug/kg	
100-42-5	Styrene	ND	5.1	0.51	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.1	0.51	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	41	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	0.51	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	0.51	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	0.51	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	0.51	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	2640 [a]	750	90	ug/kg	
108-88-3	Toluene	ND	5.1	0.51	ug/kg	
79-01-6	Trichloroethylene	46.9	5.1	0.51	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	1.0	ug/kg	
75-01-4	Vinyl chloride	1.3	5.1	1.0	ug/kg	J
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10) [b]	2340	100	51	ug/kg	E

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	95%	70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 10.0'		
Lab Sample ID:	C39138-6	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.7
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	87%	99%	70-130%
460-00-4	4-Bromofluorobenzene	80%	95%	70-130%

(a) Result is from Run# 2

(b) Atypical pattern; value primarily due to a single peak(s). Result reported as an estimated value from low-level run (exceeded calibration range). Compound was < RL in methanol extract run due to dilution required for Tetrachloroethene.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 10.0'		
Lab Sample ID:	C39138-6	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	79.7
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321711.D	1	03/31/15	AG	03/30/15	OP11940	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.17	4.2	1.0	mg/kg	J
	TPH (> C28-C40)	6.91	8.3	2.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	86%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 10.0'		
Lab Sample ID:	C39138-6	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	79.7
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	20.3		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-1 15.0'		
Lab Sample ID:	C39138-7	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L40212.D	1	03/30/15	XB	n/a	n/a	VL1212
Run #2	L40219.D	1	03/30/15	XB	n/a	n/a	VL1212

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.05 g		
Run #2	6.47 g	5.0 ml	40.0 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	41	10	ug/kg	
71-43-2	Benzene	ND	5.2	0.52	ug/kg	
108-86-1	Bromobenzene	ND	5.2	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.52	ug/kg	
75-25-2	Bromoform	ND	5.2	0.52	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.52	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.52	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.0	ug/kg	
67-66-3	Chloroform	ND	5.2	0.52	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	0.52	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.52	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.52	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	0.52	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	0.52	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.52	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	0.52	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.2	0.52	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	0.52	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	45.1	5.2	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	0.52	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	0.52	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	0.52	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-1 15.0'
Lab Sample ID: C39138-7
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	5.1	5.2	0.52	ug/kg	J
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	0.52	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.2	0.52	ug/kg	
591-78-6	2-Hexanone	ND	21	2.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	21	2.1	ug/kg	
74-83-9	Methyl bromide	ND	5.2	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.2	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.2	0.52	ug/kg	
75-09-2	Methylene chloride	ND	21	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	21	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.2	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.52	ug/kg	
100-42-5	Styrene	ND	5.2	0.52	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.2	0.52	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	41	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.52	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	0.52	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.52	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	3270 [a]	760	91	ug/kg	
108-88-3	Toluene	ND	5.2	0.52	ug/kg	
79-01-6	Trichloroethylene	42.4	5.2	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	1.0	ug/kg	
75-01-4	Vinyl chloride	7.2	5.2	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10) [b]	2690	100	52	ug/kg	E

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	72%	72%	70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 15.0'		
Lab Sample ID:	C39138-7	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.2
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	91%	89%	70-130%
460-00-4	4-Bromofluorobenzene	81%	81%	70-130%

(a) Result is from Run# 2

(b) Atypical pattern; value primarily due to a single peak(s). Result reported as an estimated value from low-level run (exceeded calibration range). Compound was < RL in methanol extract run due to dilution required for Tetrachloroethene.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 15.0'		
Lab Sample ID:	C39138-7	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	80.2
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321712.D	1	03/31/15	AG	03/30/15	OP11940	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.58	4.1	1.0	mg/kg	J
	TPH (> C28-C40)	2.65	8.2	2.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 15.0'		
Lab Sample ID:	C39138-7	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	80.2
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	19.8		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-1 20.0'		
Lab Sample ID:	C39138-8	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	78.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52413.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.20 g	5.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2600	650	ug/kg	
71-43-2	Benzene	ND	330	33	ug/kg	
108-86-1	Bromobenzene	ND	330	33	ug/kg	
74-97-5	Bromochloromethane	ND	330	33	ug/kg	
75-27-4	Bromodichloromethane	ND	330	33	ug/kg	
75-25-2	Bromoform	ND	330	33	ug/kg	
104-51-8	n-Butylbenzene	ND	330	33	ug/kg	
135-98-8	sec-Butylbenzene	ND	330	33	ug/kg	
98-06-6	tert-Butylbenzene	ND	330	33	ug/kg	
108-90-7	Chlorobenzene	ND	330	33	ug/kg	
75-00-3	Chloroethane	ND	330	65	ug/kg	
67-66-3	Chloroform	ND	330	33	ug/kg	
95-49-8	o-Chlorotoluene	ND	330	33	ug/kg	
106-43-4	p-Chlorotoluene	ND	330	33	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	33	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	330	33	ug/kg	
563-58-6	1,1-Dichloropropene	ND	330	33	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	330	91	ug/kg	
106-93-4	1,2-Dibromoethane	ND	330	33	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	33	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	33	ug/kg	
142-28-9	1,3-Dichloropropane	ND	330	33	ug/kg	
108-20-3	Di-Isopropyl ether	ND	330	33	ug/kg	
594-20-7	2,2-Dichloropropane	ND	330	33	ug/kg	
124-48-1	Dibromochloromethane	ND	330	33	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	330	65	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	330	72	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	33	ug/kg	
541-73-1	m-Dichlorobenzene	ND	330	33	ug/kg	
95-50-1	o-Dichlorobenzene	ND	330	33	ug/kg	
106-46-7	p-Dichlorobenzene	ND	330	33	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-1 20.0'
Lab Sample ID: C39138-8
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 78.3

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	330	33	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	33	ug/kg	
100-41-4	Ethylbenzene	ND	330	33	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	330	33	ug/kg	
591-78-6	2-Hexanone	ND	1300	130	ug/kg	
87-68-3	Hexachlorobutadiene	ND	330	65	ug/kg	
98-82-8	Isopropylbenzene	ND	330	33	ug/kg	
99-87-6	p-Isopropyltoluene	ND	330	33	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1300	130	ug/kg	
74-83-9	Methyl bromide	ND	330	65	ug/kg	
74-87-3	Methyl chloride	ND	330	65	ug/kg	
74-95-3	Methylene bromide	ND	330	33	ug/kg	
75-09-2	Methylene chloride	ND	1300	330	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1300	130	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	65	ug/kg	
91-20-3	Naphthalene	ND	330	65	ug/kg	
103-65-1	n-Propylbenzene	ND	330	33	ug/kg	
100-42-5	Styrene	ND	330	33	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	330	33	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	2600	650	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	330	33	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	33	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	330	33	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	330	33	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	330	65	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	33	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	330	65	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	330	65	ug/kg	
127-18-4	Tetrachloroethylene	4050	330	39	ug/kg	
108-88-3	Toluene	ND	330	33	ug/kg	
79-01-6	Trichloroethylene	ND	330	33	ug/kg	
75-69-4	Trichlorofluoromethane	ND	330	65	ug/kg	
75-01-4	Vinyl chloride	ND	330	65	ug/kg	
1330-20-7	Xylene (total)	ND	650	65	ug/kg	
	TPH-GRO (C6-C10) [a]	7040	6500	3300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 20.0'		
Lab Sample ID:	C39138-8	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	78.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 20.0'		
Lab Sample ID:	C39138-8	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	78.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321713.D	1	03/31/15	AG	03/30/15	OP11940	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.26	4.2	1.1	mg/kg	J
	TPH (> C28-C40)	2.51	8.5	2.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	85%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 20.0'		
Lab Sample ID:	C39138-8	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	78.3
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	21.7		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-5 GW		
Lab Sample ID:	C39138-9	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V23910.D	10	04/02/15	EA	n/a	n/a	VV953
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	40	ug/l	
71-43-2	Benzene	ND	10	2.0	ug/l	
108-86-1	Bromobenzene	ND	10	2.0	ug/l	
74-97-5	Bromochloromethane	ND	10	2.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.0	ug/l	
75-25-2	Bromoform	ND	10	2.2	ug/l	
104-51-8	n-Butylbenzene	ND	20	2.0	ug/l	
135-98-8	sec-Butylbenzene	ND	20	2.0	ug/l	
98-06-6	tert-Butylbenzene	ND	20	2.8	ug/l	
108-90-7	Chlorobenzene	ND	10	2.0	ug/l	
75-00-3	Chloroethane	ND	10	2.0	ug/l	
67-66-3	Chloroform	ND	10	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	20	2.0	ug/l	
106-43-4	p-Chlorotoluene	ND	20	2.6	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	2.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	2.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	20	4.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	10	2.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	20	2.2	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	2.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	48.6	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	2.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-5 GW		
Lab Sample ID:	C39138-9	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	10	2.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	2.0	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	20	2.2	ug/l	
591-78-6	2-Hexanone	ND	100	20	ug/l	
87-68-3	Hexachlorobutadiene	ND	20	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	20	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	100	10	ug/l	
74-83-9	Methyl bromide	ND	20	2.0	ug/l	
74-87-3	Methyl chloride	ND	10	3.0	ug/l	
74-95-3	Methylene bromide	ND	10	2.0	ug/l	
75-09-2	Methylene chloride	ND	100	20	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.0	ug/l	
91-20-3	Naphthalene	ND	50	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	20	2.0	ug/l	
100-42-5	Styrene	ND	10	2.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	20	4.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	100	24	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.2	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	20	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	20	2.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	2.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	20	2.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	499	10	3.0	ug/l	
108-88-3	Toluene	ND	10	2.0	ug/l	
79-01-6	Trichloroethylene	35.1	10	2.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	4.6	10	2.0	ug/l	J
1330-20-7	Xylene (total)	ND	20	4.6	ug/l	
	TPH-GRO (C6-C10) [b]	924	500	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-5 GW		
Lab Sample ID:	C39138-9	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

(a) Sample vial contained more than 0.5cm of sediment.
(b) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-5 GW		
Lab Sample ID:	C39138-9	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321750.D	1	04/01/15	AG	03/30/15	OP11945	GHH1493
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.164	0.10	0.026	mg/l	
	TPH (> C28-C40)	0.110	0.21	0.052	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	88%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 GW		
Lab Sample ID:	C39138-10	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V23866.D	100	04/01/15	EA	n/a	n/a	VV951
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2000	400	ug/l	
71-43-2	Benzene	ND	100	20	ug/l	
108-86-1	Bromobenzene	ND	100	20	ug/l	
74-97-5	Bromochloromethane	ND	100	20	ug/l	
75-27-4	Bromodichloromethane	ND	100	20	ug/l	
75-25-2	Bromoform	ND	100	22	ug/l	
104-51-8	n-Butylbenzene	ND	200	20	ug/l	
135-98-8	sec-Butylbenzene	ND	200	20	ug/l	
98-06-6	tert-Butylbenzene	ND	200	28	ug/l	
108-90-7	Chlorobenzene	ND	100	20	ug/l	
75-00-3	Chloroethane	ND	100	20	ug/l	
67-66-3	Chloroform	ND	100	20	ug/l	
95-49-8	o-Chlorotoluene	ND	200	20	ug/l	
106-43-4	p-Chlorotoluene	ND	200	26	ug/l	
56-23-5	Carbon tetrachloride	ND	100	20	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	20	ug/l	
563-58-6	1,1-Dichloropropene	ND	100	20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	200	40	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	20	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	20	ug/l	
142-28-9	1,3-Dichloropropane	ND	100	20	ug/l	
108-20-3	Di-Isopropyl ether	ND	200	22	ug/l	
594-20-7	2,2-Dichloropropane	ND	100	20	ug/l	
124-48-1	Dibromochloromethane	ND	100	20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	163	100	20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	20	ug/l	
541-73-1	m-Dichlorobenzene	ND	100	20	ug/l	
95-50-1	o-Dichlorobenzene	ND	100	20	ug/l	
106-46-7	p-Dichlorobenzene	ND	100	20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 GW		
Lab Sample ID:	C39138-10	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	100	20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	30	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	22	ug/l	
591-78-6	2-Hexanone	ND	1000	200	ug/l	
87-68-3	Hexachlorobutadiene	ND	200	20	ug/l	
98-82-8	Isopropylbenzene	ND	100	20	ug/l	
99-87-6	p-Isopropyltoluene	ND	200	20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	1000	100	ug/l	
74-83-9	Methyl bromide	ND	200	20	ug/l	
74-87-3	Methyl chloride	ND	100	30	ug/l	
74-95-3	Methylene bromide	ND	100	20	ug/l	
75-09-2	Methylene chloride	ND	1000	200	ug/l	
78-93-3	Methyl ethyl ketone	ND	1000	200	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	500	50	ug/l	
103-65-1	n-Propylbenzene	ND	200	20	ug/l	
100-42-5	Styrene	ND	100	20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	200	40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	1000	240	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	200	20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	200	20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	200	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	4220	100	30	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	121	100	20	ug/l	
75-69-4	Trichlorofluoromethane	ND	100	20	ug/l	
75-01-4	Vinyl chloride	ND	100	20	ug/l	
1330-20-7	Xylene (total)	ND	200	46	ug/l	
	TPH-GRO (C6-C10) [b]	7200	5000	2500	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 GW		
Lab Sample ID:	C39138-10	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

(a) Sample vial contained more than 0.5cm of sediment.
(b) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-1 GW		
Lab Sample ID:	C39138-10	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321717.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.294	0.10	0.025	mg/l	
	TPH (> C28-C40)	0.273	0.20	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 5.0'		
Lab Sample ID:	C39138-11	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	81.6
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52398.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.13 g	5.0 ml	100 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2500	610	ug/kg	
71-43-2	Benzene	ND	310	31	ug/kg	
108-86-1	Bromobenzene	ND	310	31	ug/kg	
74-97-5	Bromochloromethane	ND	310	31	ug/kg	
75-27-4	Bromodichloromethane	ND	310	31	ug/kg	
75-25-2	Bromoform	ND	310	31	ug/kg	
104-51-8	n-Butylbenzene	ND	310	31	ug/kg	
135-98-8	sec-Butylbenzene	ND	310	31	ug/kg	
98-06-6	tert-Butylbenzene	ND	310	31	ug/kg	
108-90-7	Chlorobenzene	ND	310	31	ug/kg	
75-00-3	Chloroethane	ND	310	61	ug/kg	
67-66-3	Chloroform	ND	310	31	ug/kg	
95-49-8	o-Chlorotoluene	ND	310	31	ug/kg	
106-43-4	p-Chlorotoluene	ND	310	31	ug/kg	
56-23-5	Carbon tetrachloride	ND	310	31	ug/kg	
75-34-3	1,1-Dichloroethane	ND	310	31	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	310	31	ug/kg	
563-58-6	1,1-Dichloropropene	ND	310	31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	310	86	ug/kg	
106-93-4	1,2-Dibromoethane	ND	310	31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	310	31	ug/kg	
142-28-9	1,3-Dichloropropane	ND	310	31	ug/kg	
108-20-3	Di-Isopropyl ether	ND	310	31	ug/kg	
594-20-7	2,2-Dichloropropane	ND	310	31	ug/kg	
124-48-1	Dibromochloromethane	ND	310	31	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	310	61	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	310	67	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	310	31	ug/kg	
541-73-1	m-Dichlorobenzene	ND	310	31	ug/kg	
95-50-1	o-Dichlorobenzene	ND	310	31	ug/kg	
106-46-7	p-Dichlorobenzene	ND	310	31	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 5.0'		
Lab Sample ID:	C39138-11	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	81.6
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	310	31	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	310	31	ug/kg	
100-41-4	Ethylbenzene	ND	310	31	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	310	31	ug/kg	
591-78-6	2-Hexanone	ND	1200	120	ug/kg	
87-68-3	Hexachlorobutadiene	ND	310	61	ug/kg	
98-82-8	Isopropylbenzene	ND	310	31	ug/kg	
99-87-6	p-Isopropyltoluene	ND	310	31	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	1200	120	ug/kg	
74-83-9	Methyl bromide	ND	310	61	ug/kg	
74-87-3	Methyl chloride	ND	310	61	ug/kg	
74-95-3	Methylene bromide	ND	310	31	ug/kg	
75-09-2	Methylene chloride	ND	1200	310	ug/kg	
78-93-3	Methyl ethyl ketone	ND	1200	120	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	61	ug/kg	
91-20-3	Naphthalene	ND	310	61	ug/kg	
103-65-1	n-Propylbenzene	ND	310	31	ug/kg	
100-42-5	Styrene	ND	310	31	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	310	31	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	2500	610	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	310	31	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	310	31	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	310	31	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	310	31	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	310	31	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	310	61	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	310	31	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	310	61	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	310	61	ug/kg	
127-18-4	Tetrachloroethylene	1140	310	37	ug/kg	
108-88-3	Toluene	ND	310	31	ug/kg	
79-01-6	Trichloroethylene	ND	310	31	ug/kg	
75-69-4	Trichlorofluoromethane	ND	310	61	ug/kg	
75-01-4	Vinyl chloride	ND	310	61	ug/kg	
1330-20-7	Xylene (total)	ND	610	61	ug/kg	
	TPH-GRO (C6-C10) [a]	4150	6100	3100	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 5.0'		
Lab Sample ID:	C39138-11	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	81.6
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	103%		70-130%
460-00-4	4-Bromofluorobenzene	105%		70-130%

(a) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 5.0'		
Lab Sample ID:	C39138-11	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	81.6
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321714.D	1	03/31/15	AG	03/30/15	OP11940	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	4.0	1.0	mg/kg	
	TPH (> C28-C40)	ND	8.0	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 5.0'		
Lab Sample ID:	C39138-11	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	81.6
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	18.4		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-3 10.0'		
Lab Sample ID:	C39138-12	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	85.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52451.D	1	04/02/15	XB	n/a	n/a	VM1586
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.30 g	5.0 ml	25.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8800	2200	ug/kg	
71-43-2	Benzene	ND	1100	110	ug/kg	
108-86-1	Bromobenzene	ND	1100	110	ug/kg	
74-97-5	Bromochloromethane	ND	1100	110	ug/kg	
75-27-4	Bromodichloromethane	ND	1100	110	ug/kg	
75-25-2	Bromoform	ND	1100	110	ug/kg	
104-51-8	n-Butylbenzene	ND	1100	110	ug/kg	
135-98-8	sec-Butylbenzene	ND	1100	110	ug/kg	
98-06-6	tert-Butylbenzene	ND	1100	110	ug/kg	
108-90-7	Chlorobenzene	ND	1100	110	ug/kg	
75-00-3	Chloroethane	ND	1100	220	ug/kg	
67-66-3	Chloroform	ND	1100	110	ug/kg	
95-49-8	o-Chlorotoluene	ND	1100	110	ug/kg	
106-43-4	p-Chlorotoluene	ND	1100	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1100	110	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1100	110	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1100	110	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1100	110	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1100	310	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1100	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1100	110	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1100	110	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1100	110	ug/kg	
108-20-3	Di-Isopropyl ether	ND	1100	110	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1100	110	ug/kg	
124-48-1	Dibromochloromethane	ND	1100	110	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1100	220	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	243	1100	240	ug/kg	J
10061-01-5	cis-1,3-Dichloropropene	ND	1100	110	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1100	110	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1100	110	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1100	110	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 10.0'		
Lab Sample ID:	C39138-12	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	85.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1100	110	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1100	110	ug/kg	
100-41-4	Ethylbenzene	ND	1100	110	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	1100	110	ug/kg	
591-78-6	2-Hexanone	ND	4400	440	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1100	220	ug/kg	
98-82-8	Isopropylbenzene	ND	1100	110	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1100	110	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	4400	440	ug/kg	
74-83-9	Methyl bromide	ND	1100	220	ug/kg	
74-87-3	Methyl chloride	ND	1100	220	ug/kg	
74-95-3	Methylene bromide	ND	1100	110	ug/kg	
75-09-2	Methylene chloride	ND	4400	1100	ug/kg	
78-93-3	Methyl ethyl ketone	ND	4400	440	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1100	220	ug/kg	
91-20-3	Naphthalene	ND	1100	220	ug/kg	
103-65-1	n-Propylbenzene	ND	1100	110	ug/kg	
100-42-5	Styrene	ND	1100	110	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	1100	110	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	8800	2200	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1100	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1100	110	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1100	110	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1100	110	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1100	110	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1100	220	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1100	110	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1100	220	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1100	220	ug/kg	
127-18-4	Tetrachloroethylene	9640	1100	130	ug/kg	
108-88-3	Toluene	ND	1100	110	ug/kg	
79-01-6	Trichloroethylene	116	1100	110	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	1100	220	ug/kg	
75-01-4	Vinyl chloride	ND	1100	220	ug/kg	
1330-20-7	Xylene (total)	ND	2200	220	ug/kg	
	TPH-GRO (C6-C10) [a]	16900	22000	11000	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 10.0'		
Lab Sample ID:	C39138-12	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	85.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

(a) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 10.0'		
Lab Sample ID:	C39138-12	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	85.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321729.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.14	3.9	0.98	mg/kg	J
	TPH (> C28-C40)	ND	7.8	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	85%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 10.0'		
Lab Sample ID:	C39138-12	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	85.3
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	14.7		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-3 15.0'		
Lab Sample ID:	C39138-13	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52452.D	1	04/02/15	XB	n/a	n/a	VM1586
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.48 g	5.0 ml	30.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9300	2300	ug/kg	
71-43-2	Benzene	ND	1200	120	ug/kg	
108-86-1	Bromobenzene	ND	1200	120	ug/kg	
74-97-5	Bromochloromethane	ND	1200	120	ug/kg	
75-27-4	Bromodichloromethane	ND	1200	120	ug/kg	
75-25-2	Bromoform	ND	1200	120	ug/kg	
104-51-8	n-Butylbenzene	ND	1200	120	ug/kg	
135-98-8	sec-Butylbenzene	ND	1200	120	ug/kg	
98-06-6	tert-Butylbenzene	ND	1200	120	ug/kg	
108-90-7	Chlorobenzene	ND	1200	120	ug/kg	
75-00-3	Chloroethane	ND	1200	230	ug/kg	
67-66-3	Chloroform	ND	1200	120	ug/kg	
95-49-8	o-Chlorotoluene	ND	1200	120	ug/kg	
106-43-4	p-Chlorotoluene	ND	1200	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	1200	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1200	120	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	1200	120	ug/kg	
563-58-6	1,1-Dichloropropene	ND	1200	120	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1200	330	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1200	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1200	120	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1200	120	ug/kg	
142-28-9	1,3-Dichloropropane	ND	1200	120	ug/kg	
108-20-3	Di-Isopropyl ether	ND	1200	120	ug/kg	
594-20-7	2,2-Dichloropropane	ND	1200	120	ug/kg	
124-48-1	Dibromochloromethane	ND	1200	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	1200	230	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	325	1200	260	ug/kg	J
10061-01-5	cis-1,3-Dichloropropene	ND	1200	120	ug/kg	
541-73-1	m-Dichlorobenzene	ND	1200	120	ug/kg	
95-50-1	o-Dichlorobenzene	ND	1200	120	ug/kg	
106-46-7	p-Dichlorobenzene	ND	1200	120	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 15.0'		
Lab Sample ID:	C39138-13	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1200	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1200	120	ug/kg	
100-41-4	Ethylbenzene	ND	1200	120	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	1200	120	ug/kg	
591-78-6	2-Hexanone	ND	4700	470	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	230	ug/kg	
98-82-8	Isopropylbenzene	ND	1200	120	ug/kg	
99-87-6	p-Isopropyltoluene	ND	1200	120	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	4700	470	ug/kg	
74-83-9	Methyl bromide	ND	1200	230	ug/kg	
74-87-3	Methyl chloride	ND	1200	230	ug/kg	
74-95-3	Methylene bromide	ND	1200	120	ug/kg	
75-09-2	Methylene chloride	ND	4700	1200	ug/kg	
78-93-3	Methyl ethyl ketone	ND	4700	470	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1200	230	ug/kg	
91-20-3	Naphthalene	ND	1200	230	ug/kg	
103-65-1	n-Propylbenzene	ND	1200	120	ug/kg	
100-42-5	Styrene	ND	1200	120	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	1200	120	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	9300	2300	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1200	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1200	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200	120	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1200	120	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	1200	120	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	1200	230	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1200	120	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	1200	230	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	1200	230	ug/kg	
127-18-4	Tetrachloroethylene	11800	1200	140	ug/kg	
108-88-3	Toluene	ND	1200	120	ug/kg	
79-01-6	Trichloroethylene	213	1200	120	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	1200	230	ug/kg	
75-01-4	Vinyl chloride	ND	1200	230	ug/kg	
1330-20-7	Xylene (total)	ND	2300	230	ug/kg	
	TPH-GRO (C6-C10) [a]	22300	23000	12000	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 15.0'		
Lab Sample ID:	C39138-13	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

(a) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 15.0'		
Lab Sample ID:	C39138-13	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321730.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.28	4.2	1.0	mg/kg	J
	TPH (> C28-C40)	ND	8.4	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 15.0'		
Lab Sample ID:	C39138-13	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	79.8
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	20.2		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-3 20.0'		
Lab Sample ID:	C39138-14	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	78.1
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52453.D	1	04/02/15	XB	n/a	n/a	VM1586
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.84 g	5.0 ml	60.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4600	1100	ug/kg	
71-43-2	Benzene	ND	570	57	ug/kg	
108-86-1	Bromobenzene	ND	570	57	ug/kg	
74-97-5	Bromochloromethane	ND	570	57	ug/kg	
75-27-4	Bromodichloromethane	ND	570	57	ug/kg	
75-25-2	Bromoform	ND	570	57	ug/kg	
104-51-8	n-Butylbenzene	ND	570	57	ug/kg	
135-98-8	sec-Butylbenzene	ND	570	57	ug/kg	
98-06-6	tert-Butylbenzene	ND	570	57	ug/kg	
108-90-7	Chlorobenzene	ND	570	57	ug/kg	
75-00-3	Chloroethane	ND	570	110	ug/kg	
67-66-3	Chloroform	ND	570	57	ug/kg	
95-49-8	o-Chlorotoluene	ND	570	57	ug/kg	
106-43-4	p-Chlorotoluene	ND	570	57	ug/kg	
56-23-5	Carbon tetrachloride	ND	570	57	ug/kg	
75-34-3	1,1-Dichloroethane	ND	570	57	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	570	57	ug/kg	
563-58-6	1,1-Dichloropropene	ND	570	57	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	570	160	ug/kg	
106-93-4	1,2-Dibromoethane	ND	570	57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	570	57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	570	57	ug/kg	
142-28-9	1,3-Dichloropropane	ND	570	57	ug/kg	
108-20-3	Di-Isopropyl ether	ND	570	57	ug/kg	
594-20-7	2,2-Dichloropropane	ND	570	57	ug/kg	
124-48-1	Dibromochloromethane	ND	570	57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	570	110	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	570	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	570	57	ug/kg	
541-73-1	m-Dichlorobenzene	ND	570	57	ug/kg	
95-50-1	o-Dichlorobenzene	ND	570	57	ug/kg	
106-46-7	p-Dichlorobenzene	ND	570	57	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 20.0'		
Lab Sample ID:	C39138-14	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	78.1
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	570	57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	570	57	ug/kg	
100-41-4	Ethylbenzene	ND	570	57	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	570	57	ug/kg	
591-78-6	2-Hexanone	ND	2300	230	ug/kg	
87-68-3	Hexachlorobutadiene	ND	570	110	ug/kg	
98-82-8	Isopropylbenzene	ND	570	57	ug/kg	
99-87-6	p-Isopropyltoluene	ND	570	57	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	2300	230	ug/kg	
74-83-9	Methyl bromide	ND	570	110	ug/kg	
74-87-3	Methyl chloride	ND	570	110	ug/kg	
74-95-3	Methylene bromide	ND	570	57	ug/kg	
75-09-2	Methylene chloride	ND	2300	570	ug/kg	
78-93-3	Methyl ethyl ketone	ND	2300	230	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	570	110	ug/kg	
91-20-3	Naphthalene	ND	570	110	ug/kg	
103-65-1	n-Propylbenzene	ND	570	57	ug/kg	
100-42-5	Styrene	ND	570	57	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	570	57	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	4600	1100	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	570	57	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	570	57	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	570	57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	570	57	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	570	57	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	570	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	570	57	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	570	110	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	570	110	ug/kg	
127-18-4	Tetrachloroethylene	6300	570	69	ug/kg	
108-88-3	Toluene	ND	570	57	ug/kg	
79-01-6	Trichloroethylene	69.9	570	57	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	570	110	ug/kg	
75-01-4	Vinyl chloride	ND	570	110	ug/kg	
1330-20-7	Xylene (total)	ND	1100	110	ug/kg	
	TPH-GRO (C6-C10) [a]	12800	11000	5700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 20.0'		
Lab Sample ID:	C39138-14	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	78.1
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

(a) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 20.0'		
Lab Sample ID:	C39138-14	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	78.1
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321731.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	4.2	1.1	mg/kg	
	TPH (> C28-C40)	ND	8.5	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 20.0'		
Lab Sample ID:	C39138-14	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	78.1
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	21.9		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-2 5.0'		
Lab Sample ID:	C39138-15	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52397.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.23 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	45	11	ug/kg	
71-43-2	Benzene	ND	5.7	0.57	ug/kg	
108-86-1	Bromobenzene	ND	5.7	0.57	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.57	ug/kg	
75-25-2	Bromoform	ND	5.7	0.57	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	0.57	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	0.57	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.57	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.1	ug/kg	
67-66-3	Chloroform	ND	5.7	0.57	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	0.57	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.57	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.57	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.7	0.57	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	0.57	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.7	0.57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.7	0.57	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.57	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	0.57	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.7	0.57	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.7	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.7	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.57	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.7	0.57	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.7	0.57	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.7	0.57	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 5.0'		
Lab Sample ID:	C39138-15	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.7	0.57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	5.7	0.57	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.7	0.57	ug/kg	
591-78-6	2-Hexanone	ND	23	2.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.57	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	0.57	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	2.3	ug/kg	
74-83-9	Methyl bromide	ND	5.7	1.1	ug/kg	
74-87-3	Methyl chloride	ND	5.7	1.1	ug/kg	
74-95-3	Methylene bromide	ND	5.7	0.57	ug/kg	
75-09-2	Methylene chloride	ND	23	5.7	ug/kg	
78-93-3	Methyl ethyl ketone	ND	23	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.7	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.7	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	0.57	ug/kg	
100-42-5	Styrene	ND	5.7	0.57	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.7	0.57	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	45	11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	0.57	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.57	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.57	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	0.57	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	1.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.57	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.7	0.68	ug/kg	
108-88-3	Toluene	ND	5.7	0.57	ug/kg	
79-01-6	Trichloroethylene	ND	5.7	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.1	ug/kg	
1330-20-7	Xylene (total)	ND	11	1.1	ug/kg	
	TPH-GRO (C6-C10)	ND	110	57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 5.0'		
Lab Sample ID:	C39138-15	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	84.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	106%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 5.0'		
Lab Sample ID:	C39138-15	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	84.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321732.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.9	0.99	mg/kg	
	TPH (> C28-C40)	ND	7.9	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 5.0'		
Lab Sample ID:	C39138-15	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	84.3
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	15.7		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID: RB-2 10.0'
Lab Sample ID: C39138-16
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 79.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52403.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.96 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	42	10	ug/kg	
71-43-2	Benzene	ND	5.2	0.52	ug/kg	
108-86-1	Bromobenzene	ND	5.2	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.52	ug/kg	
75-25-2	Bromoform	ND	5.2	0.52	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.52	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.52	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.52	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.52	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.0	ug/kg	
67-66-3	Chloroform	ND	5.2	0.52	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	0.52	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.52	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.52	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.2	0.52	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	0.52	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.2	1.5	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.2	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.2	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.52	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	0.52	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.2	0.52	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.2	0.52	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.2	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.2	0.52	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.2	0.52	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.2	0.52	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 10.0'		
Lab Sample ID:	C39138-16	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.9
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.2	0.52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	5.2	0.52	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.2	0.52	ug/kg	
591-78-6	2-Hexanone	ND	21	2.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	21	2.1	ug/kg	
74-83-9	Methyl bromide	ND	5.2	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.2	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.2	0.52	ug/kg	
75-09-2	Methylene chloride	ND	21	5.2	ug/kg	
78-93-3	Methyl ethyl ketone	ND	21	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.2	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.2	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.52	ug/kg	
100-42-5	Styrene	ND	5.2	0.52	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.2	0.52	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	42	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.52	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.52	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	0.52	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.52	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.2	0.63	ug/kg	
108-88-3	Toluene	ND	5.2	0.52	ug/kg	
79-01-6	Trichloroethylene	ND	5.2	0.52	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 10.0'		
Lab Sample ID:	C39138-16	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.9
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 10.0'		
Lab Sample ID:	C39138-16	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	79.9
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321733.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	4.2	1.0	mg/kg	
	TPH (> C28-C40)	ND	8.3	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 10.0'		
Lab Sample ID:	C39138-16	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	79.9
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	20.1		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-2 15.0'		
Lab Sample ID:	C39138-17	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52404.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.19 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	48	12	ug/kg	
71-43-2	Benzene	ND	6.0	0.60	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.60	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.60	ug/kg	
75-25-2	Bromoform	ND	6.0	0.60	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.60	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.60	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.60	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.60	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.60	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.60	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.60	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	6.0	0.60	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.0	1.7	ug/kg	
106-93-4	1,2-Dibromoethane	ND	6.0	0.60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.0	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.60	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.60	ug/kg	
108-20-3	Di-Isopropyl ether	ND	6.0	0.60	ug/kg	
594-20-7	2,2-Dichloropropane	ND	6.0	0.60	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.60	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	6.0	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.60	ug/kg	
541-73-1	m-Dichlorobenzene	ND	6.0	0.60	ug/kg	
95-50-1	o-Dichlorobenzene	ND	6.0	0.60	ug/kg	
106-46-7	p-Dichlorobenzene	ND	6.0	0.60	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-2 15.0'
Lab Sample ID: C39138-17
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 79.8

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	6.0	0.60	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.60	ug/kg	
100-41-4	Ethylbenzene	ND	6.0	0.60	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	6.0	0.60	ug/kg	
591-78-6	2-Hexanone	ND	24	2.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.60	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	0.60	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	24	2.4	ug/kg	
74-83-9	Methyl bromide	ND	6.0	1.2	ug/kg	
74-87-3	Methyl chloride	ND	6.0	1.2	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.60	ug/kg	
75-09-2	Methylene chloride	ND	24	6.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	24	2.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.0	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.0	1.2	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.60	ug/kg	
100-42-5	Styrene	ND	6.0	0.60	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	6.0	0.60	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	48	12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.60	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.60	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	0.60	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.60	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	6.0	0.72	ug/kg	
108-88-3	Toluene	ND	6.0	0.60	ug/kg	
79-01-6	Trichloroethylene	ND	6.0	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	1.2	ug/kg	
1330-20-7	Xylene (total)	ND	12	1.2	ug/kg	
	TPH-GRO (C6-C10)	ND	120	60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 15.0'		
Lab Sample ID:	C39138-17	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 15.0'		
Lab Sample ID:	C39138-17	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	79.8
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321734.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.27	4.1	1.0	mg/kg	J
	TPH (> C28-C40)	ND	8.3	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	81%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-2 15.0'		
Lab Sample ID:	C39138-17	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	79.8
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	20.2		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID: RB-2 20.0'
Lab Sample ID: C39138-18
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52405.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.58 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44	11	ug/kg	
71-43-2	Benzene	ND	5.6	0.56	ug/kg	
108-86-1	Bromobenzene	ND	5.6	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	5.6	0.56	ug/kg	
75-25-2	Bromoform	ND	5.6	0.56	ug/kg	
104-51-8	n-Butylbenzene	ND	5.6	0.56	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.6	0.56	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.6	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.6	0.56	ug/kg	
75-00-3	Chloroethane	ND	5.6	1.1	ug/kg	
67-66-3	Chloroform	ND	5.6	0.56	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.6	0.56	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.6	0.56	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.6	0.56	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.6	0.56	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.6	0.56	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.6	0.56	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.6	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.6	0.56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.6	0.56	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.6	0.56	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.6	0.56	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.6	0.56	ug/kg	
124-48-1	Dibromochloromethane	ND	5.6	0.56	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.6	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.6	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	0.56	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.6	0.56	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.6	0.56	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.6	0.56	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 20.0'		
Lab Sample ID:	C39138-18	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.6
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.6	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	5.6	0.56	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.6	0.56	ug/kg	
591-78-6	2-Hexanone	ND	22	2.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.6	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.6	0.56	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.6	0.56	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	22	2.2	ug/kg	
74-83-9	Methyl bromide	ND	5.6	1.1	ug/kg	
74-87-3	Methyl chloride	ND	5.6	1.1	ug/kg	
74-95-3	Methylene bromide	ND	5.6	0.56	ug/kg	
75-09-2	Methylene chloride	ND	22	5.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	22	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.6	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	5.6	0.56	ug/kg	
100-42-5	Styrene	ND	5.6	0.56	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.6	0.56	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	44	11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	0.56	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.6	0.56	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	0.56	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.6	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	0.56	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.6	1.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	0.56	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.6	0.67	ug/kg	
108-88-3	Toluene	ND	5.6	0.56	ug/kg	
79-01-6	Trichloroethylene	ND	5.6	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.6	1.1	ug/kg	
1330-20-7	Xylene (total)	ND	11	1.1	ug/kg	
	TPH-GRO (C6-C10)	ND	110	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 20.0'		
Lab Sample ID:	C39138-18	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.6
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-2 20.0'		
Lab Sample ID:	C39138-18	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	80.6
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321735.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.05	4.1	1.0	mg/kg	J
	TPH (> C28-C40)	ND	8.2	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RB-2 20.0'		
Lab Sample ID:	C39138-18	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	80.6
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	19.4		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-4 5.0'		
Lab Sample ID:	C39138-19	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52406.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.57 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44	11	ug/kg	
71-43-2	Benzene	ND	5.5	0.55	ug/kg	
108-86-1	Bromobenzene	ND	5.5	0.55	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.55	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.55	ug/kg	
75-25-2	Bromoform	ND	5.5	0.55	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	0.55	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	0.55	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.55	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.1	ug/kg	
67-66-3	Chloroform	ND	5.5	0.55	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	0.55	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.55	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.55	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.5	0.55	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	0.55	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.5	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.5	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.5	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.55	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	0.55	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.5	0.55	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.5	0.55	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.5	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.55	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.5	0.55	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.5	0.55	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.5	0.55	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-4 5.0'
Lab Sample ID: C39138-19
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.9

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.5	0.55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.55	ug/kg	
100-41-4	Ethylbenzene	ND	5.5	0.55	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.5	0.55	ug/kg	
591-78-6	2-Hexanone	ND	22	2.2	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.5	1.1	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.55	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	0.55	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	22	2.2	ug/kg	
74-83-9	Methyl bromide	ND	5.5	1.1	ug/kg	
74-87-3	Methyl chloride	ND	5.5	1.1	ug/kg	
74-95-3	Methylene bromide	ND	5.5	0.55	ug/kg	
75-09-2	Methylene chloride	ND	22	5.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	22	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.5	1.1	ug/kg	
91-20-3	Naphthalene	ND	5.5	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	0.55	ug/kg	
100-42-5	Styrene	ND	5.5	0.55	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.5	0.55	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	44	11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	0.55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.55	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.55	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	0.55	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	1.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.55	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.5	0.67	ug/kg	
108-88-3	Toluene	ND	5.5	0.55	ug/kg	
79-01-6	Trichloroethylene	ND	5.5	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	1.1	ug/kg	
1330-20-7	Xylene (total)	ND	11	1.1	ug/kg	
	TPH-GRO (C6-C10)	ND	110	55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 5.0'		
Lab Sample ID:	C39138-19	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.9
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 5.0'		
Lab Sample ID:	C39138-19	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	80.9
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321736.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.86	4.1	1.0	mg/kg	J
	TPH (> C28-C40)	5.05	8.2	2.1	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 5.0'		
Lab Sample ID:	C39138-19	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	80.9
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	19.1		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-4 10.0'		
Lab Sample ID:	C39138-20	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	82.4
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52407.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	6.27 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	39	9.7	ug/kg	
71-43-2	Benzene	ND	4.8	0.48	ug/kg	
108-86-1	Bromobenzene	ND	4.8	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	4.8	0.48	ug/kg	
75-25-2	Bromoform	ND	4.8	0.48	ug/kg	
104-51-8	n-Butylbenzene	ND	4.8	0.48	ug/kg	
135-98-8	sec-Butylbenzene	ND	4.8	0.48	ug/kg	
98-06-6	tert-Butylbenzene	ND	4.8	0.48	ug/kg	
108-90-7	Chlorobenzene	ND	4.8	0.48	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.97	ug/kg	
67-66-3	Chloroform	ND	4.8	0.48	ug/kg	
95-49-8	o-Chlorotoluene	ND	4.8	0.48	ug/kg	
106-43-4	p-Chlorotoluene	ND	4.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	4.8	0.48	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4.8	0.48	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	4.8	0.48	ug/kg	
563-58-6	1,1-Dichloropropene	ND	4.8	0.48	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.8	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	4.8	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4.8	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4.8	0.48	ug/kg	
142-28-9	1,3-Dichloropropane	ND	4.8	0.48	ug/kg	
108-20-3	Di-Isopropyl ether	ND	4.8	0.48	ug/kg	
594-20-7	2,2-Dichloropropane	ND	4.8	0.48	ug/kg	
124-48-1	Dibromochloromethane	ND	4.8	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.8	0.97	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	4.8	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4.8	0.48	ug/kg	
541-73-1	m-Dichlorobenzene	ND	4.8	0.48	ug/kg	
95-50-1	o-Dichlorobenzene	ND	4.8	0.48	ug/kg	
106-46-7	p-Dichlorobenzene	ND	4.8	0.48	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 10.0'		
Lab Sample ID:	C39138-20	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	82.4
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	4.8	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4.8	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	4.8	0.48	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	4.8	0.48	ug/kg	
591-78-6	2-Hexanone	ND	19	1.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	4.8	0.97	ug/kg	
98-82-8	Isopropylbenzene	ND	4.8	0.48	ug/kg	
99-87-6	p-Isopropyltoluene	ND	4.8	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	19	1.9	ug/kg	
74-83-9	Methyl bromide	ND	4.8	0.97	ug/kg	
74-87-3	Methyl chloride	ND	4.8	0.97	ug/kg	
74-95-3	Methylene bromide	ND	4.8	0.48	ug/kg	
75-09-2	Methylene chloride	ND	19	4.8	ug/kg	
78-93-3	Methyl ethyl ketone	ND	19	1.9	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4.8	0.97	ug/kg	
91-20-3	Naphthalene	ND	4.8	0.97	ug/kg	
103-65-1	n-Propylbenzene	ND	4.8	0.48	ug/kg	
100-42-5	Styrene	ND	4.8	0.48	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	4.8	0.48	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	39	9.7	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.8	0.48	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4.8	0.48	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.8	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	4.8	0.48	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.8	0.48	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	4.8	0.97	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.48	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	4.8	0.97	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	4.8	0.97	ug/kg	
127-18-4	Tetrachloroethylene	ND	4.8	0.58	ug/kg	
108-88-3	Toluene	ND	4.8	0.48	ug/kg	
79-01-6	Trichloroethylene	ND	4.8	0.48	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.8	0.97	ug/kg	
75-01-4	Vinyl chloride	ND	4.8	0.97	ug/kg	
1330-20-7	Xylene (total)	ND	9.7	0.97	ug/kg	
	TPH-GRO (C6-C10)	ND	97	48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 10.0'		
Lab Sample ID:	C39138-20	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	82.4
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 10.0'		
Lab Sample ID:	C39138-20	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	82.4
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321738.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	4.0	1.0	mg/kg	
	TPH (> C28-C40)	ND	8.0	2.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 10.0'		
Lab Sample ID:	C39138-20	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	82.4
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	17.6		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID: RB-4 15.0'
Lab Sample ID: C39138-21
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52408.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	5.30 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	47	12	ug/kg	
71-43-2	Benzene	ND	5.9	0.59	ug/kg	
108-86-1	Bromobenzene	ND	5.9	0.59	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	0.59	ug/kg	
75-25-2	Bromoform	ND	5.9	0.59	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	0.59	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	0.59	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.59	ug/kg	
75-00-3	Chloroethane	ND	5.9	1.2	ug/kg	
67-66-3	Chloroform	ND	5.9	0.59	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	0.59	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.59	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.59	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.9	0.59	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	0.59	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.9	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.9	0.59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.9	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.59	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	0.59	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.9	0.59	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.9	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	0.59	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.9	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.59	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.9	0.59	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.9	0.59	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.9	0.59	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RB-4 15.0'
Lab Sample ID: C39138-21
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.3

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.9	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.59	ug/kg	
100-41-4	Ethylbenzene	ND	5.9	0.59	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.9	0.59	ug/kg	
591-78-6	2-Hexanone	ND	23	2.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.59	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	0.59	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	23	2.3	ug/kg	
74-83-9	Methyl bromide	ND	5.9	1.2	ug/kg	
74-87-3	Methyl chloride	ND	5.9	1.2	ug/kg	
74-95-3	Methylene bromide	ND	5.9	0.59	ug/kg	
75-09-2	Methylene chloride	ND	23	5.9	ug/kg	
78-93-3	Methyl ethyl ketone	ND	23	2.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.9	1.2	ug/kg	
91-20-3	Naphthalene	ND	5.9	1.2	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	0.59	ug/kg	
100-42-5	Styrene	ND	5.9	0.59	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.9	0.59	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	47	12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	0.59	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.59	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.59	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.59	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	1.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.59	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	1.2	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	1.2	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.9	0.70	ug/kg	
108-88-3	Toluene	ND	5.9	0.59	ug/kg	
79-01-6	Trichloroethylene	ND	5.9	0.59	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	1.2	ug/kg	
1330-20-7	Xylene (total)	ND	12	1.2	ug/kg	
	TPH-GRO (C6-C10)	ND	120	59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 15.0'		
Lab Sample ID:	C39138-21	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.3
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 15.0'		
Lab Sample ID:	C39138-21	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	80.3
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321739.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.21	4.1	1.0	mg/kg	J
	TPH (> C28-C40)	ND	8.3	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 15.0'		
Lab Sample ID:	C39138-21	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	80.3
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	19.7		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID: RB-4 20.0'
Lab Sample ID: C39138-22
Matrix: SO - Soil
Method: SW846 8260B
Project: 2868 Hannah St. Oakland CA

Date Sampled: 03/27/15
Date Received: 03/27/15
Percent Solids: 80.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M52409.D	1	04/01/15	XB	n/a	n/a	VM1585
Run #2							

	Initial Weight
Run #1	6.07 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	41	10	ug/kg	
71-43-2	Benzene	ND	5.1	0.51	ug/kg	
108-86-1	Bromobenzene	ND	5.1	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	0.51	ug/kg	
75-25-2	Bromoform	ND	5.1	0.51	ug/kg	
104-51-8	n-Butylbenzene	ND	5.1	0.51	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.1	0.51	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.1	0.51	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.1	1.0	ug/kg	
67-66-3	Chloroform	ND	5.1	0.51	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.1	0.51	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.1	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.1	0.51	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.1	0.51	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.1	0.51	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.1	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.1	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.1	0.51	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.1	0.51	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.1	0.51	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.1	0.51	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.1	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	0.51	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.1	0.51	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.1	0.51	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.1	0.51	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 20.0'		
Lab Sample ID:	C39138-22	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.1
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	5.1	0.51	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.1	0.51	ug/kg	
591-78-6	2-Hexanone	ND	21	2.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.1	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.1	0.51	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.1	0.51	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	21	2.1	ug/kg	
74-83-9	Methyl bromide	ND	5.1	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.1	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.1	0.51	ug/kg	
75-09-2	Methylene chloride	ND	21	5.1	ug/kg	
78-93-3	Methyl ethyl ketone	ND	21	2.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.1	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.1	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.1	0.51	ug/kg	
100-42-5	Styrene	ND	5.1	0.51	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.1	0.51	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	41	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.1	0.51	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	0.51	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	0.51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	0.51	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.1	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	0.51	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.1	0.62	ug/kg	
108-88-3	Toluene	ND	5.1	0.51	ug/kg	
79-01-6	Trichloroethylene	ND	5.1	0.51	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10) [a]	52.1	100	51	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 20.0'		
Lab Sample ID:	C39138-22	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	80.1
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) No gasoline pattern present.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 20.0'		
Lab Sample ID:	C39138-22	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3550B	**Percent Solids:**	80.1
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321740.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	4.1	1.0	mg/kg	
	TPH (> C28-C40)	ND	8.3	2.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		37-122%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 20.0'		
Lab Sample ID:	C39138-22	**Date Sampled:**	03/27/15
Matrix:	SO - Soil	**Date Received:**	03/27/15
		Percent Solids:	80.1
Project:	2868 Hannah St. Oakland CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Moisture, Percent	19.9		%	1	03/30/15 13:30	TN	SM2540MOD G-97

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RB-3 GW		
Lab Sample ID:	C39138-23	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V23867.D	250	04/01/15	EA	n/a	n/a	VV951
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5000	1000	ug/l	
71-43-2	Benzene	ND	250	50	ug/l	
108-86-1	Bromobenzene	ND	250	50	ug/l	
74-97-5	Bromochloromethane	ND	250	50	ug/l	
75-27-4	Bromodichloromethane	ND	250	50	ug/l	
75-25-2	Bromoform	ND	250	55	ug/l	
104-51-8	n-Butylbenzene	ND	500	50	ug/l	
135-98-8	sec-Butylbenzene	ND	500	50	ug/l	
98-06-6	tert-Butylbenzene	ND	500	70	ug/l	
108-90-7	Chlorobenzene	ND	250	50	ug/l	
75-00-3	Chloroethane	ND	250	50	ug/l	
67-66-3	Chloroform	ND	250	50	ug/l	
95-49-8	o-Chlorotoluene	ND	500	50	ug/l	
106-43-4	p-Chlorotoluene	ND	500	65	ug/l	
56-23-5	Carbon tetrachloride	ND	250	50	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	50	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	500	100	ug/l	
106-93-4	1,2-Dibromoethane	ND	250	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	50	ug/l	
142-28-9	1,3-Dichloropropane	ND	250	50	ug/l	
108-20-3	Di-Isopropyl ether	ND	500	55	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	50	ug/l	
124-48-1	Dibromochloromethane	ND	250	50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	250	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	396	250	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	50	ug/l	
541-73-1	m-Dichlorobenzene	ND	250	50	ug/l	
95-50-1	o-Dichlorobenzene	ND	250	50	ug/l	
106-46-7	p-Dichlorobenzene	ND	250	50	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 GW		
Lab Sample ID:	C39138-23	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	250	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	75	ug/l	
100-41-4	Ethylbenzene	ND	250	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	500	55	ug/l	
591-78-6	2-Hexanone	ND	2500	500	ug/l	
87-68-3	Hexachlorobutadiene	ND	500	50	ug/l	
98-82-8	Isopropylbenzene	ND	250	50	ug/l	
99-87-6	p-Isopropyltoluene	ND	500	50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2500	250	ug/l	
74-83-9	Methyl bromide	ND	500	50	ug/l	
74-87-3	Methyl chloride	ND	250	75	ug/l	
74-95-3	Methylene bromide	ND	250	50	ug/l	
75-09-2	Methylene chloride	ND	2500	500	ug/l	
78-93-3	Methyl ethyl ketone	ND	2500	500	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	250	50	ug/l	
91-20-3	Naphthalene	ND	1300	130	ug/l	
103-65-1	n-Propylbenzene	ND	500	50	ug/l	
100-42-5	Styrene	ND	250	50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	500	100	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	2500	600	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	55	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	500	50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	500	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	500	50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	500	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	500	50	ug/l	
127-18-4	Tetrachloroethylene	11500	250	75	ug/l	
108-88-3	Toluene	ND	250	50	ug/l	
79-01-6	Trichloroethylene	252	250	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	250	50	ug/l	
75-01-4	Vinyl chloride	56.4	250	50	ug/l	J
1330-20-7	Xylene (total)	ND	500	120	ug/l	
	TPH-GRO (C6-C10) [b]	19500	13000	6300	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 GW		
Lab Sample ID:	C39138-23	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

(a) Sample vial contained more than 0.5cm of sediment.
(b) Atypical pattern; value primarily due to a single peak(s).

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-3 GW		
Lab Sample ID:	C39138-23	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321718.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.320	0.10	0.025	mg/l	
	TPH (> C28-C40)	0.187	0.20	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	82%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 GW		
Lab Sample ID:	C39138-24	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V23863.D	1	04/01/15	EA	n/a	n/a	VV951
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 GW		
Lab Sample ID:	C39138-24	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 GW		
Lab Sample ID:	C39138-24	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

(a) Sample vial contained more than 0.5cm of sediment.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-2 GW		
Lab Sample ID:	C39138-24	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321719.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.264	0.10	0.026	mg/l	
	TPH (> C28-C40)	0.234	0.21	0.052	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	83%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 GW		
Lab Sample ID:	C39138-25	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	V23864.D	1	04/01/15	EA	n/a	n/a	VV951
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.0	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 GW		
Lab Sample ID:	C39138-25	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	0.86	2.0	0.46	ug/l	J
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 GW		
Lab Sample ID:	C39138-25	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

(a) Sample vial contained more than 0.5cm of sediment.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RB-4 GW		
Lab Sample ID:	C39138-25	**Date Sampled:**	03/27/15
Matrix:	AQ - Ground Water	**Date Received:**	03/27/15
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	2868 Hannah St. Oakland CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH321720.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0798	0.10	0.025	mg/l	J
	TPH (> C28-C40)	0.0808	0.20	0.050	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	84%		32-124%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

C39138

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Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

~~CTL~~ LOGIN # _____

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

Project No:

Project Name: 2968 HANNAH ST

Project P. O. No:

EDD Format: Report Level ☐ II ☐ III ☐ IV

Turnaround Time: ☐ RUSH ☒ Standard

Sampler: N. RODRIGUEZ

Report To: D. GRUNAT

Company: ROUX ASSOCIATES

Telephone: (415) 7167-10000

Email: dgrunat@rouxinc.com

Lab No.	Sample ID.	SAMPLING		MATRIX		# of Containers	CHEMICAL PRESERVATIVE					ANALYTICAL REQUEST
		Date Collected	Time Collected	Water	Solid		HCl	H2SO4	HNO3	NaOH	None	
1	RB-5 5.0' (HOLD)	3/27/15	8:50		X	4						X VOCs (TPHg (8260))
2	RB-5 10.0' (HOLD)		9:00									X TPHd & TPHmo (8015)
3	RB-5 15.0' (HOLD)		9:05									
4	RB-5 20.0' (HOLD)		9:10									
5	RB-1 5.0'		10:05									
6	RB-1 10.0'		10:15									
7	RB-1 15.0'		10:20									
8	RB-1 20.0'		10:25		X	↓						
9	RB-5 GW		11:15	X		5						
10	RB-1 GW		11:30	X		5						
11	RB-3 5.0'		11:00			4						
12	RB-3 10.0'		11:05									
13	RB-3 15.0'	↓	11:07			↓						

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 3/27/15 TIME: 1500
DATE: 3/27/15 TIME: 1615
DATE: TIME:

RECEIVED BY:
DATE: 3/27/15 TIME: 1500
DATE: 3/27/15 TIME: 1715
DATE: TIME:

TEMP = 5.5/5.3

C39138: Chain of Custody
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C39138

CHAIN OF CUSTODY

Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

LOGIN # _____

2323 Fifth Street
Berkeley, CA 94710
Phone (510) 486-0900
Fax (510) 486-0532

Project No:
Project Name: 2868 Hannah St
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: N. Rodriguez
Report To: D. Grunat
Company: ROUX ASSOCIATES
Telephone: 415-967-6000
Email: dgrunat@rouxinc.com

ANALYTICAL REQUEST

Lab No.	Sample ID.	SAMPLING Date Collected	SAMPLING Time Collected	MATRIX Water	MATRIX Solid	# of Containers	CHEMICAL PRESERVATIVE HCl	H2SO4	HNO3	NaOH	None	VOCs (8260)	TPHg (8260)	TPHd/mo (8015)
14	RB-3 20.0	3/27/15	11:10		X	4						X	X	X
15	RB-2 5.0		12:46											
16	RB-2 10.0		12:45											
17	RB-2 15.0		12:50											
18	RB-2 20.0		12:55											
19	RB-4 5.0		1340											
20	RB-4 10.0		1345											
21	RB-4 15.0		1350											
22	RB-4 20.0		1355		X	↓						↓	↓	↓
23	RB-3 GW		1305	X		5								
24	RB-2 GW		1355	X										
25	RB-4 GW	↓	1430	X		↓						↓	↓	↓

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 3/27/15 TIME: 1500
DATE: 3/27/15 TIME: 1615
DATE: TIME:

RECEIVED BY:
DATE: 3/27/15 TIME: 1500
DATE: 3/27/15 TIME: 1700
DATE: TIME:

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C39138 **Client:** ROUX **Project:** 2868 HANNAH ST

Date / Time Received: 3/27/2015 5:00:00 PM **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (5.5/5.5); #2: (5.3/5.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR1;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C39138: Chain of Custody
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Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-MB	L40204.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-MB	L40204.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-MB	L40204.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	93%	70-130%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-MB	V23860.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-MB	V23860.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-MB	V23860.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-MB	M52396.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-MB	M52396.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-MB	M52396.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-MB	V23907.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-MB	V23907.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-MB	V23907.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-MB	M52446.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-MB	M52446.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	
	TPH-GRO (C6-C10)	ND	100	50	ug/kg	

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-MB	M52446.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-BS	L40201.D	1	03/30/15	XB	n/a	n/a	VL1212
VL1212-BSD	L40202.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	141	88	133	83	6	62-130/24
71-43-2	Benzene	40	41.9	105	39.3	98	6	81-119/20
108-86-1	Bromobenzene	40	42.6	107	39.0	98	9	79-120/22
74-97-5	Bromochloromethane	40	39.2	98	38.6	97	2	81-120/19
75-27-4	Bromodichloromethane	40	38.2	96	36.6	92	4	79-124/20
75-25-2	Bromoform	40	40.6	102	38.9	97	4	76-128/21
104-51-8	n-Butylbenzene	40	42.5	106	36.7	92	15	79-123/26
135-98-8	sec-Butylbenzene	40	43.1	108	38.1	95	12	77-122/24
98-06-6	tert-Butylbenzene	40	44.3	111	38.6	97	14	77-121/23
108-90-7	Chlorobenzene	40	42.1	105	39.3	98	7	82-121/20
75-00-3	Chloroethane	40	39.4	99	39.2	98	1	80-126/21
67-66-3	Chloroform	40	38.2	96	37.2	93	3	82-123/20
95-49-8	o-Chlorotoluene	40	41.0	103	36.4	91	12	78-125/25
106-43-4	p-Chlorotoluene	40	40.9	102	36.9	92	10	75-125/26
56-23-5	Carbon tetrachloride	40	45.3	113	41.4	104	9	82-127/22
75-34-3	1,1-Dichloroethane	40	36.2	91	35.3	88	3	80-123/20
75-35-4	1,1-Dichloroethylene	40	40.1	100	37.6	94	6	76-123/19
563-58-6	1,1-Dichloropropene	40	41.7	104	38.4	96	8	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	32.5	81	28.5	71	13	64-133/23
106-93-4	1,2-Dibromoethane	40	38.3	96	36.3	91	5	80-120/20
107-06-2	1,2-Dichloroethane	40	38.1	95	36.4	91	5	76-132/21
78-87-5	1,2-Dichloropropane	40	37.8	95	35.8	90	5	80-121/20
142-28-9	1,3-Dichloropropane	40	38.6	97	36.9	92	5	78-120/20
108-20-3	Di-Isopropyl ether	40	33.1	83	32.7	82	1	78-126/19
594-20-7	2,2-Dichloropropane	40	41.3	103	38.7	97	6	77-132/22
124-48-1	Dibromochloromethane	40	39.7	99	37.0	93	7	76-121/21
75-71-8	Dichlorodifluoromethane	40	40.1	100	38.1	95	5	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	38.7	97	38.4	96	1	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	38.9	97	37.0	93	5	81-124/21
541-73-1	m-Dichlorobenzene	40	42.5	106	39.0	98	9	79-123/23
95-50-1	o-Dichlorobenzene	40	41.0	103	38.9	97	5	79-124/22
106-46-7	p-Dichlorobenzene	40	42.5	106	39.8	100	7	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	39.2	98	37.3	93	5	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	37.0	93	34.6	87	7	81-123/22
100-41-4	Ethylbenzene	40	42.9	107	39.5	99	8	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	37.9	95	37.4	94	1	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-BS	L40201.D	1	03/30/15	XB	n/a	n/a	VL1212
VL1212-BSD	L40202.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	139	87	124	78	11	68-139/24
87-68-3	Hexachlorobutadiene	40	47.3	118	41.9	105	12	81-126/32
98-82-8	Isopropylbenzene	40	44.6	112	40.6	102	9	81-122/22
99-87-6	p-Isopropyltoluene	40	44.1	110	38.9	97	13	81-121/23
108-10-1	4-Methyl-2-pentanone	160	143	89	137	86	4	74-136/23
74-83-9	Methyl bromide	40	40.1	100	39.4	99	2	82-124/20
74-87-3	Methyl chloride	40	37.7	94	39.2	98	4	60-132/26
74-95-3	Methylene bromide	40	38.6	97	37.5	94	3	82-120/20
75-09-2	Methylene chloride	40	36.3	91	36.0	90	1	75-119/20
78-93-3	Methyl ethyl ketone	160	141	88	133	83	6	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	36.7	92	36.6	92	0	79-127/19
91-20-3	Naphthalene	40	34.8	87	32.0	80	8	78-125/23
103-65-1	n-Propylbenzene	40	41.0	103	36.3	91	12	79-124/22
100-42-5	Styrene	40	42.5	106	39.7	99	7	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	37.6	94	37.2	93	1	80-127/20
75-65-0	Tert Butyl Alcohol	200	169	85	167	84	1	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	42.9	107	40.2	101	6	82-123/21
71-55-6	1,1,1-Trichloroethane	40	41.6	104	39.2	98	6	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	34.4	86	32.0	80	7	77-126/20
79-00-5	1,1,2-Trichloroethane	40	37.5	94	35.2	88	6	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	41.2	103	38.1	95	8	81-122/26
96-18-4	1,2,3-Trichloropropane	40	39.8	100	38.3	96	4	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	42.6	107	39.7	99	7	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	41.7	104	37.1	93	12	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	44.0	110	38.6	97	13	81-123/23
127-18-4	Tetrachloroethylene	40	46.8	117	42.7	107	9	80-125/25
108-88-3	Toluene	40	43.2	108	39.5	99	9	80-117/21
79-01-6	Trichloroethylene	40	42.5	106	39.7	99	7	81-122/20
75-69-4	Trichlorofluoromethane	40	42.8	107	40.5	101	6	77-133/22
75-01-4	Vinyl chloride	40	36.5	91	38.7	97	6	71-133/23
1330-20-7	Xylene (total)	120	131	109	121	101	8	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	93%	96%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-BS	L40201.D	1	03/30/15	XB	n/a	n/a	VL1212
VL1212-BSD	L40202.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	97%	96%	70-130%
460-00-4	4-Bromofluorobenzene	95%	94%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-BS	V23857.D	1	04/01/15	EA	n/a	n/a	VV951
VV951-BSD	V23858.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	86.4	108	88.0	110	2	38-159/24
71-43-2	Benzene	20	18.1	91	18.8	94	4	77-122/25
108-86-1	Bromobenzene	20	20.1	101	20.1	101	0	76-126/17
74-97-5	Bromochloromethane	20	19.9	100	19.9	100	0	77-130/17
75-27-4	Bromodichloromethane	20	19.0	95	19.6	98	3	75-127/16
75-25-2	Bromoform	20	21.6	108	21.4	107	1	69-141/17
104-51-8	n-Butylbenzene	20	18.3	92	18.6	93	2	72-129/18
135-98-8	sec-Butylbenzene	20	18.2	91	18.7	94	3	74-128/18
98-06-6	tert-Butylbenzene	20	19.7	99	19.7	99	0	73-127/18
108-90-7	Chlorobenzene	20	19.2	96	19.3	97	1	77-122/16
75-00-3	Chloroethane	20	16.0	80	16.3	82	2	69-133/18
67-66-3	Chloroform	20	18.6	93	18.8	94	1	74-126/17
95-49-8	o-Chlorotoluene	20	19.2	96	19.5	98	2	72-127/20
106-43-4	p-Chlorotoluene	20	18.6	93	18.6	93	0	68-127/18
56-23-5	Carbon tetrachloride	20	18.2	91	18.6	93	2	71-133/19
75-34-3	1,1-Dichloroethane	20	17.3	87	17.8	89	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	15.8	79	16.3	82	3	66-125/20
563-58-6	1,1-Dichloropropene	20	16.8	84	17.5	88	4	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	19.6	98	20.0	100	2	65-131/20
106-93-4	1,2-Dibromoethane	20	20.8	104	20.5	103	1	75-135/17
107-06-2	1,2-Dichloroethane	20	19.4	97	19.8	99	2	71-131/17
78-87-5	1,2-Dichloropropane	20	18.6	93	19.2	96	3	78-124/16
142-28-9	1,3-Dichloropropane	20	20.8	104	20.1	101	3	78-123/16
108-20-3	Di-Isopropyl ether	20	18.8	94	19.1	96	2	68-129/17
594-20-7	2,2-Dichloropropane	20	17.1	86	17.2	86	1	70-131/19
124-48-1	Dibromochloromethane	20	20.5	103	20.5	103	0	76-132/16
75-71-8	Dichlorodifluoromethane	20	17.2	86	17.3	87	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.2	91	18.4	92	1	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	19.5	98	19.9	100	2	72-130/16
541-73-1	m-Dichlorobenzene	20	19.1	96	19.4	97	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.0	95	19.5	98	3	76-124/16
106-46-7	p-Dichlorobenzene	20	19.0	95	19.6	98	3	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	17.0	85	17.2	86	1	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	19.4	97	19.0	95	2	71-126/16
100-41-4	Ethylbenzene	20	18.7	94	18.9	95	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.4	102	20.9	105	2	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-BS	V23857.D	1	04/01/15	EA	n/a	n/a	VV951
VV951-BSD	V23858.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	89.5	112	87.1	109	3	67-150/22
87-68-3	Hexachlorobutadiene	20	18.4	92	19.0	95	3	69-135/20
98-82-8	Isopropylbenzene	20	18.2	91	18.3	92	1	61-125/17
99-87-6	p-Isopropyltoluene	20	18.5	93	18.9	95	2	68-127/18
108-10-1	4-Methyl-2-pentanone	80	86.1	108	87.2	109	1	71-142/21
74-83-9	Methyl bromide	20	18.1	91	18.4	92	2	68-132/18
74-87-3	Methyl chloride	20	17.7	89	18.1	91	2	39-150/28
74-95-3	Methylene bromide	20	20.2	101	20.8	104	3	77-127/16
75-09-2	Methylene chloride	20	17.1	86	17.5	88	2	67-128/18
78-93-3	Methyl ethyl ketone	80	87.5	109	88.1	110	1	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	19.9	100	20.5	103	3	73-132/17
91-20-3	Naphthalene	20	18.3	92	18.3	92	0	70-136/20
103-65-1	n-Propylbenzene	20	18.2	91	18.0	90	1	71-127/17
100-42-5	Styrene	20	19.9	100	20.1	101	1	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	20.5	103	20.3	102	1	73-133/17
75-65-0	Tert-Butyl Alcohol	100	102	102	101	101	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	20.1	101	20.4	102	1	77-130/16
71-55-6	1,1,1-Trichloroethane	20	17.5	88	17.9	90	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.2	101	20.1	101	0	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.1	101	19.8	99	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	19.4	97	19.5	98	1	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.2	96	18.9	95	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	19.2	96	19.4	97	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	18.8	94	19.1	96	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.4	97	19.3	97	1	77-129/17
127-18-4	Tetrachloroethylene	20	18.0	90	18.3	92	2	69-127/20
108-88-3	Toluene	20	18.6	93	18.6	93	0	75-122/17
79-01-6	Trichloroethylene	20	17.8	89	18.3	92	3	78-123/17
75-69-4	Trichlorofluoromethane	20	19.1	96	19.3	97	1	65-136/23
75-01-4	Vinyl chloride	20	19.4	97	19.9	100	3	57-146/22
1330-20-7	Xylene (total)	60	56.6	94	56.9	95	1	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-BS	V23857.D	1	04/01/15	EA	n/a	n/a	VV951
VV951-BSD	V23858.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	99%	97%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-BS	M52393.D	1	04/01/15	XB	n/a	n/a	VM1585
VM1585-BSD	M52394.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	150	94	177	111	17	62-130/24
71-43-2	Benzene	40	36.7	92	38.5	96	5	81-119/20
108-86-1	Bromobenzene	40	36.5	91	38.9	97	6	79-120/22
74-97-5	Bromochloromethane	40	36.8	92	37.5	94	2	81-120/19
75-27-4	Bromodichloromethane	40	36.3	91	38.6	97	6	79-124/20
75-25-2	Bromoform	40	35.5	89	38.6	97	8	76-128/21
104-51-8	n-Butylbenzene	40	38.2	96	39.2	98	3	79-123/26
135-98-8	sec-Butylbenzene	40	38.5	96	39.8	100	3	77-122/24
98-06-6	tert-Butylbenzene	40	39.3	98	40.3	101	3	77-121/23
108-90-7	Chlorobenzene	40	36.4	91	38.4	96	5	82-121/20
75-00-3	Chloroethane	40	38.2	96	38.3	96	0	80-126/21
67-66-3	Chloroform	40	36.8	92	37.0	93	1	82-123/20
95-49-8	o-Chlorotoluene	40	38.8	97	39.5	99	2	78-125/25
106-43-4	p-Chlorotoluene	40	36.0	90	39.5	99	9	75-125/26
56-23-5	Carbon tetrachloride	40	36.9	92	37.8	95	2	82-127/22
75-34-3	1,1-Dichloroethane	40	36.9	92	36.9	92	0	80-123/20
75-35-4	1,1-Dichloroethylene	40	38.4	96	38.1	95	1	76-123/19
563-58-6	1,1-Dichloropropene	40	37.5	94	38.4	96	2	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	40.5	101	42.8	107	6	64-133/23
106-93-4	1,2-Dibromoethane	40	36.1	90	39.4	99	9	80-120/20
107-06-2	1,2-Dichloroethane	40	36.2	91	37.9	95	5	76-132/21
78-87-5	1,2-Dichloropropane	40	36.2	91	38.4	96	6	80-121/20
142-28-9	1,3-Dichloropropane	40	36.1	90	39.5	99	9	78-120/20
108-20-3	Di-Isopropyl ether	40	36.4	91	37.0	93	2	78-126/19
594-20-7	2,2-Dichloropropane	40	37.5	94	38.3	96	2	77-132/22
124-48-1	Dibromochloromethane	40	36.8	92	39.2	98	6	76-121/21
75-71-8	Dichlorodifluoromethane	40	37.5	94	36.5	91	3	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	36.5	91	37.3	93	2	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	35.9	90	40.3	101	12	81-124/21
541-73-1	m-Dichlorobenzene	40	37.2	93	39.2	98	5	79-123/23
95-50-1	o-Dichlorobenzene	40	37.4	94	38.8	97	4	79-124/22
106-46-7	p-Dichlorobenzene	40	37.1	93	39.4	99	6	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	37.8	95	37.6	94	1	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	36.6	92	39.8	100	8	81-123/22
100-41-4	Ethylbenzene	40	37.3	93	38.3	96	3	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	36.5	91	37.4	94	2	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-BS	M52393.D	1	04/01/15	XB	n/a	n/a	VM1585
VM1585-BSD	M52394.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	145	91	168	105	15	68-139/24
87-68-3	Hexachlorobutadiene	40	45.1	113	44.3	111	2	81-126/32
98-82-8	Isopropylbenzene	40	38.1	95	38.3	96	1	81-122/22
99-87-6	p-Isopropyltoluene	40	38.1	95	39.8	100	4	81-121/23
108-10-1	4-Methyl-2-pentanone	160	146	91	170	106	15	74-136/23
74-83-9	Methyl bromide	40	38.3	96	39.0	98	2	82-124/20
74-87-3	Methyl chloride	40	39.0	98	38.8	97	1	60-132/26
74-95-3	Methylene bromide	40	36.6	92	38.8	97	6	82-120/20
75-09-2	Methylene chloride	40	35.9	90	36.6	92	2	75-119/20
78-93-3	Methyl ethyl ketone	160	156	98	175	109	11	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	37.1	93	38.4	96	3	79-127/19
91-20-3	Naphthalene	40	40.3	101	41.3	103	2	78-125/23
103-65-1	n-Propylbenzene	40	38.0	95	39.5	99	4	79-124/22
100-42-5	Styrene	40	35.8	90	38.0	95	6	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	36.6	92	37.8	95	3	80-127/20
75-65-0	Tert Butyl Alcohol	200	187	94	225	113	18	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	37.3	93	37.9	95	2	82-123/21
71-55-6	1,1,1-Trichloroethane	40	37.2	93	37.2	93	0	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	37.1	93	40.4	101	9	77-126/20
79-00-5	1,1,2-Trichloroethane	40	36.6	92	38.7	97	6	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	40.3	101	40.6	102	1	81-122/26
96-18-4	1,2,3-Trichloropropane	40	35.3	88	39.0	98	10	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	45.8	115	44.7	112	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	37.8	95	39.1	98	3	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	38.6	97	39.6	99	3	81-123/23
127-18-4	Tetrachloroethylene	40	37.4	94	38.3	96	2	80-125/25
108-88-3	Toluene	40	37.7	94	38.5	96	2	80-117/21
79-01-6	Trichloroethylene	40	37.2	93	39.2	98	5	81-122/20
75-69-4	Trichlorofluoromethane	40	38.9	97	38.1	95	2	77-133/22
75-01-4	Vinyl chloride	40	38.1	95	38.0	95	0	71-133/23
1330-20-7	Xylene (total)	120	111	93	114	95	3	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	101%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-BS	M52393.D	1	04/01/15	XB	n/a	n/a	VM1585
VM1585-BSD	M52394.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	102%	99%	70-130%
460-00-4	4-Bromofluorobenzene	96%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-BS	V23904.D	1	04/02/15	EA	n/a	n/a	VV953
VV953-BSD	V23905.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	82.9	104	92.3	115	11	38-159/24
71-43-2	Benzene	20	18.5	93	19.5	98	5	77-122/25
108-86-1	Bromobenzene	20	20.3	102	21.4	107	5	76-126/17
74-97-5	Bromochloromethane	20	20.1	101	21.2	106	5	77-130/17
75-27-4	Bromodichloromethane	20	19.0	95	20.4	102	7	75-127/16
75-25-2	Bromoform	20	20.6	103	22.0	110	7	69-141/17
104-51-8	n-Butylbenzene	20	19.0	95	19.4	97	2	72-129/18
135-98-8	sec-Butylbenzene	20	19.1	96	19.7	99	3	74-128/18
98-06-6	tert-Butylbenzene	20	20.2	101	20.7	104	2	73-127/18
108-90-7	Chlorobenzene	20	19.5	98	20.4	102	5	77-122/16
75-00-3	Chloroethane	20	16.4	82	17.0	85	4	69-133/18
67-66-3	Chloroform	20	18.9	95	19.7	99	4	74-126/17
95-49-8	o-Chlorotoluene	20	18.6	93	19.2	96	3	72-127/20
106-43-4	p-Chlorotoluene	20	18.7	94	19.9	100	6	68-127/18
56-23-5	Carbon tetrachloride	20	18.6	93	19.5	98	5	71-133/19
75-34-3	1,1-Dichloroethane	20	17.8	89	18.4	92	3	71-125/17
75-35-4	1,1-Dichloroethylene	20	16.8	84	17.0	85	1	66-125/20
563-58-6	1,1-Dichloropropene	20	17.5	88	18.2	91	4	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	19.3	97	20.7	104	7	65-131/20
106-93-4	1,2-Dibromoethane	20	20.8	104	22.3	112	7	75-135/17
107-06-2	1,2-Dichloroethane	20	19.2	96	20.8	104	8	71-131/17
78-87-5	1,2-Dichloropropane	20	18.3	92	19.8	99	8	78-124/16
142-28-9	1,3-Dichloropropane	20	20.6	103	22.0	110	7	78-123/16
108-20-3	Di-Isopropyl ether	20	19.0	95	19.8	99	4	68-129/17
594-20-7	2,2-Dichloropropane	20	17.5	88	18.1	91	3	70-131/19
124-48-1	Dibromochloromethane	20	20.3	102	21.8	109	7	76-132/16
75-71-8	Dichlorodifluoromethane	20	17.9	90	18.0	90	1	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	18.2	91	19.4	97	6	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	19.6	98	20.8	104	6	72-130/16
541-73-1	m-Dichlorobenzene	20	19.5	98	20.0	100	3	75-124/16
95-50-1	o-Dichlorobenzene	20	19.5	98	20.5	103	5	76-124/16
106-46-7	p-Dichlorobenzene	20	19.8	99	20.6	103	4	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	17.5	88	18.0	90	3	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	19.5	98	20.8	104	6	71-126/16
100-41-4	Ethylbenzene	20	19.4	97	19.5	98	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	20.4	102	21.8	109	7	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-BS	V23904.D	1	04/02/15	EA	n/a	n/a	VV953
VV953-BSD	V23905.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	88.4	111	95.7	120	8	67-150/22
87-68-3	Hexachlorobutadiene	20	19.3	97	19.8	99	3	69-135/20
98-82-8	Isopropylbenzene	20	19.0	95	19.5	98	3	61-125/17
99-87-6	p-Isopropyltoluene	20	19.1	96	19.6	98	3	68-127/18
108-10-1	4-Methyl-2-pentanone	80	85.4	107	91.8	115	7	71-142/21
74-83-9	Methyl bromide	20	18.5	93	19.2	96	4	68-132/18
74-87-3	Methyl chloride	20	18.2	91	18.8	94	3	39-150/28
74-95-3	Methylene bromide	20	20.4	102	21.7	109	6	77-127/16
75-09-2	Methylene chloride	20	17.3	87	18.2	91	5	67-128/18
78-93-3	Methyl ethyl ketone	80	85.1	106	93.6	117	10	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	20.2	101	21.5	108	6	73-132/17
91-20-3	Naphthalene	20	17.9	90	19.3	97	8	70-136/20
103-65-1	n-Propylbenzene	20	18.7	94	19.4	97	4	71-127/17
100-42-5	Styrene	20	20.3	102	21.7	109	7	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	20.3	102	21.8	109	7	73-133/17
75-65-0	Tert-Butyl Alcohol	100	98.1	98	108	108	10	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	20.4	102	21.3	107	4	77-130/16
71-55-6	1,1,1-Trichloroethane	20	18.0	90	18.4	92	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	20.1	101	21.5	108	7	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.0	100	21.6	108	8	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	19.2	96	20.4	102	6	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.3	97	20.5	103	6	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	19.4	97	20.7	104	6	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	19.0	95	19.9	100	5	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	19.9	100	20.7	104	4	77-129/17
127-18-4	Tetrachloroethylene	20	18.7	94	19.5	98	4	69-127/20
108-88-3	Toluene	20	19.3	97	20.0	100	4	75-122/17
79-01-6	Trichloroethylene	20	18.3	92	19.1	96	4	78-123/17
75-69-4	Trichlorofluoromethane	20	19.6	98	20.1	101	3	65-136/23
75-01-4	Vinyl chloride	20	20.4	102	20.8	104	2	57-146/22
1330-20-7	Xylene (total)	60	58.3	97	60.7	101	4	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-BS	V23904.D	1	04/02/15	EA	n/a	n/a	VV953
VV953-BSD	V23905.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-BS	M52442.D	1	04/02/15	XB	n/a	n/a	VM1586
VM1586-BSD	M52444.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	197	123	228	143* [a]	15	62-130/24
71-43-2	Benzene	40	36.1	90	39.8	100	10	81-119/20
108-86-1	Bromobenzene	40	37.6	94	40.1	100	6	79-120/22
74-97-5	Bromochloromethane	40	36.0	90	39.3	98	9	81-120/19
75-27-4	Bromodichloromethane	40	34.4	86	37.9	95	10	79-124/20
75-25-2	Bromoform	40	37.2	93	39.0	98	5	76-128/21
104-51-8	n-Butylbenzene	40	38.1	95	41.1	103	8	79-123/26
135-98-8	sec-Butylbenzene	40	38.5	96	40.8	102	6	77-122/24
98-06-6	tert-Butylbenzene	40	38.6	97	41.6	104	7	77-121/23
108-90-7	Chlorobenzene	40	36.6	92	39.5	99	8	82-121/20
75-00-3	Chloroethane	40	35.7	89	39.4	99	10	80-126/21
67-66-3	Chloroform	40	35.2	88	39.2	98	11	82-123/20
95-49-8	o-Chlorotoluene	40	36.1	90	39.6	99	9	78-125/25
106-43-4	p-Chlorotoluene	40	39.7	99	41.6	104	5	75-125/26
56-23-5	Carbon tetrachloride	40	36.3	91	40.4	101	11	82-127/22
75-34-3	1,1-Dichloroethane	40	34.0	85	37.6	94	10	80-123/20
75-35-4	1,1-Dichloroethylene	40	34.2	86	38.2	96	11	76-123/19
563-58-6	1,1-Dichloropropene	40	34.4	86	38.6	97	12	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	39.6	99	38.3	96	3	64-133/23
106-93-4	1,2-Dibromoethane	40	37.6	94	39.4	99	5	80-120/20
107-06-2	1,2-Dichloroethane	40	35.0	88	38.0	95	8	76-132/21
78-87-5	1,2-Dichloropropane	40	35.2	88	38.6	97	9	80-121/20
142-28-9	1,3-Dichloropropane	40	38.5	96	41.0	103	6	78-120/20
108-20-3	Di-Isopropyl ether	40	34.7	87	38.6	97	11	78-126/19
594-20-7	2,2-Dichloropropane	40	36.9	92	40.7	102	10	77-132/22
124-48-1	Dibromochloromethane	40	36.6	92	38.6	97	5	76-121/21
75-71-8	Dichlorodifluoromethane	40	33.3	83	37.7	94	12	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	35.2	88	38.6	97	9	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	35.5	89	39.6	99	11	81-124/21
541-73-1	m-Dichlorobenzene	40	37.2	93	39.6	99	6	79-123/23
95-50-1	o-Dichlorobenzene	40	37.0	93	38.7	97	4	79-124/22
106-46-7	p-Dichlorobenzene	40	37.4	94	39.9	100	6	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	35.0	88	38.6	97	10	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	35.4	89	37.8	95	7	81-123/22
100-41-4	Ethylbenzene	40	37.8	95	40.2	101	6	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	38.4	96	42.2	106	9	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-BS	M52442.D	1	04/02/15	XB	n/a	n/a	VM1586
VM1586-BSD	M52444.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	165	103	182	114	10	68-139/24
87-68-3	Hexachlorobutadiene	40	45.0	113	47.2	118	5	81-126/32
98-82-8	Isopropylbenzene	40	37.2	93	40.4	101	8	81-122/22
99-87-6	p-Isopropyltoluene	40	38.5	96	40.8	102	6	81-121/23
108-10-1	4-Methyl-2-pentanone	160	144	90	155	97	7	74-136/23
74-83-9	Methyl bromide	40	38.9	97	43.4	109	11	82-124/20
74-87-3	Methyl chloride	40	35.9	90	40.2	101	11	60-132/26
74-95-3	Methylene bromide	40	35.8	90	39.2	98	9	82-120/20
75-09-2	Methylene chloride	40	34.1	85	37.7	94	10	75-119/20
78-93-3	Methyl ethyl ketone	160	184	115	206	129	11	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	38.1	95	41.2	103	8	79-127/19
91-20-3	Naphthalene	40	36.9	92	36.6	92	1	78-125/23
103-65-1	n-Propylbenzene	40	37.0	93	40.1	100	8	79-124/22
100-42-5	Styrene	40	36.5	91	39.5	99	8	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	37.6	94	41.1	103	9	80-127/20
75-65-0	Tert Butyl Alcohol	200	179	90	178	89	1	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	37.4	94	38.9	97	4	82-123/21
71-55-6	1,1,1-Trichloroethane	40	35.9	90	39.6	99	10	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	37.5	94	38.5	96	3	77-126/20
79-00-5	1,1,2-Trichloroethane	40	36.3	91	38.5	96	6	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	40.2	101	40.8	102	1	81-122/26
96-18-4	1,2,3-Trichloropropane	40	36.8	92	38.3	96	4	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	44.3	111	45.7	114	3	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	37.2	93	39.7	99	7	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	39.1	98	41.8	105	7	81-123/23
127-18-4	Tetrachloroethylene	40	37.6	94	40.4	101	7	80-125/25
108-88-3	Toluene	40	37.7	94	40.2	101	6	80-117/21
79-01-6	Trichloroethylene	40	36.3	91	40.2	101	10	81-122/20
75-69-4	Trichlorofluoromethane	40	40.2	101	44.9	112	11	77-133/22
75-01-4	Vinyl chloride	40	34.6	87	39.1	98	12	71-133/23
1330-20-7	Xylene (total)	120	111	93	118	98	6	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	99%	101%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-BS	M52442.D	1	04/02/15	XB	n/a	n/a	VM1586
VM1586-BSD	M52444.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL1212-LCS	L40203.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	212	85	50-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV951-LCS	V23859.D	1	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	113	90	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1585-LCS	M52395.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	259	104	50-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VV953-LCS	V23906.D	1	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	115	92	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1586-LCS	M52445.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
	TPH-GRO (C6-C10)	250	253	101	50-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	107%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39109-1MS	L40220.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1MSD	L40221.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1	L40209.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	C39109-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		159	106	67	159	104	65	2	62-130/24
71-43-2	Benzene	ND		39.8	30.8	77* [a]	39.8	31.0	78* [a]	1	81-119/20
108-86-1	Bromobenzene	ND		39.8	37.2	94	39.8	37.4	94	1	79-120/22
74-97-5	Bromochloromethane	ND		39.8	32.4	81	39.8	31.6	79* [a]	2	81-120/19
75-27-4	Bromodichloromethane	ND		39.8	26.6	67* [a]	39.8	30.4	76* [a]	13	79-124/20
75-25-2	Bromoform	ND		39.8	39.6	100	39.8	40.4	101	2	76-128/21
104-51-8	n-Butylbenzene	ND		39.8	27.8	70* [a]	39.8	33.9	85	20	79-123/26
135-98-8	sec-Butylbenzene	ND		39.8	30.6	77	39.8	36.1	91	16	77-122/24
98-06-6	tert-Butylbenzene	ND		39.8	32.7	82	39.8	37.2	93	13	77-121/23
108-90-7	Chlorobenzene	ND		39.8	36.2	91	39.8	36.7	92	1	82-121/20
75-00-3	Chloroethane	ND		39.8	21.2	53* [a]	39.8	21.2	53* [a]	0	80-126/21
67-66-3	Chloroform	ND		39.8	23.6	59* [a]	39.8	24.0	60* [a]	2	82-123/20
95-49-8	o-Chlorotoluene	ND		39.8	25.2	63* [a]	39.8	35.1	88	33* [b]	78-125/25
106-43-4	p-Chlorotoluene	ND		39.8	26.5	67* [a]	39.8	34.6	87	27* [b]	75-125/26
56-23-5	Carbon tetrachloride	ND		39.8	31.5	79* [a]	39.8	31.3	79* [a]	1	82-127/22
75-34-3	1,1-Dichloroethane	ND		39.8	22.0	55* [a]	39.8	21.2	53* [a]	4	80-123/20
75-35-4	1,1-Dichloroethylene	ND		39.8	29.3	74* [a]	39.8	27.7	70* [a]	6	76-123/19
563-58-6	1,1-Dichloropropene	ND		39.8	28.2	71* [a]	39.8	27.7	70* [a]	2	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		39.8	22.0	55* [a]	39.8	21.9	55* [a]	0	64-133/23
106-93-4	1,2-Dibromoethane	ND		39.8	35.3	89	39.8	36.9	93	4	80-120/20
107-06-2	1,2-Dichloroethane	ND		39.8	24.6	62* [a]	39.8	27.4	69* [a]	11	76-132/21
78-87-5	1,2-Dichloropropane	ND		39.8	26.1	66* [a]	39.8	27.5	69* [a]	5	80-121/20
142-28-9	1,3-Dichloropropane	ND		39.8	28.3	71* [a]	39.8	36.8	92	26* [b]	78-120/20
108-20-3	Di-Isopropyl ether	ND		39.8	18.5	47* [a]	39.8	17.8	45* [a]	4	78-126/19
594-20-7	2,2-Dichloropropane	ND		39.8	23.1	58* [a]	39.8	22.8	57* [a]	1	77-132/22
124-48-1	Dibromochloromethane	ND		39.8	34.9	88	39.8	37.6	94	7	76-121/21
75-71-8	Dichlorodifluoromethane	ND		39.8	14.6	37* [a]	39.8	14.4	36* [a]	1	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		39.8	27.7	70* [a]	39.8	27.5	69* [a]	1	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		39.8	27.8	70* [a]	39.8	30.5	77* [a]	9	81-124/21
541-73-1	m-Dichlorobenzene	ND		39.8	35.2	89	39.8	36.5	92	4	79-123/23
95-50-1	o-Dichlorobenzene	ND		39.8	35.1	88	39.8	36.2	91	3	79-124/22
106-46-7	p-Dichlorobenzene	ND		39.8	35.5	89	39.8	36.8	92	4	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		39.8	29.8	75* [a]	39.8	27.8	70* [a]	7	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		39.8	23.8	60* [a]	39.8	33.5	84	34* [b]	81-123/22
100-41-4	Ethylbenzene	ND		39.8	36.7	92	39.8	36.9	93	1	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		39.8	23.1	58* [a]	39.8	22.7	57* [a]	2	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39109-1MS	L40220.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1MSD	L40221.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1	L40209.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Compound	C39109-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		159	101	64* [a]	159	166	104	49* [b]	68-139/24
87-68-3	Hexachlorobutadiene	ND		39.8	39.7	100	39.8	40.3	101	1	81-126/32
98-82-8	Isopropylbenzene	ND		39.8	32.7	82	39.8	37.2	93	13	81-122/22
99-87-6	p-Isopropyltoluene	ND		39.8	32.5	82	39.8	36.7	92	12	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		159	141	89	159	151	95	7	74-136/23
74-83-9	Methyl bromide	ND		39.8	26.4	66* [a]	39.8	28.1	71* [a]	6	82-124/20
74-87-3	Methyl chloride	ND		39.8	23.0	58* [a]	39.8	24.9	62	8	60-132/26
74-95-3	Methylene bromide	ND		39.8	30.1	76* [a]	39.8	33.6	84	11	82-120/20
75-09-2	Methylene chloride	ND		39.8	27.2	68* [a]	39.8	25.2	63* [a]	8	75-119/20
78-93-3	Methyl ethyl ketone	ND		159	113	71	159	110	69* [a]	3	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		39.8	28.4	71* [a]	39.8	24.4	61* [a]	15	79-127/19
91-20-3	Naphthalene	ND		39.8	31.1	78	39.8	32.2	81	3	78-125/23
103-65-1	n-Propylbenzene	ND		39.8	27.6	69* [a]	39.8	35.0	88	24* [b]	79-124/22
100-42-5	Styrene	ND		39.8	36.4	92	39.8	36.6	92	1	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		39.8	25.2	63* [a]	39.8	26.8	67* [a]	6	80-127/20
75-65-0	Tert Butyl Alcohol	ND		199	131	66	199	111	56* [a]	17	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		39.8	37.9	95	39.8	38.1	96	1	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		39.8	25.3	64* [a]	39.8	26.6	67* [a]	5	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		39.8	22.1	56* [a]	39.8	28.1	71* [a]	24* [b]	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		39.8	27.3	69* [a]	39.8	35.2	88	25* [b]	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		39.8	39.6	100	39.8	40.4	101	2	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		39.8	28.8	72* [a]	39.8	39.9	100	32* [b]	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		39.8	38.7	97	39.8	39.1	98	1	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		39.8	29.1	73* [a]	39.8	35.6	89	20	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		39.8	30.6	77* [a]	39.8	37.3	94	20	81-123/23
127-18-4	Tetrachloroethylene	ND		39.8	76.1	191* [c]	39.8	70.5	177* [c]	8	80-125/25
108-88-3	Toluene	ND		39.8	30.8	77* [a]	39.8	37.1	93	19	80-117/21
79-01-6	Trichloroethylene	ND		39.8	36.0	91	39.8	37.1	93	3	81-122/20
75-69-4	Trichlorofluoromethane	ND		39.8	24.7	62* [a]	39.8	24.1	60* [a]	2	77-133/22
75-01-4	Vinyl chloride	ND		39.8	25.3	64* [a]	39.8	27.3	69* [a]	8	71-133/23
1330-20-7	Xylene (total)	ND		119	111	93	120	112	94	1	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C39109-1	Limits
1868-53-7	Dibromofluoromethane	75%	73%	88%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39109-1MS	L40220.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1MSD	L40221.D	1	03/30/15	XB	n/a	n/a	VL1212
C39109-1	L40209.D	1	03/30/15	XB	n/a	n/a	VL1212

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-5, C39138-6, C39138-7

CAS No.	Surrogate Recoveries	MS	MSD	C39109-1	Limits
2037-26-5	Toluene-D8	82%	95%	100%	70-130%
460-00-4	4-Bromofluorobenzene	78%	97%	90%	70-130%

(a) Outside laboratory control limits. AZ:M2
(b) Outside laboratory control limits. AZ:R9
(c) Outside laboratory control limits. AZ:M1

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-23MS	V23876.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23MSD	V23877.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23 [a]	V23867.D	250	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	C39138-23 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		20000	22100	111	20000	22100	111	0	38-159/24
71-43-2	Benzene	ND		5000	4710	94	5000	4790	96	2	77-122/16
108-86-1	Bromobenzene	ND		5000	4970	99	5000	5130	103	3	76-126/17
74-97-5	Bromochloromethane	ND		5000	5030	101	5000	5140	103	2	77-130/17
75-27-4	Bromodichloromethane	ND		5000	4810	96	5000	4960	99	3	75-127/16
75-25-2	Bromoform	ND		5000	4920	98	5000	5040	101	2	69-141/17
104-51-8	n-Butylbenzene	ND		5000	4610	92	5000	4720	94	2	72-129/18
135-98-8	sec-Butylbenzene	ND		5000	4660	93	5000	4730	95	1	74-128/18
98-06-6	tert-Butylbenzene	ND		5000	5000	100	5000	5020	100	0	73-127/18
108-90-7	Chlorobenzene	ND		5000	4880	98	5000	5000	100	2	77-122/16
75-00-3	Chloroethane	ND		5000	4130	83	5000	4260	85	3	69-133/18
67-66-3	Chloroform	ND		5000	4710	94	5000	4910	98	4	74-126/17
95-49-8	o-Chlorotoluene	ND		5000	4770	95	5000	4950	99	4	72-127/20
106-43-4	p-Chlorotoluene	ND		5000	4650	93	5000	4770	95	3	68-127/18
56-23-5	Carbon tetrachloride	ND		5000	4840	97	5000	4910	98	1	71-133/19
75-34-3	1,1-Dichloroethane	ND		5000	4470	89	5000	4580	92	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		5000	4150	83	5000	4250	85	2	66-125/20
563-58-6	1,1-Dichloropropene	ND		5000	4450	89	5000	4540	91	2	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		5000	4840	97	5000	4860	97	0	65-131/20
106-93-4	1,2-Dibromoethane	ND		5000	5150	103	5000	5250	105	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		5000	4840	97	5000	5030	101	4	71-131/17
78-87-5	1,2-Dichloropropane	ND		5000	4740	95	5000	4930	99	4	78-124/16
142-28-9	1,3-Dichloropropane	ND		5000	5130	103	5000	5270	105	3	78-123/16
108-20-3	Di-Isopropyl ether	ND		5000	4770	95	5000	4930	99	3	68-129/17
594-20-7	2,2-Dichloropropane	ND		5000	4170	83	5000	4240	85	2	70-131/19
124-48-1	Dibromochloromethane	ND		5000	4970	99	5000	5120	102	3	76-132/16
75-71-8	Dichlorodifluoromethane	ND		5000	4800	96	5000	4670	93	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	396		5000	5200	96	5000	5180	96	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		5000	4890	98	5000	4920	98	1	72-130/16
541-73-1	m-Dichlorobenzene	ND		5000	4740	95	5000	4950	99	4	75-124/16
95-50-1	o-Dichlorobenzene	ND		5000	4790	96	5000	4920	98	3	76-124/16
106-46-7	p-Dichlorobenzene	ND		5000	4860	97	5000	5010	100	3	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		5000	4430	89	5000	4540	91	2	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		5000	4640	93	5000	4820	96	4	71-126/16
100-41-4	Ethylbenzene	ND		5000	4780	96	5000	4890	98	2	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		5000	5210	104	5000	5350	107	3	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-23MS	V23876.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23MSD	V23877.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23 [a]	V23867.D	250	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	C39138-23 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		20000	22100	111	20000	22800	114	3	67-150/22
87-68-3	Hexachlorobutadiene	ND		5000	4750	95	5000	4750	95	0	69-135/20
98-82-8	Isopropylbenzene	ND		5000	4740	95	5000	4890	98	3	61-125/17
99-87-6	p-Isopropyltoluene	ND		5000	4700	94	5000	4750	95	1	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		20000	22000	110	20000	21800	109	1	71-142/21
74-83-9	Methyl bromide	ND		5000	4700	94	5000	4840	97	3	68-132/18
74-87-3	Methyl chloride	ND		5000	4640	93	5000	4870	97	5	39-150/28
74-95-3	Methylene bromide	ND		5000	5160	103	5000	5280	106	2	77-127/16
75-09-2	Methylene chloride	ND		5000	4330	87	5000	4480	90	3	67-128/18
78-93-3	Methyl ethyl ketone	ND		20000	22400	112	20000	21800	109	3	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		5000	5120	102	5000	5210	104	2	73-132/17
91-20-3	Naphthalene	ND		5000	4530	91	5000	4670	93	3	70-136/20
103-65-1	n-Propylbenzene	ND		5000	4580	92	5000	4630	93	1	71-127/17
100-42-5	Styrene	ND		5000	5090	102	5000	5290	106	4	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		5000	5060	101	5000	5320	106	5	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		25000	26300	105	25000	26600	106	1	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		5000	5090	102	5000	5280	106	4	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		5000	4540	91	5000	4700	94	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		5000	4960	99	5000	5010	100	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		5000	5020	100	5000	5160	103	3	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		5000	4840	97	5000	5010	100	3	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		5000	4500	90	5000	4600	92	2	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		5000	4820	96	5000	4950	99	3	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		5000	4700	94	5000	4830	97	3	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		5000	4850	97	5000	4960	99	2	77-129/17
127-18-4	Tetrachloroethylene	11500		5000	16100	92	5000	16800	106	4	69-127/20
108-88-3	Toluene	ND		5000	4740	95	5000	4920	98	4	75-122/17
79-01-6	Trichloroethylene	252		5000	5390	103	5000	5070	96	6	78-123/17
75-69-4	Trichlorofluoromethane	ND		5000	4970	99	5000	5010	100	1	65-136/23
75-01-4	Vinyl chloride	56.4	J	5000	5180	102	5000	5390	107	4	57-146/22
1330-20-7	Xylene (total)	ND		15000	14300	95	15000	14900	99	4	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C39138-23	Limits
1868-53-7	Dibromofluoromethane	96%	95%	94%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-23MS	V23876.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23MSD	V23877.D	250	04/01/15	EA	n/a	n/a	VV951
C39138-23 [a]	V23867.D	250	04/01/15	EA	n/a	n/a	VV951

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Surrogate Recoveries	MS	MSD	C39138-23	Limits
2037-26-5	Toluene-D8	97%	98%	97%	70-130%
460-00-4	4-Bromofluorobenzene	98%	98%	95%	70-130%

(a) Sample vial contained more than 0.5cm of sediment.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-11MS	M52411.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11MSD	M52412.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11	M52398.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	C39138-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		9800	6360	65	9800	7150	73	12	62-130/24
71-43-2	Benzene	ND		2450	2380	97	2450	2340	96	2	81-119/20
108-86-1	Bromobenzene	ND		2450	2510	102	2450	2520	103	0	79-120/22
74-97-5	Bromochloromethane	ND		2450	2280	93	2450	2240	91	2	81-120/19
75-27-4	Bromodichloromethane	ND		2450	2250	92	2450	2210	90	2	79-124/20
75-25-2	Bromoform	ND		2450	2220	91	2450	2260	92	2	76-128/21
104-51-8	n-Butylbenzene	ND		2450	2400	98	2450	2350	96	2	79-123/26
135-98-8	sec-Butylbenzene	ND		2450	2450	100	2450	2450	100	0	77-122/24
98-06-6	tert-Butylbenzene	ND		2450	2490	102	2450	2500	102	0	77-121/23
108-90-7	Chlorobenzene	ND		2450	2460	100	2450	2440	100	1	82-121/20
75-00-3	Chloroethane	ND		2450	2070	84	2450	1890	77* [a]	9	80-126/21
67-66-3	Chloroform	ND		2450	2330	95	2450	2210	90	5	82-123/20
95-49-8	o-Chlorotoluene	ND		2450	2390	98	2450	2380	97	0	78-125/25
106-43-4	p-Chlorotoluene	ND		2450	2620	107	2450	2690	110	3	75-125/26
56-23-5	Carbon tetrachloride	ND		2450	2210	90	2450	2130	87	4	82-127/22
75-34-3	1,1-Dichloroethane	ND		2450	2210	90	2450	2140	87	3	80-123/20
75-35-4	1,1-Dichloroethylene	ND		2450	2210	90	2450	2120	87	4	76-123/19
563-58-6	1,1-Dichloropropene	ND		2450	2220	91	2450	2170	89	2	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		2450	2220	91	2450	2350	96	6	64-133/23
106-93-4	1,2-Dibromoethane	ND		2450	2470	101	2450	2510	102	2	80-120/20
107-06-2	1,2-Dichloroethane	ND		2450	2280	93	2450	2260	92	1	76-132/21
78-87-5	1,2-Dichloropropane	ND		2450	2360	96	2450	2330	95	1	80-121/20
142-28-9	1,3-Dichloropropane	ND		2450	2570	105	2450	2620	107	2	78-120/20
108-20-3	Di-Isopropyl ether	ND		2450	2320	95	2450	2260	92	3	78-126/19
594-20-7	2,2-Dichloropropane	ND		2450	2080	85	2450	2040	83	2	77-132/22
124-48-1	Dibromochloromethane	ND		2450	2310	94	2450	2350	96	2	76-121/21
75-71-8	Dichlorodifluoromethane	ND		2450	924	38* [a]	2450	880	36* [a]	5	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		2450	2280	93	2450	2190	89	4	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		2450	2370	97	2450	2420	99	2	81-124/21
541-73-1	m-Dichlorobenzene	ND		2450	2400	98	2450	2430	99	1	79-123/23
95-50-1	o-Dichlorobenzene	ND		2450	2390	98	2450	2380	97	0	79-124/22
106-46-7	p-Dichlorobenzene	ND		2450	2430	99	2450	2470	101	2	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		2450	2220	91	2450	2160	88	3	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		2450	2350	96	2450	2400	98	2	81-123/22
100-41-4	Ethylbenzene	ND		2450	2480	101	2450	2440	100	2	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		2450	2530	103	2450	2450	100	3	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-11MS	M52411.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11MSD	M52412.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11	M52398.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	C39138-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		9800	8920	91	9800	9460	97	6	68-139/24
87-68-3	Hexachlorobutadiene	ND		2450	2680	109	2450	2680	109	0	81-126/32
98-82-8	Isopropylbenzene	ND		2450	2390	98	2450	2330	95	3	81-122/22
99-87-6	p-Isopropyltoluene	ND		2450	2410	98	2450	2410	98	0	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		9800	8440	86	9800	8740	89	3	74-136/23
74-83-9	Methyl bromide	ND		2450	2340	96	2450	2190	89	7	82-124/20
74-87-3	Methyl chloride	ND		2450	1690	69	2450	1570	64	7	60-132/26
74-95-3	Methylene bromide	ND		2450	2290	93	2450	2290	93	0	82-120/20
75-09-2	Methylene chloride	ND		2450	2260	92	2450	2140	87	5	75-119/20
78-93-3	Methyl ethyl ketone	ND		9800	8480	87	9800	9100	93	7	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		2450	2420	99	2450	2290	93	6	79-127/19
91-20-3	Naphthalene	ND		2450	2250	92	2450	2360	96	5	78-125/23
103-65-1	n-Propylbenzene	ND		2450	2400	98	2450	2400	98	0	79-124/22
100-42-5	Styrene	ND		2450	2440	100	2450	2440	100	0	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		2450	2420	99	2450	2390	98	1	80-127/20
75-65-0	Tert Butyl Alcohol	ND		12300	7810	64* [a]	12300	7320	60* [a]	6	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		2450	2350	96	2450	2300	94	2	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		2450	2250	92	2450	2150	88	5	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		2450	2320	95	2450	2400	98	3	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		2450	2370	97	2450	2430	99	3	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		2450	2580	105	2450	2630	107	2	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		2450	2180	89	2450	2230	91	2	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		2450	2670	109	2450	2700	110	1	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		2450	2420	99	2450	2410	98	0	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		2450	2530	103	2450	2520	103	0	81-123/23
127-18-4	Tetrachloroethylene	1140		2450	3510	97	2450	3480	96	1	80-125/25
108-88-3	Toluene	ND		2450	2510	102	2450	2500	102	0	80-117/21
79-01-6	Trichloroethylene	ND		2450	2370	97	2450	2330	95	2	81-122/20
75-69-4	Trichlorofluoromethane	ND		2450	2320	95	2450	2180	89	6	77-133/22
75-01-4	Vinyl chloride	ND		2450	1130	46* [a]	2450	1000	41* [a]	12	71-133/23
1330-20-7	Xylene (total)	ND		7350	7240	98	7350	7080	96	2	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C39138-11	Limits
1868-53-7	Dibromofluoromethane	99%	93%	102%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39138-11MS	M52411.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11MSD	M52412.D	1	04/01/15	XB	n/a	n/a	VM1585
C39138-11	M52398.D	1	04/01/15	XB	n/a	n/a	VM1585

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-8, C39138-11, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Surrogate Recoveries	MS	MSD	C39138-11	Limits
2037-26-5	Toluene-D8	107%	102%	103%	70-130%
460-00-4	4-Bromofluorobenzene	106%	100%	105%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39137-1MS	V23924.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1MSD	V23925.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1	V23911.D	50	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	C39137-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		4000	4390	110	4000	4420	111	1	38-159/24
71-43-2	Benzene	ND		1000	931	93	1000	919	92	1	77-122/16
108-86-1	Bromobenzene	ND		1000	1000	100	1000	1020	102	2	76-126/17
74-97-5	Bromochloromethane	ND		1000	989	99	1000	1020	102	3	77-130/17
75-27-4	Bromodichloromethane	ND		1000	943	94	1000	951	95	1	75-127/16
75-25-2	Bromoform	ND		1000	949	95	1000	965	97	2	69-141/17
104-51-8	n-Butylbenzene	ND		1000	922	92	1000	919	92	0	72-129/18
135-98-8	sec-Butylbenzene	ND		1000	932	93	1000	931	93	0	74-128/18
98-06-6	tert-Butylbenzene	ND		1000	1000	100	1000	1000	100	0	73-127/18
108-90-7	Chlorobenzene	ND		1000	964	96	1000	973	97	1	77-122/16
75-00-3	Chloroethane	ND		1000	817	82	1000	820	82	0	69-133/18
67-66-3	Chloroform	ND		1000	935	94	1000	962	96	3	74-126/17
95-49-8	o-Chlorotoluene	ND		1000	961	96	1000	984	98	2	72-127/20
106-43-4	p-Chlorotoluene	ND		1000	916	92	1000	941	94	3	68-127/18
56-23-5	Carbon tetrachloride	ND		1000	943	94	1000	926	93	2	71-133/19
75-34-3	1,1-Dichloroethane	ND		1000	875	88	1000	891	89	2	71-125/17
75-35-4	1,1-Dichloroethylene	ND		1000	835	84	1000	823	82	1	66-125/20
563-58-6	1,1-Dichloropropene	ND		1000	882	88	1000	867	87	2	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		1000	991	99	1000	1010	101	2	65-131/20
106-93-4	1,2-Dibromoethane	ND		1000	1020	102	1000	1050	105	3	75-135/17
107-06-2	1,2-Dichloroethane	ND		1000	966	97	1000	959	96	1	71-131/17
78-87-5	1,2-Dichloropropane	ND		1000	939	94	1000	944	94	1	78-124/16
142-28-9	1,3-Dichloropropane	ND		1000	1010	101	1000	1040	104	3	78-123/16
108-20-3	Di-Isopropyl ether	ND		1000	933	93	1000	949	95	2	68-129/17
594-20-7	2,2-Dichloropropane	ND		1000	803	80	1000	815	82	1	70-131/19
124-48-1	Dibromochloromethane	ND		1000	970	97	1000	980	98	1	76-132/16
75-71-8	Dichlorodifluoromethane	ND		1000	919	92	1000	893	89	3	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		1000	908	91	1000	946	95	4	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		1000	947	95	1000	948	95	0	72-130/16
541-73-1	m-Dichlorobenzene	ND		1000	960	96	1000	967	97	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		1000	959	96	1000	980	98	2	76-124/16
106-46-7	p-Dichlorobenzene	ND		1000	973	97	1000	983	98	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		1000	862	86	1000	873	87	1	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		1000	907	91	1000	925	93	2	71-126/16
100-41-4	Ethylbenzene	ND		1000	946	95	1000	958	96	1	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		1000	1030	103	1000	1040	104	1	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39137-1MS	V23924.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1MSD	V23925.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1	V23911.D	50	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Compound	C39137-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		4000	4400	110	4000	4530	113	3	67-150/22
87-68-3	Hexachlorobutadiene	ND		1000	948	95	1000	958	96	1	69-135/20
98-82-8	Isopropylbenzene	ND		1000	943	94	1000	952	95	1	61-125/17
99-87-6	p-Isopropyltoluene	ND		1000	944	94	1000	929	93	2	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		4000	4310	108	4000	4340	109	1	71-142/21
74-83-9	Methyl bromide	ND		1000	927	93	1000	935	94	1	68-132/18
74-87-3	Methyl chloride	ND		1000	915	92	1000	922	92	1	39-150/28
74-95-3	Methylene bromide	ND		1000	1010	101	1000	1030	103	2	77-127/16
75-09-2	Methylene chloride	ND		1000	857	86	1000	874	87	2	67-128/18
78-93-3	Methyl ethyl ketone	ND		4000	4410	110	4000	4380	110	1	56-155/23
1634-04-4	Methyl Tert Butyl Ether	2430		1000	3420	99	1000	3530	110	3	73-132/17
91-20-3	Naphthalene	ND		1000	908	91	1000	934	93	3	70-136/20
103-65-1	n-Propylbenzene	ND		1000	925	93	1000	934	93	1	71-127/17
100-42-5	Styrene	ND		1000	994	99	1000	1030	103	4	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		1000	1020	102	1000	1020	102	0	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		5000	5330	107	5000	5320	106	0	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		1000	1000	100	1000	1020	102	2	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		1000	909	91	1000	920	92	1	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		1000	1010	101	1000	1020	102	1	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		1000	987	99	1000	1010	101	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		1000	970	97	1000	991	99	2	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		1000	832	83	1000	855	86	3	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		1000	963	96	1000	970	97	1	68-129/17
95-63-6	1,2,4-Trimethylbenzene	ND		1000	947	95	1000	958	96	1	74-129/17
108-67-8	1,3,5-Trimethylbenzene	ND		1000	973	97	1000	973	97	0	77-129/17
127-18-4	Tetrachloroethylene	ND		1000	908	91	1000	927	93	2	69-127/20
108-88-3	Toluene	ND		1000	939	94	1000	967	97	3	75-122/17
79-01-6	Trichloroethylene	ND		1000	920	92	1000	925	93	1	78-123/17
75-69-4	Trichlorofluoromethane	ND		1000	979	98	1000	989	99	1	65-136/23
75-01-4	Vinyl chloride	ND		1000	992	99	1000	1010	101	2	57-146/22
1330-20-7	Xylene (total)	ND		3000	2850	95	3000	2910	97	2	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C39137-1	Limits
1868-53-7	Dibromofluoromethane	99%	97%	96%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C39137-1MS	V23924.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1MSD	V23925.D	50	04/02/15	EA	n/a	n/a	VV953
C39137-1	V23911.D	50	04/02/15	EA	n/a	n/a	VV953

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-9

CAS No.	Surrogate Recoveries	MS	MSD	C39137-1	Limits
2037-26-5	Toluene-D8	97%	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	98%	98%	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D69223-4MS	M52456.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4MSD	M52457.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4	M52450.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	D69223-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		189	298	157* [a]	187	295	158* [a]	1	62-130/24
71-43-2	Benzene	1.9	J	47.3	41.7	84	46.8	43.5	89	4	81-119/20
108-86-1	Bromobenzene	ND		47.3	40.5	86	46.8	43.8	94	8	79-120/22
74-97-5	Bromochloromethane	ND		47.3	40.4	85	46.8	42.9	92	6	81-120/19
75-27-4	Bromodichloromethane	ND		47.3	36.4	77* [a]	46.8	38.5	82	6	79-124/20
75-25-2	Bromoform	ND		47.3	39.0	82	46.8	43.2	92	10	76-128/21
104-51-8	n-Butylbenzene	ND		47.3	35.0	74* [a]	46.8	36.5	78* [a]	4	79-123/26
135-98-8	sec-Butylbenzene	ND		47.3	38.8	82	46.8	40.3	86	4	77-122/24
98-06-6	tert-Butylbenzene	ND		47.3	43.2	91	46.8	45.5	97	5	77-121/23
108-90-7	Chlorobenzene	ND		47.3	39.7	84	46.8	43.1	92	8	82-121/20
75-00-3	Chloroethane	ND		47.3	38.0	80	46.8	38.8	83	2	80-126/21
67-66-3	Chloroform	ND		47.3	36.3	77* [a]	46.8	38.1	81* [a]	5	82-123/20
95-49-8	o-Chlorotoluene	ND		47.3	38.4	81	46.8	39.3	84	2	78-125/25
106-43-4	p-Chlorotoluene	ND		47.3	37.0	78	46.8	41.3	88	11	75-125/26
56-23-5	Carbon tetrachloride	ND		47.3	37.4	79* [a]	46.8	40.3	86	7	82-127/22
75-34-3	1,1-Dichloroethane	ND		47.3	34.8	73* [a]	46.8	36.4	78* [a]	4	80-123/20
75-35-4	1,1-Dichloroethylene	ND		47.3	37.2	79	46.8	39.5	84	6	76-123/19
563-58-6	1,1-Dichloropropene	ND		47.3	36.5	77* [a]	46.8	38.2	82	5	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		47.3	35.3	75	46.8	37.9	81	7	64-133/23
106-93-4	1,2-Dibromoethane	ND		47.3	40.3	85	46.8	44.6	95	10	80-120/20
107-06-2	1,2-Dichloroethane	ND		47.3	34.9	74* [a]	46.8	36.7	78	5	76-132/21
78-87-5	1,2-Dichloropropane	ND		47.3	38.1	80	46.8	40.0	85	5	80-121/20
142-28-9	1,3-Dichloropropane	ND		47.3	41.0	87	46.8	44.7	96	9	78-120/20
108-20-3	Di-Isopropyl ether	ND		47.3	35.6	75* [a]	46.8	37.5	80	5	78-126/19
594-20-7	2,2-Dichloropropane	ND		47.3	34.8	73* [a]	46.8	36.2	77	4	77-132/22
124-48-1	Dibromochloromethane	ND		47.3	39.7	84	46.8	43.3	93	9	76-121/21
75-71-8	Dichlorodifluoromethane	ND		47.3	22.6	48* [a]	46.8	22.5	48* [a]	0	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		47.3	38.4	81	46.8	40.3	86	5	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		47.3	38.5	81	46.8	40.3	86	5	81-124/21
541-73-1	m-Dichlorobenzene	ND		47.3	37.1	78* [a]	46.8	39.7	85	7	79-123/23
95-50-1	o-Dichlorobenzene	ND		47.3	37.0	78* [a]	46.8	39.0	83	5	79-124/22
106-46-7	p-Dichlorobenzene	ND		47.3	37.2	79	46.8	39.7	85	7	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		47.3	37.5	79	46.8	40.2	86	7	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		47.3	36.5	77* [a]	46.8	39.9	85	9	81-123/22
100-41-4	Ethylbenzene	ND		47.3	39.1	83	46.8	41.9	90	7	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		47.3	40.1	85	46.8	42.0	90	5	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D69223-4MS	M52456.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4MSD	M52457.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4	M52450.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Compound	D69223-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		189	211	111	187	234	125	10	68-139/24
87-68-3	Hexachlorobutadiene	ND		47.3	37.7	80* [a]	46.8	37.8	81	0	81-126/32
98-82-8	Isopropylbenzene	ND		47.3	38.4	81	46.8	40.6	87	6	81-122/22
99-87-6	p-Isopropyltoluene	ND		47.3	38.0	80* [a]	46.8	39.6	85	4	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		189	147	78	187	159	85	8	74-136/23
74-83-9	Methyl bromide	ND		47.3	37.4	79* [a]	46.8	38.0	81* [a]	2	82-124/20
74-87-3	Methyl chloride	ND		47.3	28.2	60	46.8	28.6	61	1	60-132/26
74-95-3	Methylene bromide	ND		47.3	37.7	80* [a]	46.8	40.8	87	8	82-120/20
75-09-2	Methylene chloride	ND		47.3	37.2	79	46.8	39.1	84	5	75-119/20
78-93-3	Methyl ethyl ketone	ND		189	231	122	187	245	131* [a]	6	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		47.3	40.2	85	46.8	42.7	91	6	79-127/19
91-20-3	Naphthalene	ND		47.3	34.8	73* [a]	46.8	35.4	76* [a]	2	78-125/23
103-65-1	n-Propylbenzene	ND		47.3	37.6	79	46.8	39.9	85	6	79-124/22
100-42-5	Styrene	ND		47.3	39.0	82* [a]	46.8	42.0	90	7	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		47.3	41.0	87	46.8	42.4	91	3	80-127/20
75-65-0	Tert Butyl Alcohol	ND		237	188	79	234	184	79	2	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		47.3	39.7	84	46.8	42.8	91	8	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		47.3	36.6	77* [a]	46.8	38.0	81	4	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		47.3	38.8	82	46.8	41.8	89	7	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		47.3	39.6	84	46.8	42.8	91	8	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		47.3	35.1	74* [a]	46.8	34.9	75* [a]	1	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		47.3	36.6	77* [a]	46.8	40.1	86	9	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		47.3	38.9	82	46.8	39.5	84	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		47.3	37.5	79* [a]	46.8	39.4	84	5	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		47.3	40.0	84	46.8	41.9	90	5	81-123/23
127-18-4	Tetrachloroethylene	ND		47.3	52.1	110	46.8	58.7	125	12	80-125/25
108-88-3	Toluene	ND		47.3	40.5	86	46.8	44.1	94	9	80-117/21
79-01-6	Trichloroethylene	ND		47.3	42.1	89	46.8	44.2	94	5	81-122/20
75-69-4	Trichlorofluoromethane	ND		47.3	38.0	80	46.8	39.1	84	3	77-133/22
75-01-4	Vinyl chloride	ND		47.3	33.7	71	46.8	34.0	73	1	71-133/23
1330-20-7	Xylene (total)	ND		142	117	82	140	127	90	8	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	D69223-4	Limits
1868-53-7	Dibromofluoromethane	93%	91%	108%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D69223-4MS	M52456.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4MSD	M52457.D	1	04/02/15	XB	n/a	n/a	VM1586
D69223-4	M52450.D	1	04/02/15	XB	n/a	n/a	VM1586

The QC reported here applies to the following samples: **Method:** SW846 8260B

C39138-12, C39138-13, C39138-14

CAS No.	Surrogate Recoveries	MS	MSD	D69223-4	Limits
2037-26-5	Toluene-D8	98%	99%	98%	70-130%
460-00-4	4-Bromofluorobenzene	97%	95%	105%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11940-MB	HH321681.D	1	03/30/15	AG	03/30/15	OP11940	GHH1492

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-5, C39138-6, C39138-7, C39138-8, C39138-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	0.83	mg/kg	
	TPH (> C28-C40)	ND	6.7	1.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	87%	37-122%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11945-MB	HH321725.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-9, C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.025	mg/l	
	TPH (> C28-C40)	ND	0.20	0.050	mg/l	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	88%	32-124%

Method Blank Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11946-MB	HH321749.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-12, C39138-13, C39138-14, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	0.83	mg/kg	
	TPH (> C28-C40)	ND	6.7	1.7	mg/kg	

CAS No.	Surrogate Recoveries		Limits
630-01-3	Hexacosane	83%	37-122%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11940-BS	HH321678.D	1	03/30/15	AG	03/30/15	OP11940	GHH1492
OP11940-BSD	HH321679.D	1	03/30/15	AG	03/30/15	OP11940	GHH1492

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-5, C39138-6, C39138-7, C39138-8, C39138-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	24.9	75	23.9	72	4	39-102/29
	TPH (> C28-C40)	33.3	36.2	109	33.6	101	7	42-111/26

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	91%	89%	37-122%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11945-BS	HH321727.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
OP11945-BSD	HH321728.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-9, C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.738	74	0.716	72	3	38-115/22
	TPH (> C28-C40)	1	0.926	93	0.935	94	1	45-114/20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	90%	88%	32-124%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11946-BS	HH321746.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
OP11946-BSD	HH321747.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-12, C39138-13, C39138-14, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	33.3	23.4	70	23.7	71	1	39-102/29
	TPH (> C28-C40)	33.3	34.4	103	32.4	97	6	42-111/26

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	84%	86%	37-122%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11940-MS	HH321676.D	2	03/30/15	AG	03/30/15	OP11940	GHH1492
OP11940-MSD	HH321677.D	2	03/30/15	AG	03/30/15	OP11940	GHH1492
C39152-1	HH321716.D	2	03/31/15	AG	03/30/15	OP11940	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-5, C39138-6, C39138-7, C39138-8, C39138-11

CAS No.	Compound	C39152-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	37.7		33.1	60.4	69	33.1	55.5	54	8	39-102/29
	TPH (> C28-C40)	66.9		33.1	73.4	20* [a]	33.1	73.6	20* [a]	0	42-111/26

CAS No.	Surrogate Recoveries	MS	MSD	C39152-1	Limits
630-01-3	Hexacosane	91%	91%	92%	37-122%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11945-MS	HH321723.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
OP11945-MSD	HH321724.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493
C39138-25	HH321720.D	1	03/31/15	AG	03/30/15	OP11945	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-9, C39138-10, C39138-23, C39138-24, C39138-25

CAS No.	Compound	C39138-25 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	0.0798	J	2	1.53	73	2	1.59	76	4	38-115/22
	TPH (> C28-C40)	0.0808	J	2	1.73	82	2	1.83	87	6	45-114/20

CAS No.	Surrogate Recoveries	MS	MSD	C39138-25	Limits
630-01-3	Hexacosane	93%	85%	84%	32-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C39138
Account: ROUXCAO ROUX Associates - Oakland CA
Project: 2868 Hannah St. Oakland CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP11946-MS	HH321741.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
OP11946-MSD	HH321742.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493
C39138-12	HH321729.D	1	04/01/15	AG	03/30/15	OP11946	GHH1493

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C39138-12, C39138-13, C39138-14, C39138-15, C39138-16, C39138-17, C39138-18, C39138-19, C39138-20, C39138-21, C39138-22

CAS No.	Compound	C39138-12 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1.14	J	38.9	24.7	60	38.9	30.9	76	22	39-102/29
	TPH (> C28-C40)	ND		38.9	30.3	78	38.9	31.9	82	5	42-111/26

CAS No.	Surrogate Recoveries	MS	MSD	C39138-12	Limits
630-01-3	Hexacosane	81%	85%	85%	37-122%

* = Outside of Control Limits.