

August 21, 2017

**RECEIVED**

By Alameda County Environmental Health 3:31 pm, Aug 23, 2017

Alameda County Department of  
Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Attention: Keith Nowell

Subject: Soil and Groundwater Investigation Report  
3924 Market Street, Oakland, California  
**ACEH RO# 0000490; Global ID: T0600101187**

Ladies and Gentlemen:

Attached please find a copy of the *Soil and Groundwater Investigation Report*, prepared by Gribi Associates. I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website."

Very truly yours,



Scott Atthowe  
Scott C. Atthowe Trust  
3924 Market Street  
Oakland, CA 94608



August 21, 2017

Alameda County Department of  
Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

Attention: Keith Nowell

Subject: Soil and Groundwater Investigation Report  
3924 Market Street, Oakland, California  
**ACEH RO# 0000490; Global ID: T0600101187**

Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Soil and Groundwater Investigation Report* on behalf of Mr. Scott Atthowe for the underground storage tank (UST) site located at 3924 Market Street, Oakland, California (Site) (see Figure 1 and Figure 2). This report documents the drilling and sample of three investigative borings on the upgradient (northeast) side of the Site. The goal of this investigation has been to define potential hydrocarbon impacts in soil and groundwater on the upgradient (north-northeast) side of the Site.

## 1.0 BACKGROUND

Previous investigations between 1991 and 2015 identified fairly immobile diesel/motor oil range hydrocarbons in soil and groundwater on the west side of the Site. These hydrocarbon impacts are likely the result of fuel oil releases related to former ovens at the former Toscana Bakery, which operated on the Site from the mid-1920s until 1987.

The Site was previously evaluated for regulatory closure under the *Low-Threat Underground Storage Tank Case Closure Policy* (LTCP). As indicated in the May 11, 2017 email from ACDEH, the Site does not meet the LTCP Groundwater Specific criteria because the hydrocarbon plume has not been defined in the upgradient (north-northeast) direction. On May 22, 2017, Gribi Associates submitted the *Workplan for Plume Delineation* to Alameda County Department of Environmental Health (ACDEH). This workplan was conditionally approved by ACDEH on June 5, 2017.

## **2.0 DESCRIPTION OF FIELD ACTIVITIES**

In order to address the LTCP Groundwater Specific criteria deficiency, three borings were cored and sampled along the 40<sup>th</sup> Street sidewalk, immediately north-northeast from the Site. All activities will be conducted in accordance with all applicable regulatory guidelines and statutes.

### **2.1 Prefield Activities**

Prior to beginning field activities, a drilling permit (Permit No. W2017-0576) was obtained from the Alameda County Department of Public Works. In addition, an encroachment permit (Permit No. X1700781) was obtained from the City of Oakland for the activities on the public right-of-way. Copies of these permits are provided in Attachment A.

Prior to implementing field activities, all drilling locations were marked with white paint, and Underground Services Alert (USA) was notified at least 48 hours prior to drilling. A private underground utility locator was also retained to conduct an independent clearance of the proposed drilling locations.

Prior to initiating drilling activities, a Site Safety Plan was prepared, and a tailgate safety meeting was conducted with all site workers.

### **2.2 Location of Soil Borings**

The boring locations are shown on Figure 3. Borings B-14, B-15, and B-16 were located in a west to east fashion along the 40<sup>th</sup> Street sidewalk of, immediately upgradient (north-northeast) from the Site.

### **2.3 Drilling and Sampling of Investigative Borings**

Investigative borings B-14, B-15, and B-16 were drilled to approximately 22 feet in depth by Environmental Control Associate (ECA), a California licensed driller. The borings were drilled using direct-push hydraulically-driven soil coring equipment. Continuous soil cores were collected to total depth in a clear plastic acetate tube, nested inside a stainless steel core barrel. After each four-foot core barrel is brought to the surface and exposed, the core were sliced lengthwise to expose the soil core, examined, logged, and field screened for hydrocarbons by a qualified scientist using sight, smell, and an organic vapor monitor (OVM).

Soil samples were collected at approximately four-foot intervals starting at approximately 4 feet in depth. Soil samples were collected in an acetate liner, which was cut to the desired length (typically four to six inches), capped with Teflon tape and plastic end caps, labeled and placed in cold storage pending transport to a laboratory under formal chain-of-custody.

One grab groundwater sample was collected from each boring at first encountered groundwater (encountered at approximately 16 to 17 feet in depth). Grab groundwater samples were collected from the open boring after placing 1-1/4-inch diameter well casing in the boring. Groundwater was then sampled using a clean small diameter bailer, and poured directly into laboratory-supplied containers. Each sample container was tightly sealed, labeled, and placed in cold storage for transport to the laboratory under formal chain-of-custody.

All coring and sampling equipment was thoroughly cleaned and decontaminated between each sample collection by triple rinsing first with water, then with dilute tri-sodium phosphate solution, and finally with distilled water.

Following completion, the investigative borings were grouted to approximately 4-inches below existing surface grade using cement slurry. The top 4-inches of the boring were completed with concrete to match existing grade. Soil cuttings generated during this investigation were stored onsite in sealed DOT-approved containers.

## **2.4 Laboratory Analysis of Soil and Water Samples**

Twelve soil samples (four per boring) and three groundwater samples (one per boring) were analyzed for the following parameters.

- USEPA 8260B Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8260B Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)
- USEPA 8260B Oxygenates (DIPE, ETBE, MTBE, TAME, TBA)
- USEPA 8260B Naphthalene
- USEPA 8015B Total Petroleum Hydrocarbons-Carbon Chain

All analyses were conducted by a Sunstar Laboratories, a California-certified analytical laboratory, with standard turnaround time on results.

## **3.0 RESULTS OF INVESTIGATION**

### **3.1 General Subsurface Conditions**

Boring logs for borings B-14, B-15, and B-16 are provided in Attachment B. Native soils encountered in the three borings were generally similar, consisting primarily of silts and clays down to approximately 16 feet in depth, followed by poorly sorted sandy silts and sands to the

total depths of the borings. Groundwater was encountered in the three borings at approximately 16 feet in depth.

No hydrocarbon staining, odors, sheens, or OVM detections were noted in soils or groundwater samples from the three borings.

### **3.2 Results of Laboratory Analyses**

Soil and groundwater results are provided on Table 1 and on Figure 3. The laboratory data report is provided in Attachment C.

Soil samples collected at 3.5 feet and 11.5 feet in depth from B-15 showed respective TPH-D concentrations of 15 milligrams per kilogram (mg/kg) and 18 mg/kg and respective TBA concentrations of 0.29 mg/kg, and 0.072 mg/kg. A soil sample collected at 15.5 feet in depth from B-14 showed 0.11 mg/kg of TBA. No other hydrocarbon analytes were detected above laboratory detection levels in soil samples from the three borings.

Groundwater samples from B-14, B-15, and B-16 showed respective TPH-G concentrations of 57 micrograms per liter (ug/L), 53 ug/L, and 51 ug/L. The groundwater sample from B-14 showed 1.3 ug/L of Benzene. No other hydrocarbon analytes were detected above laboratory detection levels in groundwater samples from the three borings.

### **4.0 CONCLUSIONS**

Results from this investigation clearly indicate no offsite upgradient (north-northeast) sources for the heavy hydrocarbons encountered on the Site. Thus, the subject hydrocarbons on the Site have been adequately defined in all directions, and, as postulated in the Site Conceptual Model, the primary source of hydrocarbon releases on the Site are likely fuel oil releases associated with historic bakery ovens located in the Site building in the past.

It is our understanding, based on recent correspondences from ACDEH, that the investigation reported herein covers the only remaining data gap for the Site, and that, based on the results reported herein showing no upgradient offsite sources, the Site now meets all of the general and media-specific criteria under the LTCP. Thus, we expect that ACDEH will grant regulatory closure for the Site as a low risk site under the LTCP.

Alameda County Department of  
Environmental Health  
August 21, 2017  
Page 5

We appreciate this opportunity to provide this report for your review. Please contact us if there are questions or if additional information is required.

Very truly yours,



Matthew Rosman  
Project Engineer



James E. Gribi  
Professional Geologist  
California No. 5843



Enclosure

**TABLE**

**Table 1**  
**HYDROCARBON SOIL LABORATORY ANALYTICAL RESULTS**  
 3924 Market Street UST Site

Sample ID	Sample Date	Sample Depth	Soil Concentration, milligrams per kilogram (mg/kg)									Oxygenates
			Groundwater Concentration, micrograms per liter (ug/L)									
			TPH-M	TPH-D	TPH-G	B	T	E	X	Naphth.		
B-14-3.5	8/2/2017	3.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-14-7.5	8/2/2017	7.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-14-11.5	8/2/2017	11.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-14-15.5	8/2/2017	15.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<b>0.11</b> TBA	
B-14-GW	8/2/2017	16.7 ft	<500	<500	<b>57</b>	<b>1.3</b>	<0.5	<0.5	<1.0	<1.0	All ND	
B-15-3.5	8/2/2017	3.5 ft	<10	<b>15</b>	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<b>0.29</b> TBA	
B-15-7.5	8/2/2017	7.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-15-11.5	8/2/2017	11.5 ft	<10	<b>18</b>	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<b>0.072</b> TBA	
B-15-15.5	8/2/2017	15.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-15-GW	8/2/2017	17.0 ft	<500	<500	<b>53</b>	<0.5	<0.5	<0.5	<1.0	<1.0	All ND	
B-16-4.0	8/2/2017	4.05 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-16-7.5	8/2/2017	7.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-16-11.5	8/2/2017	11.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-16-13.5	8/2/2017	15.5 ft	<10	<10	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	All ND	
B-16-GW	8/2/2017	17.5 ft	<500	<500	<b>51</b>	<0.5	<0.5	<0.5	<1.0	<1.0	All ND	
Soil ESL			<b>140,000</b>	<b>1,100</b>	<b>3,900</b>	<b>1.0</b>	<b>4,600</b>	<b>22</b>	<b>2,400</b>	<b>14</b>	<b>Various</b>	
Groundwater ESL			--	--	--	<b>9.7</b>	<b>30,000</b>	<b>110</b>	<b>11,000</b>	<b>170</b>	<b>Various</b>	

**TABLE NOTES**

TPH-M = Total Petroleum Hydrocarbons as motor oil

B = Benzene

X = Xylenes

TPH-D = Total Petroleum Hydrocarbons as diesel

T = Toluene

TPH-G = Total Petroleum Hydrocarbons as gasoline

E = Ethylbenzene

Oxygenates include Ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Methyl Tertiary Butyl Ether (MTBE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME)

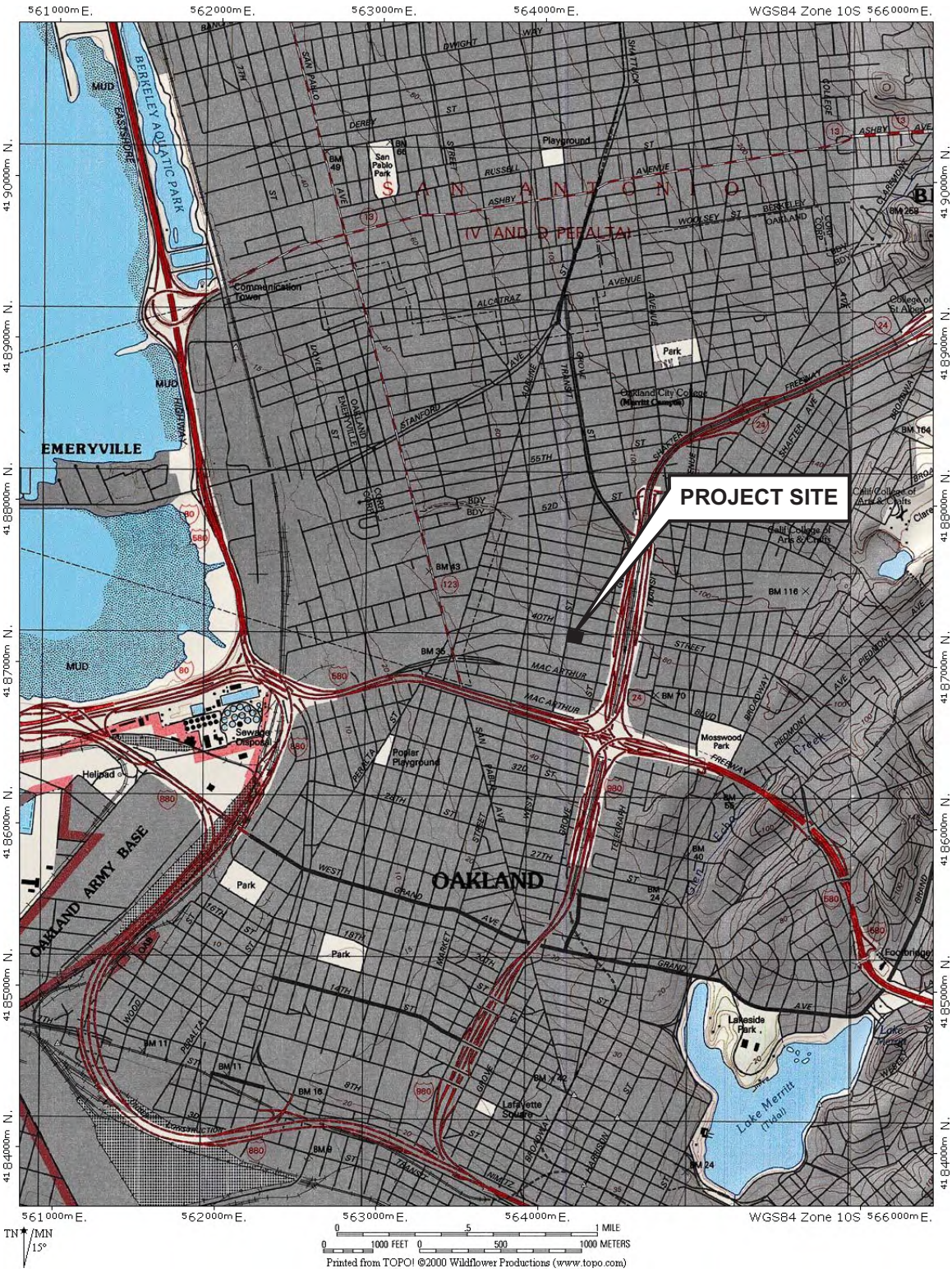
<1.0 = Not detected above the expressed value.

Soil ESL = Soil Environmental Screening Levels for Direct Exposure to Shallow Soils at Commercial/Industrial Sites (Table S-1), San Francisco Bay Regional Water Quality Control Board, February 2016

Groundwater ESL = Groundwater Environmental Screening Levels for Vapor Intrusion; Shallow Groundwater; Commercial Sites (Table GW-3), San Francisco Bay Regional Water Quality Control Board, February 2016



## FIGURES



DESIGNED BY:	CHECKED BY: JEG
DRAWN BY: JEG	SCALE:
PROJECT NO:	

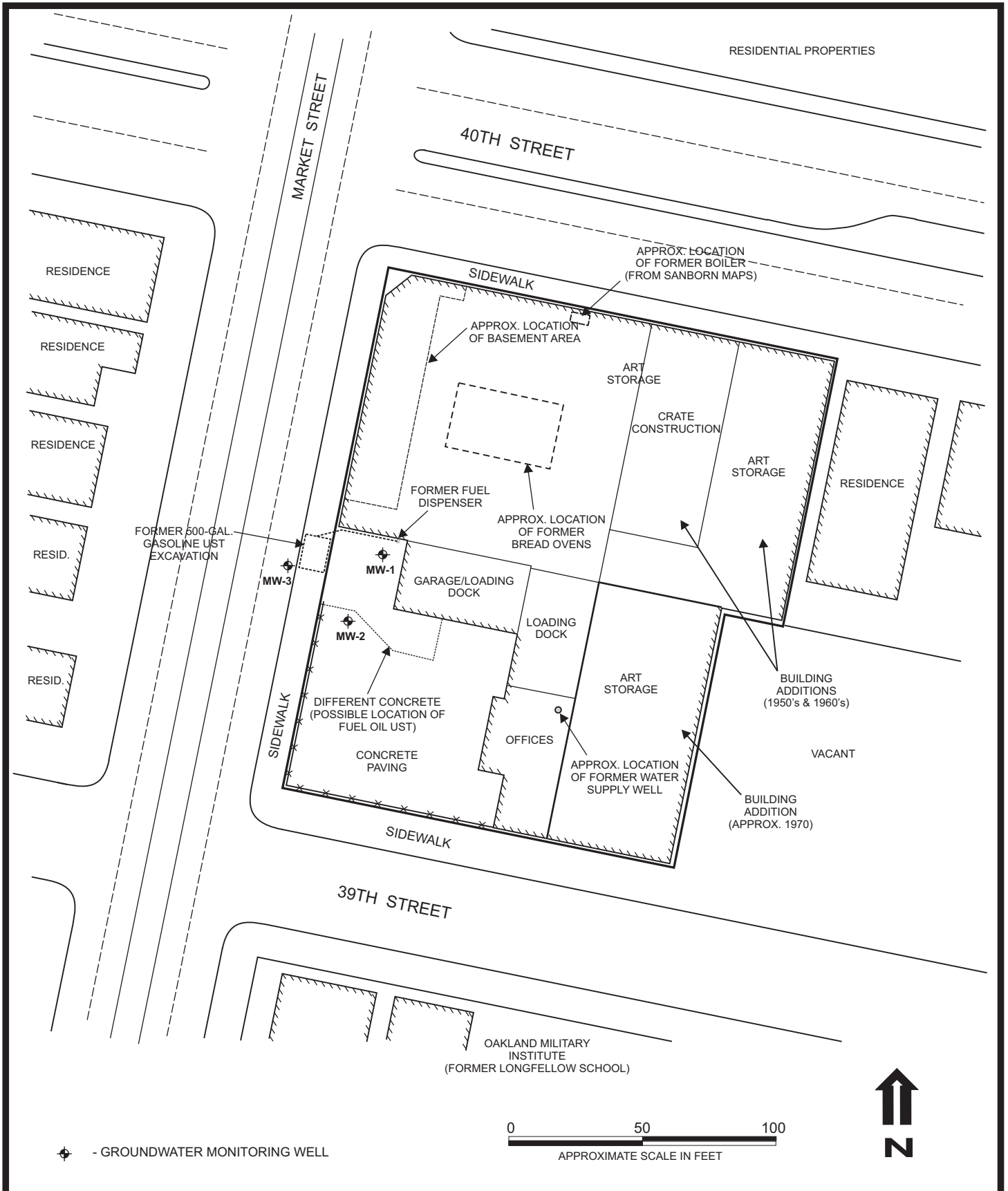
**SITE VICINITY MAP**

3924 MARKET STREET  
OAKLAND, CALIFORNIA

DATE: 08/22/2017      FIGURE: 1







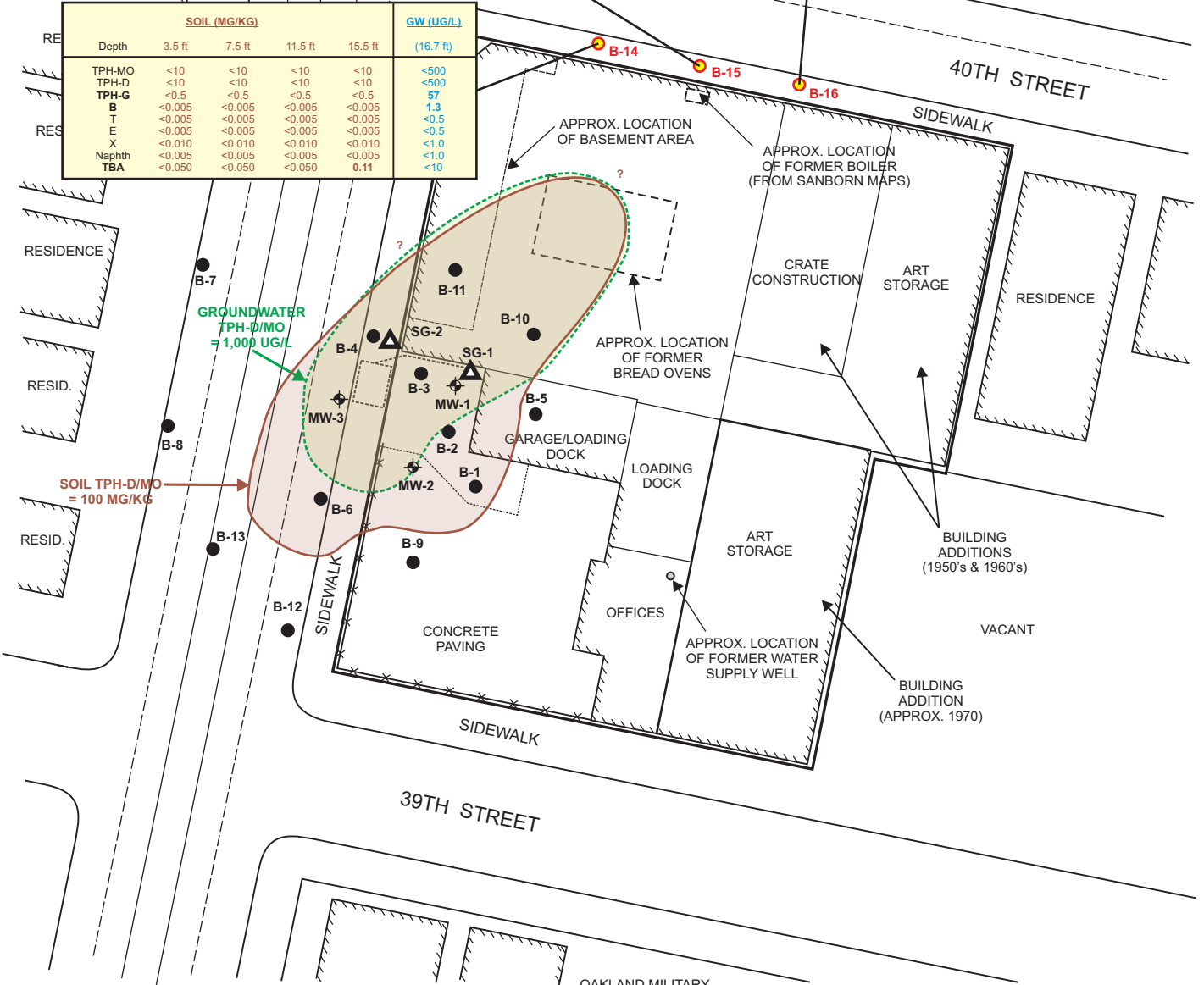
DESIGNED BY:	CHECKED BY: JEG	<b>SITE PLAN</b>	DATE: 08/22/2017	FIGURE: 2
DRAWN BY: JEG	SCALE:			
PROJECT NO:		3924 MARKET STREET OAKLAND, CALIFORNIA		

RESIDENTIAL PROPERTIES

Depth	SOIL (MG/KG)				GW (UG/L)
	3.5 ft	7.5 ft	11.5 ft	15.5 ft	(16.7 ft)
TPH-MO	<10	<10	<10	<10	<500
TPH-D	15	<10	18	<10	<500
TPH-G	<0.5	<0.5	<0.5	<0.5	53
B	<0.005	<0.005	<0.005	<0.005	<0.5
T	<0.005	<0.005	<0.005	<0.005	<0.5
E	<0.005	<0.005	<0.005	<0.005	<0.5
X	<0.010	<0.010	<0.010	<0.010	<1.0
Naphth	<0.005	<0.005	<0.005	<0.005	<1.0
TBA	0.29	<0.050	0.072	<0.050	<10

Depth	SOIL (MG/KG)				GW (UG/L)
	3.5 ft	7.5 ft	11.5 ft	15.5 ft	(16.7 ft)
TPH-MO	<10	<10	<10	<10	<500
TPH-D	<10	<10	<10	<10	<500
TPH-G	<0.5	<0.5	<0.5	<0.5	51
B	<0.005	<0.005	<0.005	<0.005	1.3
T	<0.005	<0.005	<0.005	<0.005	<0.5
E	<0.005	<0.005	<0.005	<0.005	<0.5
X	<0.010	<0.010	<0.010	<0.010	<1.0
Naphth	<0.005	<0.005	<0.005	<0.005	<1.0
TBA	<0.050	<0.050	<0.050	<0.050	<10

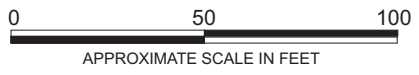
Depth	SOIL (MG/KG)				GW (UG/L)
	3.5 ft	7.5 ft	11.5 ft	15.5 ft	(16.7 ft)
TPH-MO	<10	<10	<10	<10	<500
TPH-D	<10	<10	<10	<10	<500
TPH-G	<0.5	<0.5	<0.5	<0.5	57
B	<0.005	<0.005	<0.005	<0.005	1.3
T	<0.005	<0.005	<0.005	<0.005	<0.5
E	<0.005	<0.005	<0.005	<0.005	<0.5
X	<0.010	<0.010	<0.010	<0.010	<1.0
Naphth	<0.005	<0.005	<0.005	<0.005	<1.0
TBA	<0.050	<0.050	<0.050	0.11	<10



GROUNDWATER  
TPH-D/MO  
= 1,000 UG/L

SOIL TPH-D/MO  
= 100 MG/KG

- - SOIL BORING LOCATION
- ▲ - SOIL GAS SAMPLE LOCATION (GRIBI, 07/2015)
- - SOIL BORING LOCATION (GRIBI, 2013, 2015)
- ⊕ - GROUNDWATER MONITORING WELL



DESIGNED BY:	CHECKED BY: JEG
DRAWN BY: JEG	SCALE:
PROJECT NO:	

**SOIL BORING LOCATIONS & HYDROCARBON RESULTS**

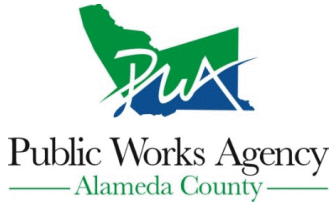
3924 MARKET STREET  
OAKLAND, CALIFORNIA

DATE: 08/22/2017      FIGURE: 3



**ATTACHMENT A**  
**REGULATORY PERMITS**

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

**Application Approved on: 07/14/2017 By jamesy**

**Permit Numbers: W2017-0576**  
**Permits Valid from 07/19/2017 to 07/19/2017**

**Application Id:** 1498777506071  
**Site Location:** 3924 Market Street  
**Project Start Date:** 07/19/2017  
**Assigned Inspector:** Contact Eneyew Amberber at (510) 670-5759 or eneyew@acpwa.org

**City of Project Site:**Oakland

**Completion Date:**07/19/2017

**Applicant:** Gribi Associates - Matthew Rosman  
1090 Adams Street, Suite K, Benicia, CA 94510  
**Property Owner:** Scott Atthowe  
3924 Market Street, Oakland, CA 94111  
**Client:** \*\* same as Property Owner \*\*  
**Contact:** Matthew Rosman

**Phone:** 707-748-7743

**Phone:** 510-654-6816

**Phone:** 707-748-7743  
**Cell:** 707-718-8613

<b>Receipt Number: WR2017-0326</b>	<b>Total Due:</b>	\$265.00
<b>Payer Name : Matt Rosman</b>	<b>Total Amount Paid:</b>	\$265.00
	Paid By: MC	<b>PAID IN FULL</b>

**Works Requesting Permits:**

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 3 Boreholes  
Driller: Environmental Control Associates - Lic #: 95970 - Method: DP

**Work Total: \$265.00**

**Specifications**

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2017-0576	07/14/2017	10/17/2017	3	2.50 in.	20.00 ft

**Specific Work Permit Conditions**

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or

## Alameda County Public Works Agency - Water Resources Well Permit

waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

---



Permits for which no major inspection has been approved within 180 days shall expire by

- limitation. No refund more than 180 days after expiration or final.
- SL and X permits valid 90 days
- CGS permit valid 30 days

CHECK REVERSE

3925 MARKET ST



CITY OF OAKLAND

**CITY OF OAKLAND**

DEPT OF PUBLIC WORKS 4th FLOOR

250 FRANK H. OGAWA PLAZA • 2ND FLOOR • OAKLAND, CA 94612

To schedule inspection

Planning and Building Department  
www.oaklandnet.com

Email: pwa\_inspections@oaklandnet.com or call 510-238-3651

PH: 510-238-3891  
FAX: 510-238-2263

100-510-238-3254

3925 MARKET ST

Permit No: X1700781 OPW - Excavation

Job Site: 3925 MARKET ST

Parcel No: 012 095500300

District:

For SL; X; and CGS permits see **SPECIAL NOTE** below  
 Filed Date: 7/13/2017  
 Schedule inspection by calling: 510-238-3444

**Project Description:** Soil boring(s) on 40TH St. No impact on traffic lane or sidewalk allowed. Please see Map. Ensure that environmental controls are in place to prevent dust/debris/waste water from contaminating environment. Additional permits/fees may be required including permits from outside agencies/utility companies. If working within 25' feet of a monument you must comply with State Law 8771, contact the Inspector prior to starting excavation: minimum \$5,800.00 fine for non-compliance. Comply with all terms of City of Oakland Public Works Standards, Street Excavation Rules, Revised March 2015 and City Council Ordinance No. 13300 C.M.S. Five day prior notice required for work lasting five days or less in business/commercial districts; 72 hour notice in residential districts. Ten day prior notice required for work lasting six days or more in all districts.

Call PWA INSPECTION prior to start: 510-238-3651. email PWA\_inspections@oaklandnet.com.  
 Contact: 831-662-8178

**Related Permits:**

	<u>Name</u>	<u>Applicant</u>	<u>Address</u>	<u>Phone</u>	<u>License #</u>
<b>Owner:</b>	FISCHER MICHAEL		3925 MARKET ST OAKLAND, CA		
<b>Contractor:</b>	ENVIRONMENTAL CONTROL ASSOCIATES		3011 TWIN PALMS DRIVE APTOS, CA	(831) 662-8178	695970
<b>Contractor-Employee:</b>	MATTHEW ROSMAN	X	3011 TWIN PALMS DRIVE APTOS, CA	(831) 662-8178	

**PERMIT DETAILS:** Building/Public Infrastructure/Excavation/NA

**General Information**

Excavation Type: Private Party      Special Paving Detail Required:      Tree Removal Involved:

Date Street Last Resurfaced:      Holiday Restriction (Nov 1 - Jan 1):

Worker's Compensation Company Name:      Limited Operation Area (7AM-9AM) And (4PM-6PM):

Worker's Compensation Policy #:

**Key Dates**

Approximate Start Date:

Approximate End Date:

YL 7/13/17

**TOTAL FEES TO BE PAID AT FILING: \$489.98**

Application Fee	\$70.00	Excavation - Private	\$357.00	Recrd Mangmnt & Tech	\$62.98
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• SL; X; and CGS permits: prior to start, email pwa\_inspections@oaklandnet.com or call 510-238-3651

- SL and X permits valid 90 days
- CGS permit valid 30 days

ADDRESS

APPLICATION

#765710-77-07/13/17-Master David 489.98



**ATTACHMENT B**  
**SOIL BORING LOGS**

# LOG OF BORING

BORING NUMBER : **B-14**  
 BORING LOCATION: 40TH STREET  
 PROJECT NAME: 3924 MARKET STREET UST SITE  
 BORING TYPE: SOIL BORING  
 LOGGED BY: M. ROSMAN  
 START DATE: 8/02/2017 COMPLETION DATE: 8/02/2017



DRILLING CONTRACTOR: ECA  
 DRILLING METHOD: DIRECT PUSH  
 BOREHOLE DIAMETER: 2.5 INCHES  
 COMPLETION METHOD: NA  
 BORING TOTAL DEPTH: 22.0 FEET  
 GROUNDWATER DEPTH: 16.5 FEET




DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & WATER LEVEL ▽ - INITIAL ▼ - FINAL	USCS	LOG OF MATERIAL		WELL INSTALLATION & CONSTRUCTION
						DESCRIPTION	USCS	
						0.0 - 1.0 ft.	Concrete and base rock	
5	B-14-3.5	3.5 FT.		PID = 0	CL	1.0 - 5.0 ft.	<b>Clay (CL)</b> Black, moist, slightly silty, stiff, no odors or staining.	
	B-14-7.5	7.5 FT.		PID = 0	CL	5.0 - 9.0 ft.	<b>Silty Clay (CL)</b> Dark brown, moist, stiff, slightly sandy - very fine grain, no odors or staining.	
10	B-14-11.5	11.5 FT.		PID = 0	CL	9.0 - 13.0 ft.	<b>Silty Clay (CL)</b> Light brown, moist, stiff, slightly sand - very fine grain, no odors or staining.	
					SP	13.0 - 14.0 ft.	<b>Sand (SP)</b> Light brown, moist, fine to coarse grain, slightly silty/clayey, no odors or staining	
15	B-14-15.5	15.5 FT.		PID = 0	CL	14.0 - 17.0 ft.	<b>Silty Clay (CL)</b> Light-brown, moist, medium stiff to stiff, slightly to moderately sandy - very fine grain, no odors or staining.	
				▼	ML	17.0 - 19.0 ft.	<b>Sandy Silt (ML)</b> Mottled grey and brown, moist, very fine grain, no odors or staining.	
20					SP	19.0 - 22.0 ft.	<b>Sand (SP)</b> Brown, wet, fine to coarse grain, angular, slightly silty/clayey, no odors or staining.	
25						TOTAL DEPTH: 22 FEET		

# LOG OF BORING

BORING NUMBER : **B-15**  
 BORING LOCATION: 40TH STREET  
 PROJECT NAME: 3924 MARKET STREET UST SITE  
 BORING TYPE: SOIL BORING  
 LOGGED BY: M. ROSMAN  
 START DATE: 08/02/2017 COMPLETION DATE: 08/02/2017



DRILLING CONTRACTOR: GREGG DRILLING  
 DRILLING METHOD: HAND AUGER  
 BOREHOLE DIAMETER: 2.5 INCHES  
 COMPLETION METHOD: NA  
 BORING TOTAL DEPTH: 18.5 FEET  
 GROUNDWATER DEPTH: 16.5 FEET

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & WATER LEVEL  - INITIAL  - FINAL	USCS	LOG OF MATERIAL		WELL INSTALLATION & CONSTRUCTION
						DESCRIPTION	USCS	
						0.0 - 1.0 ft.	Concrete and base rock	
5	B-15-3.5	3.5 FT.		PID = 0	CL	1.0 - 6.0 ft.	<b>Clay (CL)</b> Black, moist, slightly silty, stiff, no odors or staining.	
	B-15-7.5	7.5 FT.		PID = 0	CL	6.0 - 8.5 ft.	<b>Silty Clay (CL)</b> Dark brown, moist, stiff, slightly sandy - very fine grain, no odors or staining.	
10	B-15-11.5	11.5 FT.		PID = 0	CL	8.5 - 12.5 ft.	<b>Clay (CL)</b> Light brown, moist, stiff, slightly silty, slightly sand - very fine grain, no odors or staining.	
					SP	12.5 - 13.5 ft.	<b>Sand (SP)</b> Light brown, moist, fine to coarse grain, slightly silty/clayey, no odors or staining	
15	B-15-15.5	15.5 FT.		PID = 0 	CL	13.5 - 15.5 ft.	<b>Silty Clay (CL)</b> Light-brown, moist, medium stiff to stiff, slightly to moderately sandy - very fine grain, no odors or staining.	
					ML	15.5 - 17.0 ft.	<b>Sandy Silt (ML)</b> Mottled grey and brown, moist, very fine grain, no odors or staining.	
20					SP	17.0 - 21.5 ft.	<b>Sand (SP)</b> Brown, wet, fine to coarse grain, angular, slightly silty/clayey, no odors or staining.	
					CL	21.5 - 22.0 ft.	<b>Silty Clay (CL)</b> Grey, very moist to wet, soft, no odors or staining.	
25						TOTAL DEPTH: 22 FEET		

# LOG OF BORING

BORING NUMBER : **B-16**  
 BORING LOCATION: 40TH STREET  
 PROJECT NAME: 3924 MARKET STREET UST SITE  
 BORING TYPE: SOIL BORING  
 LOGGED BY: M. ROSMAN  
 START DATE: 08/02/2017 COMPLETION DATE: 08/02/2017



DRILLING CONTRACTOR: GREGG DRILLING  
 DRILLING METHOD: DIRECT PUSH  
 BOREHOLE DIAMETER: 2.5 INCHES  
 COMPLETION METHOD: NA  
 BORING TOTAL DEPTH: 20.0 FEET  
 GROUNDWATER DEPTH: 17.5 FEET

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & WATER LEVEL ▽ - INITIAL ▼ - FINAL	USCS	LOG OF MATERIAL		WELL INSTALLATION & CONSTRUCTION
						DESCRIPTION	TEXT	
						0.0 - 1.0 ft.	Concrete and base rock	
5	B-16-4.0	4.0 FT.		PID = 0	CL	0.0 - 4.0 ft.	<b>No Recovery</b>	
						4.0 - 6.0 ft.	<b>Clay (CL)</b> Black, moist, slightly silty, stiff, no odors or staining.	
10	B-16-7.5	7.5 FT.		PID = 0	CL	6.0 - 12 ft.	<b>Silty Clay (CL)</b> Light brown, moist, stiff to very stiff, slightly sandy - . very fine grain, no odors or staining.	
	B-16-11.5	11.5 FT.		PID = 0	SP	12.0 - 14.0 ft.	<b>Sand (SP)</b> Light brown, moist, fine to coarse grain, slightly silty/clayey, no odors or staining	
15	B-16-13.5	13.5 FT.		PID = 0	CL	14.0 - 15.0 ft.	<b>Silty Clay (CL)</b> Light-brown, moist, medium stiff to stiff, slightly to moderately sandy - very fine grain, no odors or staining.	
					ML	15.0 - 16.0 ft.	<b>Sandy Silt (ML)</b> Light brown, moist, very fine grain, no odors or staining.	
20				▽	SM	16.0 - 19.5 ft.	<b>Silty Sand (SM)</b> Mottled grey and brown, moist, very fine grain, no odors or staining.	
					SP	19.5 - 21.0 ft.	<b>Sand (SP)</b> Brown, wet, fine to coarse grain, angular, slightly silty/clayey, no odors or staining.	
					SM	21.0 - 22.0 ft.	<b>Silty Sand (SM)</b> Mottled grey and brown, moist, very fine grain, no odors or staining.	
25						TOTAL DEPTH: 22 FEET		

**ATTACHMENT C**

**LABORATORY DATA REPORT AND  
CHAIN OF CUSTODY RECORDS**



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

11 August 2017

Jim Gribi  
Gribi Associates  
1090 Adam Street, Suite K  
Benicia, CA 94510  
RE: Atthowe

Enclosed are the results of analyses for samples received by the laboratory on 08/04/17 10:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Nguyen  
Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-14-3.5	T172037-01	Soil	08/02/17 12:00	08/04/17 10:05
B-14-7.5	T172037-02	Soil	08/02/17 12:05	08/04/17 10:05
B-14-11.5	T172037-03	Soil	08/02/17 12:15	08/04/17 10:05
B-14-15.5	T172037-04	Soil	08/02/17 12:25	08/04/17 10:05
B-15-3.5	T172037-05	Soil	08/02/17 10:25	08/04/17 10:05
B-15-7.5	T172037-06	Soil	08/02/17 10:30	08/04/17 10:05
B-15-11.5	T172037-07	Soil	08/02/17 10:40	08/04/17 10:05
B-15-15.5	T172037-08	Soil	08/02/17 10:50	08/04/17 10:05
B-16-4.0	T172037-09	Soil	08/02/17 09:00	08/04/17 10:05
B-16-7.5	T172037-10	Soil	08/02/17 09:05	08/04/17 10:05
B-16-11.5	T172037-11	Soil	08/02/17 09:15	08/04/17 10:05
B-16-13.5	T172037-12	Soil	08/02/17 09:25	08/04/17 10:05
B-14-GW	T172037-13	Water	08/02/17 13:00	08/04/17 10:05
B-15-GW	T172037-14	Water	08/02/17 11:50	08/04/17 10:05
B-16-GW	T172037-15	Water	08/02/17 11:30	08/04/17 10:05

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**DETECTIONS SUMMARY**

**Sample ID:** B-14-3.5 **Laboratory ID:** T172037-01

No Results Detected

**Sample ID:** B-14-7.5 **Laboratory ID:** T172037-02

No Results Detected

**Sample ID:** B-14-11.5 **Laboratory ID:** T172037-03

No Results Detected

**Sample ID:** B-14-15.5 **Laboratory ID:** T172037-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tert-butyl alcohol	110	50	ug/kg	EPA 8260B	

**Sample ID:** B-15-3.5 **Laboratory ID:** T172037-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C13-C28 (DRO)	15	10	mg/kg	EPA 8015B	
Tert-butyl alcohol	290	50	ug/kg	EPA 8260B	

**Sample ID:** B-15-7.5 **Laboratory ID:** T172037-06

No Results Detected

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant



Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**Sample ID:** B-15-11.5

**Laboratory ID:** T172037-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	18	10		mg/kg	EPA 8015B	
Tert-butyl alcohol	72	50		ug/kg	EPA 8260B	

**Sample ID:** B-15-15.5

**Laboratory ID:** T172037-08

No Results Detected

**Sample ID:** B-16-4.0

**Laboratory ID:** T172037-09

No Results Detected

**Sample ID:** B-16-7.5

**Laboratory ID:** T172037-10

No Results Detected

**Sample ID:** B-16-11.5

**Laboratory ID:** T172037-11

No Results Detected

**Sample ID:** B-16-13.5

**Laboratory ID:** T172037-12

No Results Detected

**Sample ID:** B-14-GW

**Laboratory ID:** T172037-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**Sample ID:** B-14-GW

**Laboratory ID:** T172037-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Benzene	1.3	0.50		ug/l	EPA 8260B	
C6-C12 (GRO)	57	50		ug/l	EPA 8260B	

**Sample ID:** B-15-GW

**Laboratory ID:** T172037-14

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C6-C12 (GRO)	53	50		ug/l	EPA 8260B	

**Sample ID:** B-16-GW

**Laboratory ID:** T172037-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C6-C12 (GRO)	51	50		ug/l	EPA 8260B	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-14-3.5**  
**T172037-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		88.4 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/09/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.1 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		105 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		112 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-14-7.5**  
**T172037-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		97.3 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/09/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		60.8 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		122 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		115 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-14-11.5**  
**T172037-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		99.0 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/09/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.8 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		119 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-14-15.5**  
**T172037-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.2 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>110</b>	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.5 %	81.2-123		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		93.5 %	95.7-135		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		112 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-15-3.5**  
**T172037-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	15	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		103 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>290</b>	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.3 %	81.2-123		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		99.1 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		109 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-15-7.5**  
**T172037-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		107 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.1 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		102 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant



Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-15-11.5**  
**T172037-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	18	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		103 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
<i>m,p</i> -Xylene	ND	10	"	"	"	"	"	"	
<i>o</i> -Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>72</b>	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79.5 %	81.2-123		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		104 %	95.7-135		"	"	"	"	
Surrogate: Toluene- <i>d</i> 8		108 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-15-15.5**  
**T172037-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		87.1 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/09/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		67.6 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		134 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		115 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-16-4.0**  
**T172037-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		88.0 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		79.2 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		78.2 %	95.7-135		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		110 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-16-7.5**  
**T172037-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.6 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		65.9 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		175 %	95.7-135		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		111 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Atthowe Project Number: [none] Project Manager: Jim Gribi	<b>Reported:</b> 08/11/17 08:47
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**B-16-11.5**  
**T172037-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

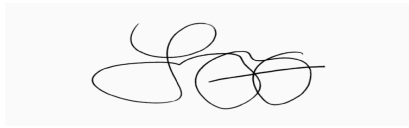
C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.3 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		72.9 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		146 %	95.7-135		"	"	"	"	S-GC
<i>Surrogate: Toluene-d8</i>		114 %	85.5-116		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-16-13.5**  
**T172037-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	10	mg/kg	1	7080429	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		88.6 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	5.0	ug/kg	1	7080414	08/09/17	08/10/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		70.5 %	81.2-123		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		131 %	95.7-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		115 %	85.5-116		"	"	"	"	

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1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-14-GW**  
**T172037-13 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	0.50	mg/l	1	7080420	08/04/17	08/08/17	EPA 8015B	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		77.8 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	1.0	ug/l	1	7080415	08/04/17	08/09/17	EPA 8260B	
<b>Benzene</b>	<b>1.3</b>	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>57</b>	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.6 %	83.5-119		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		97.1 %	81-136		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	88.8-117		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-15-GW  
T172037-14 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	0.50	mg/l	1	7080420	08/04/17	08/09/17	EPA 8015B	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		77.7 %		65-135	"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	1.0	ug/l	1	7080415	08/04/17	08/09/17	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>53</b>	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		80.5 %		83.5-119	"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		102 %		81-136	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %		88.8-117	"	"	"	"	

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Lisa Nguyen, Project Manager Assistant



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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**B-16-GW  
T172037-15 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C13-C28 (DRO)	ND	0.50	mg/l	1	7080420	08/04/17	08/09/17	EPA 8015B	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		81.2 %	65-135		"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Naphthalene	ND	1.0	ug/l	1	7080415	08/04/17	08/09/17	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>51</b>	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		78.5 %	83.5-119		"	"	"	"	S-GC
<i>Surrogate: Dibromofluoromethane</i>		105 %	81-136		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	88.8-117		"	"	"	"	

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
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Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
08/11/17 08:47

**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7080420 - EPA 3510C GC**

**Blank (7080420-BLK1)**

Prepared: 08/04/17 Analyzed: 08/08/17

C6-C12 (GRO)	ND	0.50	mg/l							
C13-C28 (DRO)	ND	0.50	"							
C29-C40 (MORO)	ND	0.50	"							
Surrogate: <i>p</i> -Terphenyl	3.17		"	4.00		79.2	65-135			

**LCS (7080420-BS1)**

Prepared: 08/04/17 Analyzed: 08/09/17

C13-C28 (DRO)	19.2	0.50	mg/l	20.0		96.0	75-125			
Surrogate: <i>p</i> -Terphenyl	3.09		"	4.00		77.3	65-135			

**LCS Dup (7080420-BSD1)**

Prepared: 08/04/17 Analyzed: 08/09/17

C13-C28 (DRO)	19.8	0.50	mg/l	20.0		98.8	75-125	2.89	20	
Surrogate: <i>p</i> -Terphenyl	3.33		"	4.00		83.2	65-135			

**Batch 7080429 - EPA 3550B GC**

**Blank (7080429-BLK1)**

Prepared: 08/04/17 Analyzed: 08/08/17

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	103		"	102		101	65-135			

**LCS (7080429-BS1)**

Prepared: 08/04/17 Analyzed: 08/08/17

C13-C28 (DRO)	580	10	mg/kg	495		118	75-125			
Surrogate: <i>p</i> -Terphenyl	82.8		"	99.0		83.6	65-135			

**Matrix Spike (7080429-MS1)**

Source: T172037-01

Prepared: 08/04/17 Analyzed: 08/08/17

C13-C28 (DRO)	590	10	mg/kg	510	ND	115	75-125			
Surrogate: <i>p</i> -Terphenyl	107		"	102		104	65-135			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7080429 - EPA 3550B GC**

**Matrix Spike Dup (7080429-MSD1)**

Source: T172037-01

Prepared: 08/04/17 Analyzed: 08/08/17

C13-C28 (DRO)	490	10	mg/kg	510	ND	95.6	75-125	18.2	20	
Surrogate: <i>p</i> -Terphenyl	82.3		"	102		80.6	65-135			

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
08/11/17 08:47

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7080414 - EPA 5030 GCMS**

**Blank (7080414-BLK1)**

Prepared: 08/04/17 Analyzed: 08/09/17

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	10	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Atthowe Project Number: [none] Project Manager: Jim Gribi	Reported: 08/11/17 08:47
--	--	-----------------------------

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 7080414 - EPA 5030 GCMS**

**Blank (7080414-BLK1)**

Prepared: 08/04/17 Analyzed: 08/09/17

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
Surrogate: 4-Bromofluorobenzene	30.7		"	39.8		77.1	81.2-123			S-GC
Surrogate: Dibromofluoromethane	44.2		"	39.8		111	95.7-135			
Surrogate: Toluene-d8	43.2		"	39.8		108	85.5-116			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
08/11/17 08:47

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7080414 - EPA 5030 GCMS**

**LCS (7080414-BS1)**

Prepared: 08/04/17 Analyzed: 08/10/17

Chlorobenzene	99.1	5.0	ug/kg	99.0	100	75-125				
1,1-Dichloroethene	114	5.0	"	99.0	115	75-125				
Trichloroethene	96.7	5.0	"	99.0	97.6	75-125				
Benzene	114	5.0	"	99.0	115	75-125				
Toluene	103	5.0	"	99.0	104	75-125				
Surrogate: 4-Bromofluorobenzene	43.3		"	39.6	109	81.2-123				
Surrogate: Dibromofluoromethane	50.7		"	39.6	128	95.7-135				
Surrogate: Toluene-d8	39.8		"	39.6	100	85.5-116				

**LCS Dup (7080414-BS1)**

Prepared: 08/04/17 Analyzed: 08/10/17

Chlorobenzene	99.8	5.0	ug/kg	100	99.8	75-125	0.645	20		
1,1-Dichloroethene	109	5.0	"	100	109	75-125	4.71	20		
Trichloroethene	96.2	5.0	"	100	96.2	75-125	0.449	20		
Benzene	112	5.0	"	100	112	75-125	1.16	20		
Toluene	100	5.0	"	100	100	75-125	2.54	20		
Surrogate: 4-Bromofluorobenzene	44.5		"	40.0	111	81.2-123				
Surrogate: Dibromofluoromethane	54.4		"	40.0	136	95.7-135				S-GC
Surrogate: Toluene-d8	39.6		"	40.0	98.9	85.5-116				

**Batch 7080415 - EPA 5030 GCMS**

**Blank (7080415-BLK1)**

Prepared: 08/04/17 Analyzed: 08/09/17

Naphthalene	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: 4-Bromofluorobenzene	6.30		"	8.00	78.8	83.5-119				S-GC
Surrogate: Dibromofluoromethane	7.97		"	8.00	99.6	81-136				

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

Reported:  
08/11/17 08:47

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7080415 - EPA 5030 GCMS**

**Blank (7080415-BLK1)**

Prepared: 08/04/17 Analyzed: 08/09/17

Surrogate: Toluene-d8	8.11		ug/l	8.00		101	88.8-117			
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**LCS (7080415-BS1)**

Prepared: 08/04/17 Analyzed: 08/09/17

Chlorobenzene	19.1	1.0	ug/l	20.0		95.4	75-125			
1,1-Dichloroethene	18.9	1.0	"	20.0		94.6	75-125			
Trichloroethene	18.2	1.0	"	20.0		91.0	75-125			
Benzene	20.7	0.50	"	20.0		104	75-125			
Toluene	18.4	0.50	"	20.0		92.0	75-125			
Surrogate: 4-Bromofluorobenzene	8.58		"	8.00		107	83.5-119			
Surrogate: Dibromofluoromethane	8.76		"	8.00		110	81-136			
Surrogate: Toluene-d8	7.74		"	8.00		96.8	88.8-117			

**LCS Dup (7080415-BS1)**

Prepared: 08/04/17 Analyzed: 08/09/17

Chlorobenzene	19.2	1.0	ug/l	20.0		96.0	75-125	0.522	20	
1,1-Dichloroethene	20.9	1.0	"	20.0		104	75-125	9.90	20	
Trichloroethene	18.6	1.0	"	20.0		92.8	75-125	1.90	20	
Benzene	22.5	0.50	"	20.0		112	75-125	8.20	20	
Toluene	18.5	0.50	"	20.0		92.4	75-125	0.380	20	
Surrogate: 4-Bromofluorobenzene	8.26		"	8.00		103	83.5-119			
Surrogate: Dibromofluoromethane	8.47		"	8.00		106	81-136			
Surrogate: Toluene-d8	7.59		"	8.00		94.9	88.8-117			

SunStar Laboratories, Inc.



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Lisa Nguyen, Project Manager Assistant

Gribi Associates  
1090 Adam Street, Suite K  
Benicia CA, 94510

Project: Atthowe  
Project Number: [none]  
Project Manager: Jim Gribi

**Reported:**  
08/11/17 08:47

### Notes and Definitions

S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

---

SunStar Laboratories, Inc.

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---

Lisa Nguyen, Project Manager Assistant



T172037

**SUNSTAR LABORATORIES**

25712 COMMERCENTRE DRIVE  
LAKE FOREST, CA 92630

Website: [www.SUNSTARLABS.com](http://www.SUNSTARLABS.com) Email: john@sunstarlabs.com  
Telephone: (949) 297-5020 Fax: (949) 297-5027

**CHAIN OF CUSTODY RECORD**

**TURN AROUND TIME**

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Report To: James Gribi Bill To:

Company: Gribi Associates

1090 Adams Street, Suite K

Benicia, CA 94510

E-Mail:

Tele: (707) 748-7743

Fax: (707) 748-7763

Client Name: *Atthowe*

Global ID: *T0600101187*

Project Name: *Atthowe*

Sampler Signature: *[Signature]*

**Analysis Request**

**Other**

Filter Samples for Metals analysis: Yes / No

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				TPH-Gas, BTEX, MTBE (8015M/8021B)	TPH-Gas (8015M)	TPH-Diesel (8015M)	TPH-Motor Oil (8015M)	TPH-Gas, BTEX, MTBE (8260B)	TPH-Gas, BTEX, 5 Oxygenates (8260B)	TPH-Gas, BTEX, 7 Oxygenates (8260B)	5 Oxygenates (8260B)	Lead Scavengers [1,2 DCA & 1,2 EDB] (8260B)	VOC's - Full List (8260B)	Halogenated VOC's (8260B)	SVOC's (8270)	<i>Naphthalene (8260)</i> <i>TPH Carbon Chain (8015)</i>									
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO <sub>3</sub>	Other																						
01	B-14-3.5	<i>8/02</i>	<i>1200</i>	<i>1</i>		X													X																	
02	B-14-7.5		<i>1205</i>	<i>1</i>		X													X																	
03	B-14-11.5		<i>1215</i>	<i>1</i>		X													X																	
04	B-14-15.5		<i>1225</i>	<i>1</i>		X													X																	
05	B-15-3.5		<i>1025</i>	<i>1</i>		X													X																	
06	B-15-7.5		<i>1030</i>	<i>1</i>		X													X																	
07	B-15-11.5		<i>1040</i>	<i>1</i>		X													X																	
08	B-15-15.5		<i>1050</i>	<i>1</i>		X													X																	
09	B-16-4.0		<i>0900</i>	<i>1</i>		X													X																	
10	B-16-7.5		<i>0905</i>	<i>1</i>		X													X																	
11	B-16-11.5		<i>0915</i>	<i>1</i>		X													X																	
12	B-16-13.5		<i>0925</i>	<i>1</i>		X													X																	

Relinquished By: *[Signature]* Date: *8/02/17* Time: *1600* Received By: *Ed Stevens* Sunstarlabs

Relinquished By: *GSO* Date: *8-4-17* Time: *1605* Received By: *[Signature]*

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_

ICE/1° 5.0' COMMENTS: *GOOD CONDITION*  
*HEAD SPACE ABSENT*  
*DECHLORINATED IN LAB*  
*APPROPRIATE CONTAINERS*  
*PRESERVED IN LAB*

*Page 1 of 2*

VOAS O&G METALS OTHER  
PRESERVATION pH<2



T172037

**SUNSTAR LABORATORIES**

25712 COMMERCENTRE DRIVE  
LAKE FOREST, CA 92630

Website: [www.SUNSTARLABS.com](http://www.SUNSTARLABS.com) Email: [john@sunstarlabs.com](mailto:john@sunstarlabs.com)  
Telephone: (949) 297-5020 Fax: (949) 297-5027

**CHAIN OF CUSTODY RECORD**

TURN AROUND TIME

RUSH  24 HR  48 HR  72 HR  5 DAY

GeoTracker EDF  PDF  Excel  Write On (DW)

Report To: James Gribi Bill To:  
Company: Gribi Associates  
1090 Adams Street, Suite K  
Benicia, CA 94510 E-Mail:  
Tele: ( 707 ) 748-7743 Fax: ( 707 ) 748-7763  
Client Name: Global ID: T0600101187  
Project Name: *Atthowse*  
Sampler Signature: *[Signature]*

Analysis Request Other Comments

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				TPH-Gas, BTEX, MTBE (8015M/8021B)	TPH-Gas (8015M)	TPH-Diesel (8015M)	TPH-Motor Oil (8015M)	TPH-Gas, BTEX, MTBE (8260B)	TPH-Gas, BTEX, 5 Oxygenates (8260B)	TPH-Gas, BTEX, 7 Oxygenates (8260B)	5 Oxygenates (8260B)	Lead Scavengers [1,2 DCA & 1,2 EDB] (8260B)	VOC's - Full List (8260B)	Halogenated VOC's (8260B)	SVOC's (8270)	<i>Naphthalen (8260)</i> <i>TPH-Carbon Chem (8015)</i>	Filter Samples for Metals analysis: Yes / No				
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO <sub>3</sub>	Other																		
13 B-14-GW		8/02	1300	4		X																										
14 B-15-GW		↓	1150	4		X																										
15 B-16-GW		↓	1130	4		X																										

Relinquished By: *[Signature]* Date: 8/02/17 Time: 1600  
Received By: *Ed Stevens* Sunstar LABS  
Relinquished By: *GSO* Date: 8-4-17 Time: 1005  
Received By: *[Signature]*  
Relinquished By: Date: Time: Received By:

ICE/1° 5.0°  
GOOD CONDITION  
HEAD SPACE ABSENT  
DECHLORINATED IN LAB  
APPROPRIATE CONTAINERS  
PRESERVED IN LAB  
VOAS O&G METALS OTHER  
PRESERVATION pH<2  
COMMENTS: *Page 2 of 2*



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T172037  
 Client Name: Gribi Project: Atthowe  
 Delivered by:  Client  SunStar Courier  GSO  FedEx  Other  
 If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_  
 Lab Received by: DM Date/Time Lab Received: 8-4-17 1005  
 Total number of coolers received: 1

Temperature: Cooler #1	<u>5.2</u>	°C +/- the CF (- 0.2°C) =	<u>5.0</u>	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>If NO:</b>				
Samples received on ice?		<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet	
If on ice, samples received same day collected?		<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet	

Custody seals intact on cooler/sample  Yes  No\*  N/A  
 Sample containers intact  Yes  No\*  
 Sample labels match Chain of Custody IDs  Yes  No\*  
 Total number of containers received match COC  Yes  No\*  
 Proper containers received for analyses requested on COC  Yes  No\*  
 Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A  
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked      Cooler/Sample Review - Initials and date: DM 8-4-17

**Comments:** \_\_\_\_\_



**Lisa**

---

**From:** James Gribi [jgribi@gribiassociates.com]  
**Sent:** Friday, August 04, 2017 11:59 AM  
**To:** Lisa  
**Cc:** Mathew Rosman; Terry Ferrell  
**Subject:** RE: [RESPONSE REQUESTED] Atthowe (T172037)

Hi Lisa, yes, we will need the EDF.

Thanks  
Jim

**James E. Gribi, PG**  
Principal / Senior Geologist  
Gribi Associates  
1090 Adams Street, Suite K  
Benicia, CA 94510

Phone: 707-748-7743  
Cell: 707-631-1505

---

**From:** Lisa [<mailto:lisa@sunstarlabs.com>]  
**Sent:** Friday, August 4, 2017 11:56 AM  
**To:** James Gribi <[jgribi@gribiassociates.com](mailto:jgribi@gribiassociates.com)>  
**Cc:** Mathew Rosman <[mrosman@gribiassociates.com](mailto:mrosman@gribiassociates.com)>; Terry Ferrell <[tferrell@gribiassociates.com](mailto:tferrell@gribiassociates.com)>  
**Subject:** [RESPONSE REQUESTED] Atthowe (T172037)

Hello Jim,

Attached to this email is the work order and chain-of-custody received 08/04/17 at 1005

Project: Attowe  
Project Number: n/a

TAT requested: standard  
Results are scheduled to be delivered by COB on: 08/11/17

Could you please confirm that an EDF is needed for this project? A geotracker was provided, but the COC was not marked for an EDF.

Please carefully review the attachments and feel free to contact me if you have any questions or concerns. Thank you for choosing Sunstar Laboratories.

**Lisa Nguyen**  
Project Manager Assistant



---

25712 Commercentre Dr., Lake Forest, CA 92630

Office: (949) 297-5020 | Fax: (949) 297-5027

CA ELAP Certification: 2250 | CA Small Business Certification: 31511

---

**WORK ORDER**

**T172037**

**Client: Gribi Associates**  
**Project: Atthowe**

**Project Manager: Lisa Nguyen**  
**Project Number: [none]**

**Report To:**

Gribi Associates  
 Jim Gribi  
 1090 Adam Street, Suite K  
 Benicia, CA 94510

Date Due: 08/11/17 17:00 (5 day TAT)

Received By: Dan Marteski

Date Received: 08/04/17 10:05

Logged In By: Dan Marteski

Date Logged In: 08/04/17 10:20

Samples Received at: 5°C  
 Custody Seals Yes Received On Ice Yes  
 Containers Intact Yes  
 COC/Labels Agree Yes  
 Preservation Confir Yes

Analysis	Due	TAT	Expires	Comments
<b>T172037-01 B-14-3.5 [Soil] Sampled 08/02/17 12:00 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 12:00	
8260	08/11/17 15:00	5	08/16/17 12:00	BTEX/OXY, GRO, Napthalene only
<b>T172037-02 B-14-7.5 [Soil] Sampled 08/02/17 12:05 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 12:05	
8260	08/11/17 15:00	5	08/16/17 12:05	BTEX/OXY, GRO, Napthalene only
<b>T172037-03 B-14-11.5 [Soil] Sampled 08/02/17 12:15 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 12:15	
8260	08/11/17 15:00	5	08/16/17 12:15	BTEX/OXY, GRO, Napthalene only
<b>T172037-04 B-14-15.5 [Soil] Sampled 08/02/17 12:25 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 12:25	
8260	08/11/17 15:00	5	08/16/17 12:25	BTEX/OXY, GRO, Napthalene only
<b>T172037-05 B-15-3.5 [Soil] Sampled 08/02/17 10:25 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 10:25	
8260	08/11/17 15:00	5	08/16/17 10:25	BTEX/OXY, GRO, Napthalene only

**WORK ORDER**

**T172037**

**Client: Gribi Associates**  
**Project: Atthowe**

**Project Manager: Lisa Nguyen**  
**Project Number: [none]**

Analysis	Due	TAT	Expires	Comments
<b>T172037-06 B-15-7.5 [Soil] Sampled 08/02/17 10:30 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 10:30	
8260	08/11/17 15:00	5	08/16/17 10:30	BTEX/OXY, GRO, Napthalene only
<b>T172037-07 B-15-11.5 [Soil] Sampled 08/02/17 10:40 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 10:40	
8260	08/11/17 15:00	5	08/16/17 10:40	BTEX/OXY, GRO, Napthalene only
<b>T172037-08 B-15-15.5 [Soil] Sampled 08/02/17 10:50 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 10:50	
8260	08/11/17 15:00	5	08/16/17 10:50	BTEX/OXY, GRO, Napthalene only
<b>T172037-09 B-16-4.0 [Soil] Sampled 08/02/17 09:00 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 09:00	
8260	08/11/17 15:00	5	08/16/17 09:00	BTEX/OXY, GRO, Napthalene only
<b>T172037-10 B-16-7.5 [Soil] Sampled 08/02/17 09:05 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 09:05	
8260	08/11/17 15:00	5	08/16/17 09:05	BTEX/OXY, GRO, Napthalene only
<b>T172037-11 B-16-11.5 [Soil] Sampled 08/02/17 09:15 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 09:15	
8260	08/11/17 15:00	5	08/16/17 09:15	BTEX/OXY, GRO, Napthalene only
<b>T172037-12 B-16-13.5 [Soil] Sampled 08/02/17 09:25 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/16/17 09:25	
8260	08/11/17 15:00	5	08/16/17 09:25	BTEX/OXY, GRO, Napthalene only
<b>T172037-13 B-14-GW [Water] Sampled 08/02/17 13:00 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/09/17 13:00	
8260	08/11/17 15:00	5	08/16/17 13:00	BTEX/OXY, GRO, Napthalene only

**WORK ORDER**

**T172037**

**Client: Gribi Associates**  
**Project: Atthowe**

**Project Manager: Lisa Nguyen**  
**Project Number: [none]**

Analysis	Due	TAT	Expires	Comments
<b>T172037-14 B-15-GW [Water] Sampled 08/02/17 11:50 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/09/17 11:50	
8260	08/11/17 15:00	5	08/16/17 11:50	BTEX/OXY, GRO, Napthalene only
<b>T172037-15 B-16-GW [Water] Sampled 08/02/17 11:30 (GMT-08:00) Pacific Time (US &amp;</b>				
8015 Carbon Chain	08/11/17 15:00	5	08/09/17 11:30	
8260	08/11/17 15:00	5	08/16/17 11:30	BTEX/OXY, GRO, Napthalene only