March 22, 2013

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

Attention: Mark Detterman

Subject: Report of Soil Boring and Well Installation Activities
3800 San Pablo Avenue, Emeryville, California
ACDEH Fuel Leak Case: RO00002520; Global ID: T06019788682

Ladies and Gentlemen:

Attached please find a copy of the *Report of Soil Boring and Well Installation Activities* prepared by Gribi Associates. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Very truly yours,

William H Banker Jr

William H. Banker, Jr.
San Pablo Avenue Venture
c/o Banker, Marks & Kirk
1720 Broadway, Suite 202
Oakland, CA 94612

REPORT OF SOIL BORING AND WELL INSTALLATION ACTIVITIES

3800 San Pablo Avenue
Emeryville, California
ACDEH Fuel Leak Case: RO00002520

Prepared for:

San Pablo Avenue Venture
c/o Banker, Marks & Kirk
1721 Broadway, Suite 202
Oakland, CA 94612

March 22, 2012

GRIBI ASSOCIATES

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GRIBI
ASSOCIATES

March 22, 2013

Ms. Elaine Kirk
San Pablo Avenue Venture
c/o Banker, Marks & Kirk
1721 Broadway, Suite 202
Oakland, CA 94612

Subject: Report of Soil Boring and Well Installation Activities
3800 San Pablo Avenue, Emeryville, California
ACDEH Fuel Leak Case: RO00002520; Global ID: T06019788682

Dear Ms. Kirk:

Gribi Associates is pleased to submit this *Report of Soil Boring and Well Installation Activities* for the underground storage tank (UST) site located at 3800 San Pablo Avenue in Emeryville, California (Site). This report documents the drilling and sampling of three investigative borings (B-24, B-27, and B-28) and the installation and sampling of three ozone injection wells (OW-1, OW-2, and OW-3) on the Site. These tasks were completed to provide additional site characterization and as part of the approved ozone injection pilot test.

We appreciate the opportunity to present this report for your review. Please call if you have any questions or require additional information.

Very truly yours,

James E. Gribi
Registered Geologist
California No. 5843

JEG/ct

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Gribi Associates is pleased to submit this *Report of Soil Boring and Well Installation Activities* for the underground storage tank (UST) site located at 3800 San Pablo Avenue in Emeryville, California (Site). This report documents the drilling and sampling of three investigative borings (B-24, B-27, and B-28) and the installation and sampling of three ozone injection wells (OW-1, OW-2, and OW-3) on the Site. These tasks were completed to provide additional site characterization and as part of the approved ozone injection pilot test.

Note that the approved workplan called for the drilling and sampling of five soil borings (B-24 through B-28). However, one of the borings, B-25 to be located in the San Pablo Avenue sidewalk between borings B-25 and B-28, was not drilled due to access issues related to underground utilities. Also, boring B-26, which was to be located at the approximate location of ozone well OW-1, was not drilled as a separate boring, but rather was cored as part of OW-1installation activities.

Investigative Activities and Results

Investigative borings and ozone injection wells were drilled and installed by Gregg Drilling, Inc. (C-57 License No. 485165) on February 21 and 22, 2013. Soils encountered in the borings generally consisted of clays, with relatively thin discontinuous silts and occasional clayey gravels and sands present in some of the borings below 20 feet in depth. Water-saturated soils were generally encountered in silt- and clay-dominated soils below 15 feet in depth, and rose slowly in the borings to approximately 14 feet in depth.

Slight to occasionally moderate hydrocarbon odors were encountered in relatively thin soil intervals in all borings and wells. In OW-2, slight to moderate hydrocarbon odors (with PID readings of approximately 40) were encountered in clay soils between approximately seven and 16 feet in depth. Also, moderate hydrocarbon odors (with a PID reading of 148) were noted in clay soils between approximately six feet and 10 feet in depth in B-27. In addition, moderate hydrocarbon odors (with a PID reading of 28) were noted in a thin sand zone at 15 to 16 feet in depth in B-28.

Soil samples from the three investigative borings and three well borings showed relatively low levels of gasoline-range hydrocarbons, with TPH-G concentrations ranging from nondetect to 25 mg/kg, and Benzene concentrations ranging from nondetect to 0.039 mg/kg. Groundwater samples from the three investigative borings showed low to moderate levels of gasoline-range hydrocarbons, with TPH-G concentrations ranging from nondetect to 7,900 ug/l and Benzene concentrations ranging from nondetect to 1,100 ug/l.

Conclusions

Results from this and previous investigations clearly indicate that there is no significant vadose zone soil hydrocarbon plume extant at the Site. Soil TPH-G and BTEX concentrations in soil

borings from all current and previous investigations are either nondetect or are below shallow soil Environmental Screening Levels (ESLs). Thus, it appears that: (1) Vadose zone soil hydrocarbon impacts were limited laterally; and (2) Whatever vadose zone hydrocarbon impacts were present in the past were removed during UST removal activities or during Adeline parking lot redevelopment.

Results from this and previous investigations clearly indicate that groundwater hydrocarbon impacts are limited primarily to the Adeline Street parking lot, and have not migrated appreciably south or southwest from the parking lot area. Also, the soil and grab groundwater samples from B-28, located immediately southwest from the former Apgar Street UST, showed very low TPH-G concentrations and no detectable BTEX constituents, confirming no significant environmental impacts associated with the Apgar Street UST.

1.0 INTRODUCTION

Gribi Associates is pleased to submit this *Report of Soil Boring and Well Installation Activities* for the underground storage tank (UST) site located at 3800 San Pablo Avenue in Emeryville, California (Site) (see Figure 1 and Figure 2). This report documents the drilling and sampling of three investigative borings (B-24, B-27, and B-28) and the installation and sampling of three ozone injection wells (OW-1, OW-2, and OW-3) on the Site. These tasks were completed to provide additional site characterization and as part of the approved ozone injection pilot test.

1.1 Scope of Work

Gribi Associates was contracted by San Pablo Avenue Venture to conduct the following scope of work.

- **Task 1 Conduct prefield activities.**
- **Task 2 Conduct drilling, well installation, and sampling activities.**
- **Task 3 Conduct laboratory analyses.analyses.**
- **Task 4 Prepare report of findings.**

These tasks were conducted in accordance with the approved workplan and with generally accepted sampling guidelines and protocols.

Note that the approved workplan called for the drilling and sampling of five soil borings (B-24 through B-28). However, one of the borings, B-25 to be located in the San Pablo Avenue sidewalk between borings B-25 and B-28, was not drilled due to access issues related to underground utilities. Also, boring B-26, which was to be located at the approximate location of ozone well OW-1, was not drilled as a separate boring, but rather was cored as part of OW-1installation activities.

1.2 Limitations

The services provided under this contract as described in this report include professional opinions and judgments based on data collected. These services have been provided according to generally accepted environmental protocol. The opinions and conclusions contained in this report are typically based on information obtained from:

1. Observations and measurements made by our field staff.
2. Contacts and discussions with regulatory agencies and others.
3. Review of available hydrogeologic data.

2.0 SITE BACKGROUND

2.1 General Site Description

The Site is located in a mixed commercial, light industrial, and residential area of southeast Emeryville near the Oakland/Emeryville city border. The Site is bordered to the south by Apgar Street, followed by the West MacArther Boulevard underpass. East from the Site is an auto repair facility, followed by residential properties. The Site is bordered on the west by the Adeline Street and San Pablo Avenue intersection, which extends approximately 100 feet west from the Site. North from the Site are commercial and residential properties. The Site is currently used for storage.

2.2 General Site Topography and Geologic Setting

According to the USGS Oakland, West, California 7.5-Minute Quadrangle Map, the Site lies on a gently southwest-sloping plain approximately one mile east from San Francisco Bay. The elevation at the Site is approximately 40 feet above mean sea level. Based on site topography and location, we would expect groundwater flow in the site area to generally be to the west towards San Francisco Bay.

Subsurface soils at the site and in the site area generally consist of clays, with occasional thin, discontinuous silts, sands, and gravels. Groundwater at the site is generally encountered at depths below 10 feet below surface grade.

2.3 Summary of Previous Environmental Investigation Activities

The following sections describe previous underground storage tank (UST) removal and environmental investigation activities conducted at the Site.

2.3.1 UST Removal Activities

According to previous reports and records, there were previously two separate UST fueling systems on the Site. One system included two 1,000-gallon gasoline USTs and, while the exact location of these USTs is not known, these USTs were most likely located in the parking lot on the northeast side of the Site. The second system included one 1,000-gallon heating oil UST and one 550-gallon heating oil UST, both located in, and adjacent to, the Adeline Street sidewalk on the northwest property boundary.

The gasoline UST system was apparently removed in 1981, and there is no record of environmental sampling during the removal. The two heating oil USTs were removed in May 2002. One soil sample was collected beneath each of the removed USTs at a depth of approximately seven feet in depth. These soil samples showed up to 440 milligrams per kilogram (mg/kg) of Total Petroleum Hydrocarbons as Gasoline (TPH-G). The UST excavation cavities were subsequently overexcavated, and subsequent soil samples collected at approximately ten feet in depth showed relatively low levels of hydrocarbons.

2.3.2 Site Investigation Activities

In May 2007, Enviro Soil Tech Consultants (ESTC) drilled and sampled seven soil borings, B-1 through B-7, in the small parking lot on the northwest (Adeline Street) side of the Site (see Figure 2). Soil samples collected at five-foot intervals down to 20 feet in depth showed no significant hydrocarbon detections. Grab groundwater samples from borings B-2, B-4, and B-7, located on the extreme north and south sides of the parking lot, showed no significant hydrocarbon detections. Grab groundwater samples from borings B-1, B-3, B-5, and B-6, located on the middle of the parking lot from the extreme east (building) edge to the southwest (Adeline Street) edge of the lot, showed TPH-G concentrations ranging from 4,500 micrograms per liter (ug/l) to 780,000 ug/l, and Benzene concentrations ranging from 7.5 ug/l to 6,400 ug/l. The configuration of these groundwater hydrocarbon detections seemed to point to a southwest aligned groundwater hydrocarbon plume that originated northeast of the small Adeline Street parking lot itself. This conclusion of a northeasterly source was bolstered by the lack of soil hydrocarbon detections or field evidence of shallow soil impacts in the seven soil borings.

In December 2011, Gribi Associates drilled and sampled seven investigative borings, B-8 through B-14, on the site (*Report of Soil and Groundwater Investigation and Workplan to Conduct Additional Investigation Activities, 3899 San Pablo Avenue, Emeryville, California*, Gribi Associates, January 26, 2012). Soils encountered in the borings generally consisted of clays, with relatively thin discontinuous silty and clayey gravels and sands present in some of the borings. Soil and grab groundwater samples from the seven borings were analyzed for both gasoline- and diesel-range hydrocarbons. Very low concentrations (below 50 milligrams per kilogram, mg/kg) of diesel-range hydrocarbons were encountered in soil samples below ten feet in depth in borings B-8 and B-11. Very low concentrations (below 5 mg/kg) of gasoline-range hydrocarbons were encountered in soil samples below ten feet in depth in borings B-8, B-12, B-13, and B-14. Low concentrations of gasoline-range hydrocarbons, with no BTEX constituents, were encountered in grab groundwater samples from B-8 and B-14. Moderate levels of gasoline-range hydrocarbons were encountered in grab groundwater samples from borings B-12 and B-13. Results of this investigation indicated that the previously-identified groundwater hydrocarbon plume beneath the Adeline Street parking lot is localized and did not originate from elsewhere on the Site. Further, it appeared that the source, or sources, of the groundwater hydrocarbon impacts in the Adeline Street parking lot are either the former USTs in the Adeline Street sidewalk (removed in 2002) or perhaps fuel dispensers associated with these former USTs. The report for this investigation included a workplan to: (1) The installation and monitoring of four groundwater monitoring wells in the Adeline Street parking lot; (2) The drilling and sampling of three soil borings on the west side of San Pablo Avenue, approximately 120 feet southwest from the Adeline Street parking lot.

Based on telephone and email correspondences with Mr. Mark Detterman of Alameda County Department of Environmental Health (ACEH), Gribi Associates submitted an amended investigative workplan for the Site in March 2012 (*Amended Workplan to Conduct Additional Investigation Activities, 3899 San Pablo Avenue, Emeryville, California,* Gribi Associates, March 6, 2012). This amended workplan provides results of preliminary Phase I environmental site assessment (ESA) activities and proposes additional investigative activities for the Site. Preliminary Phase I ESA activities included a review of historical Sanborn Maps, a city

directories abstract, aerial photos, and City of Emeryville records for the Site and site vicinity. Results of the historical records review indicate the following relative to Site history and environmental conditions.

- The current Site building was constructed between 1911 and 1939, and was occupied by a GMC truck sales and repair facility from at least 1950 to 1980.

- A former gasoline dispenser kiosk, labeled as "Gas & Oil" was present in the small Adeline Street parking lot directly adjacent to the site building (where the current front door to the building is located). The "Gas & Oil" label is the standard designation on Sanborn Maps for a gas station or gasoline fueling facility. Note that it is possible that the fuel dispenser island extended inside the Site building, immediately adjacent to the outside kiosk.

- The south wing of the GMC truck facility was apparently not used for truck repair activities, but rather was used for offices, parts department, and body shop.

- While the GMC truck facility was present, the southeast yard, adjacent to Apgar Street, was either not part of the facility (residences) or was used for truck parking. The northeast yard area, adjacent to 39th Street, extended further east to include the current adjacent auto repair facility and was apparently used for storage and auto painting.

- A possible dry cleaners (National French Laundry, Industrial Coat & Apron Supply, and Red Star Industrial Service Laundry) was apparently present at 1033 39th Street, approximately 150 feet northeast from the Site, from the 1920s to the 1960s.

Historical features most relevant to the currently environmental conditions on the Site include the following.

(1) The former dispenser kiosk, located adjacent to the site building in the Adeline Street parking lot, was undoubtedly the main source for the groundwater hydrocarbon plume identified in the parking lot;

(2) The southeast yard in the back of the building, adjacent to Apgar Street, was used either for residential housing or for truck parking, and does not appear to have been a suspect area relative to hydrocarbon releases on the Site; and

(3) The northeast yard in the back of the building, adjacent to 39th Street, was used as part of the truck repair operation, and, based on review of historical aerial photos and Sanborn Maps and on recollections from the site owners, it is likely that the former 1,000-gallon gasoline USTs removed in 1981 were located in the northeast yard area.

In order to address investigative data gaps, the amended workplan proposed the installation and sampling of four groundwater monitoring wells and the drilling and sampling of approximately eight onsite and offsite soil borings. This amended workplan replaced the January 26, 2012 workplan. The goal of the investigation was to complete site investigative activities as necessary to develop a Conceptual Site Model and Corrective Action Plan for the Site.

In May 2012, nine investigative borings (B-15 through B-23) were drilled and four groundwater monitoring wells (MW-1 through MW-4) were installed at the Site. Both field and laboratory analytical results from this investigation indicate a relatively small, concentrated, predominately groundwater only, gasoline-range hydrocarbon plume present beneath the Adeline Street parking lot. The report for this investigation included a Conceptual Site Model and a workplan to conduct interim remedial measures (IRMs) for the Site. The IRM workplan proposed the drilling and sampling of additional borings and the implementation of an ozone injection pilot test on the Site. This workplan was conditionally approved on November 16, 2012.

3.0 DESCRIPTION OF FIELD ACTIVITIES

Investigative borings and ozone injection wells were drilled and installed by Gregg Drilling, Inc. (C-57 License No. 485165) on February 21 and 22, 2013. All activities were conducted in accordance with applicable guidelines and statutes.

3.1 Prefield Activities

Prior to beginning field activities, a drilling permit was obtained from the Alameda County Department of Public Works, and an encroachment permit was obtained from the City of Emeryville for borings on the public right-of-way. Copies of these permits are provided in Appendix 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. Also, a private underground utility locator was retained to conducted an independent clearance of the proposed well locations.

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

3.2 Location of Borings

Well locations OW-1, OW-2, and OW-3 and boring locations B-24, B-27, and B-28 are shown on Figure 2. Ozone injection wells OW-1, OW-2, and OW-3 were sited in the previously-identified groundwater hydrocarbon plume area in the Adeline Street parking lot. These wells will allow for ozone injection throughout the groundwater hydrocarbon plume.

Soil borings B-24 and B-27 were sited in the Adeline Street sidewalk, with B-24 located south-southwest of previous boring B-5 and boring B-27 located immediately north-northeast of B-5. Boring B-28 was located immediately southwest from the former south UST location, on the southwest corner of the Site.

3.3 Drilling and Sampling of Investigative Soil Borings

The three soil borings, B-24, B-27, and B-28, were drilled to depths ranging from 20 feet to 25 feet below surface grade using direct-push coring equipment. For all borings, continuous soil cores were collected to total boring depth. The continuous soil cores were collected in a clear plastic acetate tube, nested inside a stainless steel core barrel. After each four-foot core barrel

was brought, a portion of the soil core contained in the acetate liner was removed for preservation and laboratory analysis. Teflon tape was placed over both ends of the sample core and sealed with plastic end-caps. The samples were then labeled and placed in cold storage pending transport to a laboratory. Following sample collection, the core was sliced lengthwise to expose the soil core, examined, logged, and field screened for hydrocarbons by a qualified geologist using sight, smell and PID. Soil boring logs for the three soil borings are included in Appendix B.

One grab groundwater sample was collected from each of the three borings. Open hole grab groundwater samples were collected by placing 3/4-inch diameter PVC well casing in the boring and allowing groundwater to enter the casing. Groundwater was then sampled using a clean small diameter bailer and poured directly into laboratory-supplied containers. Each sample container was then 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 liquinox solution, and finally with distilled water. Soil cuttings were contained onsite in sealed drums pending laboratory results. After completion, the nine soil borings were grouted to match existing surface grade using a cement\sand slurry.

3.4 Drilling, Installation, and Sampling of Ozone Injection Wells

Ozone injection wells OW-1, OW-2, and OW-3 were drilled to approximately 28 feet in depth using both direct-push coring tools (for lithologic logging and soil sampling) and hollow stem auger equipment (well installation activities). Soils were first cored, logged and sampled using direct-push coring equipment as described in the previous section of this report. The soil boring logs for these wells are included in Appendix B. During coring and sampling activities, all sampling equipment were thoroughly cleaned and decontaminated between each sample collection by triple rinsing as described previously in this report.

The three ozone injection wells were installed using hollow stem auger equipment and were constructed using 3/4-inch diameter Schedule 80 threaded PVC casing. Each of the three wells was installed according to the following general specifications: (1) The well boring was drilled to approximately 28 feet in depth; (2) A one foot long microporous silica-bonded diffuser was placed at or near the base of the well boring; (3) As the hollow stem augers were removed slowly, filter sand was placed around the well casing to approximately 21 feet in depth; (4) A three-foot bentonite seal was placed above the filter sand using time release bentonite pellets; and (5) The remaining annulus was grouted using a cement/sand slurry (bentonite less than 5 percent) to approximate surface grade. The top of the well was enclosed in a traffic-rated locking box set in concrete slightly above grade. Well construction details are summarized on the boring logs in Appendix B. All downhole drilling equipment, including auger and drill bit, was steam cleaned before and after drilling the well boring. All soil cuttings and steam cleaning rinseate were contained in sealed drums pending laboratory results.

3.5 Laboratory Analysis of Soil and Water Samples

A total of ten soil samples and three water samples from the three investigative borings and three well borings were analyzed for the following parameters:

USEPA 8260B Total Petroleum Hydrocarbons as Gasoline (TPH-G)
USEPA 8260B Volatile Organic Compounds (VOCs)

All samples were analyzed by Sunstar Labs, a state-certified laboratory, with standard turn around on laboratory results.

4.0 RESULTS OF INVESTIGATION

4.1 General Subsurface Conditions

Soil boring logs for the three investigative borings and three ozone injection wells are contained in Appendix B. Soils encountered in the borings generally consisted of clays, with relatively thin discontinuous silts and occasional clayey gravels and sands present in some of the borings below 20 feet in depth. Water-saturated soils were generally encountered in silt- and clay-dominated soils below 15 feet in depth, and rose slowly in the borings to approximately 14 feet in depth.

Slight to occasionally moderate hydrocarbon odors were encountered in relatively thin soil intervals in all borings and wells. In OW-2, slight to moderate hydrocarbon odors (with PID readings of approximately 40) were encountered in clay soils between approximately seven and 16 feet in depth. Also, moderate hydrocarbon odors (with a PID reading of 148) were noted in clay soils between approximately six feet and 10 feet in depth in B-27. In addition, moderate hydrocarbon odors (with a PID reading of 28) were noted in a thin sand zone at 15 to 16 feet in depth in B-28.

4.2 Results of Laboratory Analyses

Soil and groundwater laboratory analytical results are summarized in Table 1, and on Figure 3. The laboratory data reports and chain of custody records are contained in Appendix C.

Soil samples from the three investigative borings and three well borings showed relatively low levels of gasoline-range hydrocarbons, with TPH-G concentrations ranging from nondetect to 25 mg/kg, and Benzene concentrations ranging from nondetect to 0.039 mg/kg. Groundwater samples from the three investigative borings showed low to moderate levels of gasoline-range hydrocarbons, with TPH-G concentrations ranging from nondetect to 7,900 ug/l and Benzene concentrations ranging from nondetect to 1,100 ug/l.

5.0 CONCLUSIONS

Results from this and previous investigations clearly indicate that there is no significant vadose zone soil hydrocarbon plume extant at the Site. Soil TPH-G and BTEX concentrations in soil borings from all current and previous investigations are either nondetect or are below shallow soil Environmental Screening Levels (ESLs). Thus, it appears that: (1) Vadose zone soil

hydrocarbon impacts were limited laterally; and (2) Whatever vadose zone hydrocarbon impacts were present in the past were removed during UST removal activities or during Adeline parking lot redevelopment.

Results from this and previous investigations clearly indicate that groundwater hydrocarbon impacts are limited primarily to the Adeline Street parking lot, and have not migrated appreciably south or southwest from the parking lot area. Also, the soil and grab groundwater samples from B-28, located immediately southwest from the former Apgar Street UST, showed very low TPH-G concentrations and no detectable BTEX constituents, confirming no significant environmental impacts associated with the Apgar Street UST.

TABLES

Table 1
CUMULATIVE SOIL AND GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Sample Matrix	Sample Depth	Soil1 concentrations in milligrams per kilogram (mg/kg) *Groundwater concentrations in micrograms per liter (ug/l)*						
			TPH-G	B	T	E	X	OXY	OTHER VOCs
Enviro Soil Tech Consultants, May 2007									
B-1-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-1-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-1-15	Soil	15 feet	<0.5	**0.030**	<0.005	**0.022**	<0.010	NA	**n-Propylbenzene: 0.010** **Naphthalene: 0.0062**
B-1-20	Soil	20 feet	**7.7**	**0.085**	<0.005	**0.026**	**0.015**	NA	**1,2,4-Trimethylbenzene: 0.019** **1,3,5-Trimethylbenzene: 0.0071** **n-Propylbenzene: 0.0055** **Naphthalene: 0.014**
B-1-W	*Water*	*20 feet*	***54,000***	***6,700***	***120***	***3,000***	***2,300***	NA	***1,2,4-Trimethyl benzene: 2.800*** ***1,3,5-Trimethyl benzene: 0.910*** ***Isopropyl benzene: 0.110***
B-2-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-20	Soil	20 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-W	*Water*	*20 feet*	*<50*	*<0.5*	*<0.5*	*<0.5*	*0.5*	NA	ND
B-3-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-20	Soil	20 feet	**7.5**	<0.005	<0.005	<0.005	<0.010	NA	**Acetone: 0.110**
B-3-W	*Water*	*20 feet*	***4,500***	***7.5***	*<2.5*	***2.7***	*<2.5*	NA	***1,2-Dichloroethane: 0.0026*** ***Isopropylbenzene: 0.055*** ***n-Butylbenzene: 0.031*** ***n-Propylbenzene: 0.071***
B-4-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-20	Soil	20 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-W	*Water*	*20 feet*	*<100*	*<0.5*	*<0.5*	***0.55***	*<0.5*	NA	ND
B-5-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-20	Soil	20 feet	**7.5**	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-W	*Water*	*20 feet*	***780,000***	***240***	*<50*	***1,400***	***640***	NA	***1,2,4-Trimethylbenzene: 1.100*** ***Isopropylbenzene: 0.150*** ***n-Propylbenzene: 0.610***

Table 1
CUMULATIVE SOIL AND GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Sample Matrix	Sample Depth	Soil1 concentrations in milligrams per kilogram (mg/kg) *Groundwater concentrations in micrograms per liter (ug/l)*						
			TPH-G	**B**	**T**	**E**	**X**	**OXY**	**OTHER VOCs**
B-6-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-6-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-6-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	**n-Propylbenzene: 0.0086**
B-6-20	Soil	20 feet	**1.1**	**0.0071**	<0.005	**0.068**	<0.010	NA	**1,2,4-Trimethylbenzene: 0.0082** **1,3,5-Trimethyl benzene: 0.006** **Isopropylbenzene: 0.0083** **n-Propyl benzene: 0.013** **Naphthalene: 0.0055**
B-6-W	*Water*	*20 feet*	***44,000***	***3,000***	***120***	***2,200***	***1,200***	NA	***1,2,4-Trimethylbenzene: 2.200*** ***1,3,5-Trimethylbenzene: 0.720*** ***Isopropylbenzene: 0.110*** ***n-Propylbenzene: 0.520***
B-7-5	Soil	5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-10	Soil	10 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-15	Soil	15 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-20	Soil	20 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-W	*Water*	*20 feet*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<0.50*	*NA*	***1,2-Dichloroethane: 0.0032***
Gribi Associates, December 2011									
B-8-6.0	Soil	6.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-8-9.0	Soil	9.0 feet	**4.0**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-8-14.0	Soil	14.0 feet	**22**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-8-W	*Water*	*(15-20')*	***68***	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-9-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-11.0	Soil	11.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-16.0	Soil	16.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-W	*Water*	*(16-21')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-10-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-13.5	Soil	13.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-20.5	Soil	20.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-W	*Water*	*(16-21')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-11-10.5	Soil	10.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-15.0	Soil	15.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-20.0	Soil	20.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-W	*Water*	*(17-22')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*

Table 1
CUMULATIVE SOIL AND GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Sample Matrix	Sample Depth	Soil1 concentrations in milligrams per kilogram (mg/kg) *Groundwater concentrations in micrograms per liter (ug/l)*						
			TPH-G	**B**	**T**	**E**	**X**	**OXY**	**OTHER VOCs**
B-12-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-10.5	Soil	10.5 feet	**1.2**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-17.5	Soil	17.5 feet	**2.9**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-22.0	Soil	22.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-W	*Water*	*(18-23')*	***3,200***	***46***	***0.96***	***12***	*<1.0*	*All ND*	*NA*
B-13-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-12.5	Soil	12.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-14.5	Soil	14.5 feet	**2.0**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-20.0	Soil	20.0 feet	**3.9**	<0.005	<0.005	**0.070**	<0.010	NA	NA
B-13-W	*Water*	*(18-23')*	***9,100***	***270***	***4.0***	***390***	***52.4***	*All ND*	*NA*
B-14-8.0	Soil	8.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-12.0	Soil	12.0 feet	**1.6**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-15.5	Soil	15.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-20.5	Soil	20.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-W	*Water*	*(18-23')*	***0.094***	*<0.50*	*<1.0*	*<1.0*	*<1.0*	*All ND*	*NA*
Gribi Associates, May 2012									
B-15-12.0	Soil	12.0 feet	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-15-W	*Water*	*(21-24 ft)*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	***1,2-Dichloroethane: 1.4***	*NA*
B-16-13.5	Soil	13.5 feet	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-16-W	*Water*	*(24 ft)*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	***1,2-Dichloroethane: 1.0***	*NA*
B-17-11.5	Soil	11.5	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-17-W	*Water*	*(12 ft)*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-18-13.0	Soil	13.0	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-18-19.0	Soil	19.0	**1.4**	<0.005	**0.013**	<0.005	<0.010	NA	NA
B-18-23.0	Soil	23.0	**0.63**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-18-W	*Water*	*(13-24')*	***560***	*<0.50*	*<0.50*	*<0.50*	*<1.0*	***Sec-Butylbenzene: 1.6 Naphthalene: 2.5 1,2,4-Trimethylbenzene: 1.3***	*NA*
B-19-17.5	Soil	17.5	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-19-W	*Water*	*(13-24')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-20-20.0	Soil	20.0	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-20-W	*Water*	*(17-23')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*NA*	*NA*
B-21-14.5	Soil	14.5	**0.52**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-21-16.0	Soil	16.0	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-21-W	*Water*	*(15-23')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*NA*	*NA*

Table 1
CUMULATIVE SOIL AND GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

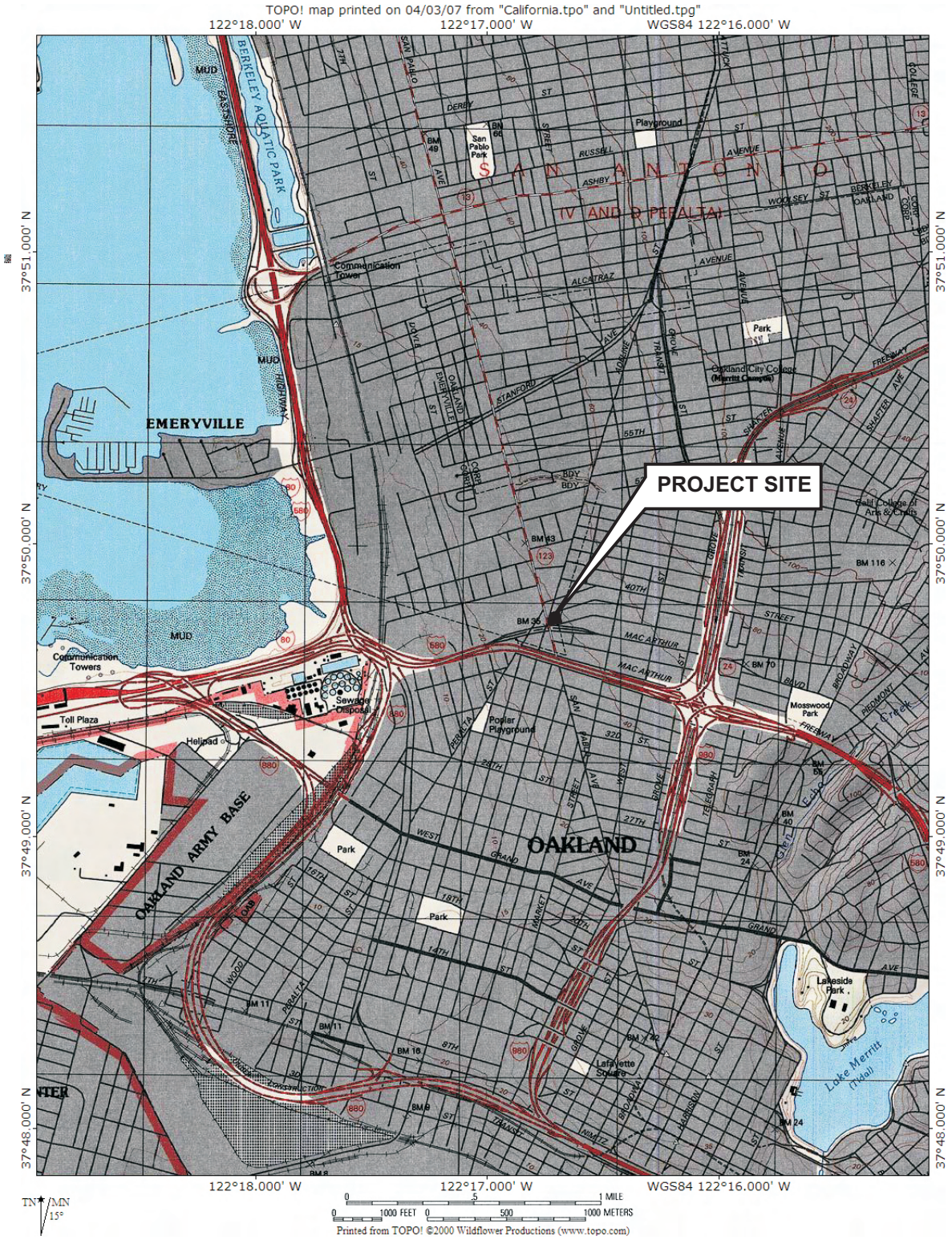
Sample ID	Sample Matrix	Sample Depth	Soil1 concentrations in milligrams per kilogram (mg/kg) *Groundwater concentrations in micrograms per liter (ug/l)*						
			TPH-G	**B**	**T**	**E**	**X**	**OXY**	**OTHER VOCs**
B-22-17.0	Soil	17.0	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-22-W	*Water*	*(24-31')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*NA*	*NA*
B-23-11.0	Soil	11.0	**0.70**	<0.005	<0.005	<0.005	<0.010	NA	NA
Gribi Associates, February 2013									
B-24-9.0	Soil	9.0 feet	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-24-15.0	Soil	15.0 feet	**1.3**	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-24-W	*Water*	*(24')*	*<50*	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
B-27-7.0	Soil	7.0 feet	**25**	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-27-15.5	Soil	15.5 feet	**4.4**	**0.0056**	<0.005	**0.120**	**0.008**	All ND	NA
B-27-W	*Water*	*(24')*	***7,900***	***1,100***	***99***	***1,500***	***1,169***	*All ND*	*NA*
B-28-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-28-15.5	Soil	15.5 feet	**16**	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-28-W	*Water*	*(20')*	***910***	*<0.50*	*<0.50*	*<0.50*	*<1.0*	*All ND*	*NA*
OW-1-7.5	Soil	7.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
OW-1-15.0	Soil	15.0 feet	**7.4**	**0.039**	<0.005	**0.190**	**0.013**	All ND	NA
OW-1-17.0	Soil	17.0 feet	**18**	**0.013**	<0.005	**0.120**	**0.0074**	All ND	NA
OW-1-25.0	Soil	25.0 feet	**6.5**	**0.014**	<0.005	**0.047**	**0.011**	All ND	NA
OW-2-7.5	Soil	7.5 feet	**7.7**	<0.005	<0.005	<0.005	<0.010	NA	NA
OW-2-15.5	Soil	15.5 feet	**2.5**	<0.005	<0.005	**0.0084**	<0.010	NA	NA
OW-3-7.5	Soil	7.5 feet	**1.1**	<0.005	<0.005	<0.005	<0.010	NA	NA
OW-3-15.5	Soil	15.5 feet	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
Shallow Soil ESL			**83**	**0.044**	**2.9**	**3.3**	**2.3**		Various
Groundwater ESL.			***100***	***1.0***	***40***	***30***	***20***		*Various*

Table Notes:

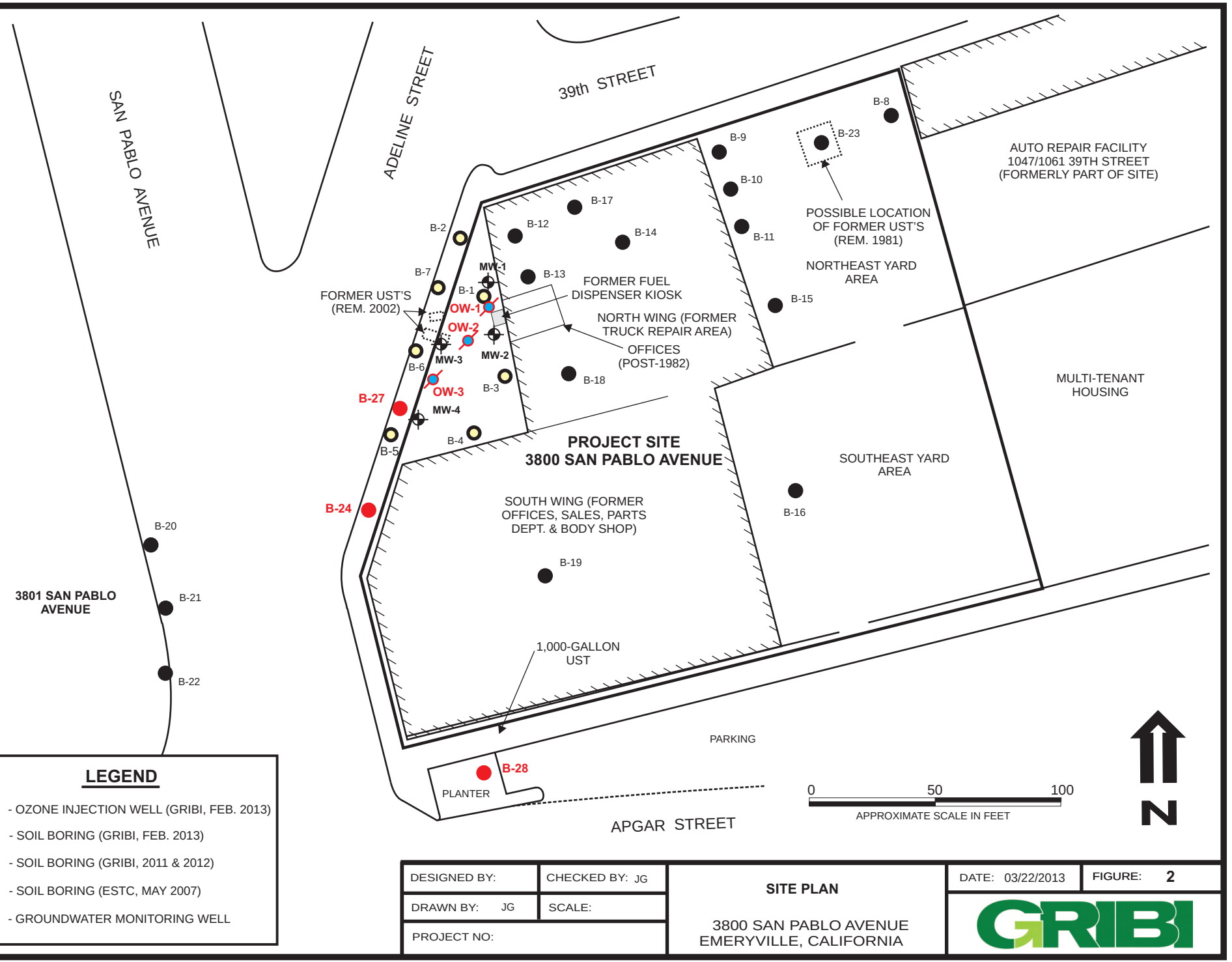
TPH-G = Total petroleum hydrocarbons as gasoline
OXY = Oxygenates, including Ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Methyl Tertiary Butyl Ether (MTBE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME)
NA = Not analyzed for this analyte.
<0.5 = Not detected above the expressed detection level.

ND = Not detected above laboratory detection limits
All ND = No detectable concentrations of full list of constituents ESL = Environmental Screening Levels, as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, San Francisco Bay Regional Water Quality Control Board, Interim Final, May 2008.

FIGURES



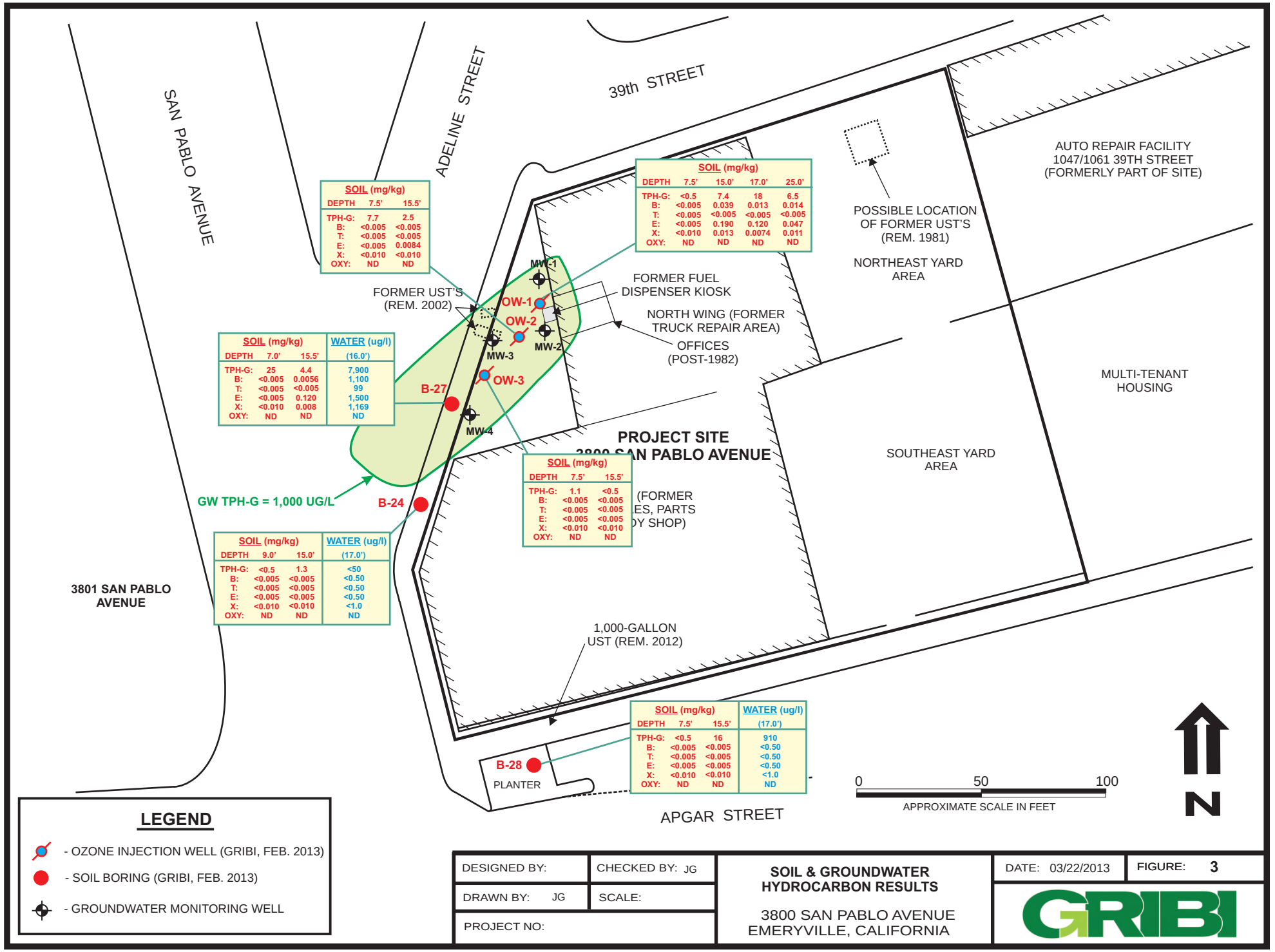
DESIGNED BY:	CHECKED BY:	**SITE VICINITY MAP**	DATE: 03/22/2013	FIGURE: 1
DRAWN BY: JG	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



LEGEND

- OZONE INJECTION WELL (GRIBI, FEB. 2013)
- SOIL BORING (GRIBI, FEB. 2013)
- SOIL BORING (GRIBI, 2011 & 2012)
- SOIL BORING (ESTC, MAY 2007)
- GROUNDWATER MONITORING WELL

DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 03/22/2013
DRAWN BY: JG	SCALE:	3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA	FIGURE: 2
PROJECT NO:			GRIBI



DESIGNED BY:	CHECKED BY: JG	**SOIL & GROUNDWATER HYDROCARBON RESULTS**	DATE: 03/22/2013
DRAWN BY: JG	SCALE:	3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA	FIGURE: 3
PROJECT NO:			GRIBI

APPENDIX A

REGULATORY PERMITS

City of Emeryville • Department of Public Works
Encroachment Permit

APPLICANT Gribi Associates
CONTACT PERSON James Gribi
ADDRESS 1090 Adams Street, Benicia, CA 94510
PHONE 707-748-7743
FAX 707-748-7763

OWNER/DEVELOPER OF FACILITIES
Elain Kirk (Marks Management Co.)Sout
ADDRESS 505 Sansome St, Suite 1400,
PHONE San Francisco, CA 94111
FAX

CONTRACTOR PERFORMING WORK
Gregg Drilling & Testing, Inc.
CONTACT PERSON Chris Pruner
ADDRESS 950 Howe Rd, Martinez, CA 94553
PHONE 925-313-5800 FAX 925-313-0302
LICENSE NO. 485165 CLASS C-57
☒Yes ☐No CURRENT CITY BUSINESS LICENSE ON FILE
☐Yes ☐No PROVIDE PROOF OF INSURANCE

Permit No. 2121137 Date 12-10-12
Application Fee.....$ 167 —
Long Term Permit Fee, Beyond 30 days $
"No Parking Signs" Qty Total.....$
Permit Inspection Deposit (2 hr. min.)....$ 202
Cost Recovery Estimate.....$
Arborist Recovery Estimate.....$
Required Security Deposit:
☑ $1,000 cash.....$ 1,000 —
☐ $10,000 Bond, Bond #
☐ 100% Perf. Bond,
Bond Value: Bond #
Total Payment Required.....$ 1369 —
Received: DW Date 12/14/12
Receipt # 03-17841
Failure to obtain approval of a Final Inspection of the work covered by this Encroachment Permit within one (1) year of the estimated completion date shall result in the loss of the security deposit which shall be retained by the City of Emeryville.

EST. START DATE 01/09/13 EST. COMPLETION DATE 01/09/13 EST. COST IN CITY R/W $2,000

LOCATION OF WORK North bounds of Adeline Street and San Pablo Avenue, in front of 3800 San Pablo Avenue.

CHECK ALL THAT APPLY
☐ Traffic Control ☐Survey ☐ Sidewalk Detour ☐Dumpster ☐Temporary No Parking ☐ Private Facilities on Public Right of Way ☐ Construction ☐ Sidewalk ☐ Driveway Approach ☐Curb & Gutter ☐Pedestrian Ramp ☐Water Service ☐Gas Service ☐Electric Service ☐Roof Drain ☐Utility Maintenance ☐Fence ☒ Excavation ☐ Obstruction ☐Access Road ☐Monitoring Well ☐ Sewer Lateral ☐ Storm Drain ☐Crane ☐Block Party

FULLY DESCRIBE PROPOSED WORK WITHIN CITY RIGHT-OF-WAY (additional space on reverse if needed):
Attach 3 complete sets of plans 8 ½ X 11, if applicable.

Four soil borings (B-24, B-25, B-27, & B-28) will be drilled to 23 feet in depth using direct-push coring equipment. Continuous soil cores will be collected to total boring depth, and portion of the soil cores will be removed for preservation and laboratory analysis. One grab groundwater sample will be collected from each of the borings. After completion, the four soil borings will be grouted to match surface grade.

I hereby agree to protect and indemnify the City of Emeryville and hold it harmless in every way from all claim or suits for injury or damage to persons or property as set forth in the Standard Provisions. I agree not to begin construction until all materials to be used are on hand; to perform all work in accordance with the plans submitted (if any), the Standard Provisions to Encroachment Permit, and all applicable Special Conditions of Approval, and to pay all inspection and engineering costs in addition to those paid at the time of issuance of this permit. I further agree to complete the work to the satisfaction of the City Engineer and if for any reason the City of Emeryville is required to complete this work, I will pay all costs for such work.

Applicant Signature _____ Date 12/5/12

After final inspection is approved, please contact the Public Works Department at 510-596-4330 to determine final cost, and for final payment or reimbursement of deposit.

FOR CITY USE ONLY ○*Temporary Permit* #_____*days* ○*Long Term Permit*

The following documents are attached and incorporated into this permit and have been given to the applicant:
□ Standard Provisions to Encroachment Permit □ Special Conditions of Approval
□ City Standard Details (List Details) □ Handout, Urban Runoff BMP's

□Other_____
Remarks_____

□ 48 HOUR NOTICE PRIOR TO START OF WORK,
□ PROVIDE CONSTRUCTION SCHEDULE 5 DAYS PRIOR TO START OF WORK
□ AS-BUILT PLANS REQUIRED
☒ PLEASE CALL FOR INSPECTION AT 510-596-4333 Ref. Dennis 815-1162
□ PLEASE NOTIFY POLICE (510-596-3700) AND FIRE (510-596-3750) 24 HOURS IN ADVANCE.
This permit is void unless the work is completed before Feb 1, 2013
This permit is to be strictly construed and no other work than is specifically mentioned is hereby authorized.
APPROVED _____ TITLE Sr Civil Eng DATE 12/7/12
FINAL INSPECTION APPROVED _____ TITLE _____ DATE _____

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: 12/12/2012 By jamesy

Permit Numbers: W2012-0846 to W2012-0847
Permits Valid from 01/09/2013 to 01/11/2013

Application Id: 1355254284054
City of Project Site: Emeryville
Site Location: 3800 San Pablo Avenue, Emeryville, CA
Project Start Date: 01/09/2013
Completion Date: 01/11/2013

Assigned Inspector: Contact Vicky Hamlin at (510) 670-5443 or vickyh@acpwa.org

Applicant: Gribi - James Gribi
1090 Adams St, Ste K, Benecia, CA 94510
Phone: 707-748-7743

Property Owner: Banker, Marks & Kirk
1721 Broadway, Suite 202, Oakland, CA 94612
Phone: 510-271-0600

Client: ** same as Property Owner **

Total Due: $530.00
Receipt Number: WR2012-0395 **Total Amount Paid:** $530.00
Payer Name : Gribi Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Remediation Well Construction-Injection - 3 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: hstem **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2012-0846	12/12/2012	04/09/2013	OW1	8.00 in.	0.75 in.	23.00 ft	26.00 ft
W2012-0846	12/12/2012	04/09/2013	OW2	8.00 in.	0.75 in.	23.00 ft	26.00 ft
W2012-0846	12/12/2012	04/09/2013	OW3	8.00 in.	0.75 in.	23.00 ft	26.00 ft

Specific Work Permit Conditions

1. 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.

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

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.

6. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).

7. Minimum surface seal thickness is two inches of cement grout placed by tremie.

8. 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.

9. 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.

Borehole(s) for Investigation-Environmental/Monitorinig Study - 4 Boreholes
Driller: Gregg - Lic #: 485165 - Method: hstem **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2012-0847	12/12/2012	04/09/2013	4	2.50 in.	23.00 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 Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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. 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.

6. 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.

APPENDIX B

SOIL BORING LOGS

LOG OF SOIL BORING

BORING NUMBER : **B-24**

BORING LOCATION:
ADELINE STREET SIDEWALK

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/21/2013

COMPLETION DATE: 02/22/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 24.0 FEET

GROUNDWATER DEPTH: 21.6 FEET

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
					CL	0.0 - 1.0 ft. Brick/concrete & base gravel.
					CL	1.0 - 3.0 ft. **Clay (CL)** Dark grey, moist, stiff, no odor or staining.
5					CL	3.0 - 9.5 ft. **Silty Clay (CL)** Grey-brown, moist, slightly sandy, stiff, moderate to very silty/sandy at 6-7', no odor or staining.
	B-24-9.0	9.0 FT.		PID = 0		
10					CL	9.5 - 17.0 ft. **Clay (CL)** Grey-brown, moist, stiff to very stiff, slightly silty, some coarse sand, slight hydrocarbon odor/staining at 13-16'.
	B-24-14.0	14.0 FT.		PID = 4		
15						
					CL	17.0 - 21.0 ft. **Silty Clay (CL)** Mottled grey-brown, very moist to wet, soft, slightly to moderately sandy - very fine grain, some coarse sand at 19.5-20', slight hydrocarbon odor/staining to 19'.
20					ML	21.0 - 24.0 ft. **Clayey Silt (ML)** Brown, wet, soft, slightly sandy - very fine grain, no odor or staining.
25						TOTAL DEPTH: 24.0 FEET
						GROUNDWATER WAS SLOW TO COME INTO OPEN BOREHOLE. COLLECTED GRAB GROUNDWATER SAMPLE B-24-W AFTER ALLOWING HOLE TO REMAIN OPEN 24-HOURS
30						

LOG OF SOIL BORING

BORING NUMBER : **B-27**

BORING LOCATION:
ADELINE STREET SIDEWALK

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/21/2013

COMPLETION DATE: 02/22/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 24.0 FEET

GROUNDWATER DEPTH: NOT MEASURED

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
0						0.0 - 1.0 ft. Concrete & base gravel.
						1.0 - 3.0 ft. **Clay (CL)** Dark grey, moist, stiff, no odor or staining.
5	B-27-7.0	7.0 FT.		PID = 148	CL	3.0 - 10.0 ft. **Silty Clay (CL)** Grey, moist, slightly sandy - very fine grain, stiff, hydrocarbon odor begins at 6'.
10					CL	10.0 - 15.0 ft. **Clay (CL)** Brown, slight moisture, very slight hydrocarbon odor
15	B-24-14.0	14.0 FT.		PID = 4	CL	15.0 - 16.0 ft. **Sandy Clay (CL)** Brown, moist, angular, cemented, slight hydrocarbon odor.
					CL	16.0 - 21.0 ft. **Silty Clay (CL)** Brown, wet, soft to medium stiff, slightly sandy - very fine grain, slight hydrocarbon odor.
20					ML	21.0 - 24 ft. **Clayey Silt (ML)** Brown, wet, soft, slightly sandy, very fine grained, no hydrocarbon odors or staining.
25						TOTAL DEPTH: 24.0 FEET
						GROUNDWATER WAS SLOW TO COME INTO OPEN BOREHOLE. COLLECTED GRAB GROUNDWATER SAMPLE B-27-W AFTER ALLOWING HOLE TO REMAIN OPEN 24-HOURS
30						

LOG OF SOIL BORING

BORING NUMBER : **B-28**

BORING LOCATION:
APGAR STREET PLANTER

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/21/2013

COMPLETION DATE: 02/21/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH: NOT MEASURED

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
0					SP	0.0 - 3.0 ft. Fill, brown silty sand, slightly clay.
						3.0 - 4.0 ft. **Sandy Clay (CL)** Grey, moist, slightly Bay mud odor.
5						4.0 - 5.0 ft. **Clay (CL)** Grey, moist, stiff, slightly Bay Mud odor.
						5.0 - 6.0 ft. **Clay (CL)** Grey, moist, stiff.
	B-28-7.5 9:15	7.5 FT.		PID = 0	CL	6.0 - 8.0 ft. **Sandy Clay (CL) to Clayey Sand(SC)** Grey, moist, very fine grain, slight hydrocarbon odor.
10					CL	8.0 - 15.0 ft. **Clay (CL)** Grey, stiff to hard, moist, slightly sandy to very fine grain, some coarse sand to fine gravel.
						15.0 - 16.0 ft. **Clayey Sand (SC)** Grey, fine grain, moist to wet, zone of coarse gravel at 15.5 ft to 16.0 ft., slight to moderate hydrocarbon odor.
15	B-28-7.5 9:15	7.5 FT.		PID = 28	SC	
					CL	16.0 - 20.0 ft. **Sand (SP) to Clay (CL)** Approximately 2.5 ft. of recovery, Grey, moist, soft to medium stiff, slightly sandy to very fine grain, increasing sand with depth (moderately sandy).
20						TOTAL DEPTH: 20.0 FEET
25						
30						

LOG OF SOIL BORING

BORING NUMBER : **OW-1**

BORING LOCATION:
ADELINE STREET PARKING LOT

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/22/2013

COMPLETION DATE: 02/22/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

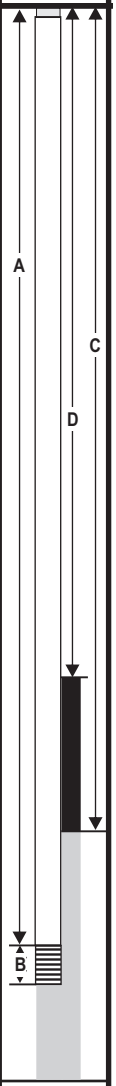
COMPLETION METHOD: WELL

BORING TOTAL DEPTH: 28.0 FEET

GROUNDWATER DEPTH: NOT MEASURED

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete & base gravel.
					CL	1.0 - 4.0 ft. **Silty Clay (CL)** Dark grey, firm, dense, moist, no hydrocarbon odors or staining.
5					CL	4.0 - 6.0 ft. **Silty Clay (CL)** Grey brown, firm, dense, moist, no hydrocarbon odors or staining.
	OW-1-7.5 8:25	7.5 FT.		3	CL	6.0 - 9.5 ft. **Clay (CL)** Olive grey, slightly silty, firm, moist, dense, slight to moderate hydrocarbon odor.
10					CL	9.5 - 11.5 ft. **Clayey Gravel/Gravelly Clay (CL)** Grey brown, firm, sub-rounded clasts to 2", moist, no hydrocarbon odors or staining.
					CL	11.5 - 15.0 ft. **Clay (CL)** Grey brown, dense, moist, no odors or staining.
15	OW-1-15.0 8:35	15.0 FT.		36		15.0 - 16.5 ft. **Gravelly Clay (CL)** Grey to grey brown, moist, dense, no odors or staining.
	OW-1-17.0 8:45	17.0 FT.		26	ML	16.5 -23.0 ft. **Silt (ML)** Grey-brown (top) to brown, soft to firm, moist to wet, slight to moderate (top) hydrocarbon odor.
20						
					CL	23.0 -24.5 ft. **Silty Clay (CL)** Brown, firm, dense, moist, no odor or staining.
25	OW-1-25.0 9:00	25.0 FT.		41	ML	24.5 -27.0 ft. **Silty Sand (SM)/Sandy Silt (ML)** Brown, Soft, moist to wet, Slightly hydrocarbon odor.
					ML	27.0 -28.0 ft. **Clayey Silt (ML)** Brown, moist, firm, no odor or staining.
30						TOTAL DEPTH: 28.0 FEET

WELL INSTALLATION & CONSTRUCTION



WELL SPECIFICATIONS

A - WELL DIFFUSER DEPTH: 24.50 FT
B - WELL DIFFUSER LENGTH: 1.00 FT
C - DEPTH TO TOP OF SAND: 21.40 FT
D - DEPTH TO TOP OF BENTONITE SEAL: 17.50 FT

CASING TYPE: SCH 40 PVC
CASING SIZE: 0.75 INCHES

LOG OF SOIL BORING

BORING NUMBER : **OW-2**

BORING LOCATION:
ADELINE STREET PARKING LOT

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/22/2013

COMPLETION DATE: 02/22/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

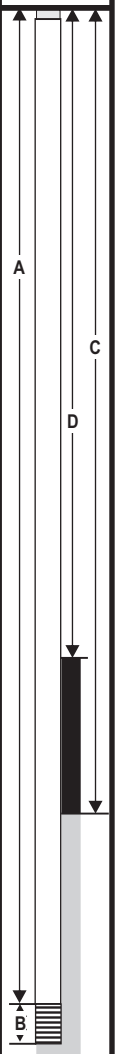
COMPLETION METHOD: WELL

BORING TOTAL DEPTH: 28.0 FEET

GROUNDWATER DEPTH: NOT MEASURED

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.5 ft. Concrete & base rock.
					ML	1.5 - 5.0 ft. **Clayey Silt (ML)** Dark grey, firm, moist, no odor or staining.
5					ML	5.0 - 6.5 ft. **Clayey Silt (ML)** Dark grey, moist
	OW-2-7.5 11:05	7.5 FT.		42	CL	6.5 - 10.0 ft. **Silty Clay (CL)** Grey, moist, stiff, hydrocarbon odor.
10					CL	10.0 - 15.5 ft. **Silty Clay (CL)** Brown w/grey mottling, hydrocarbon odor, stiff to very stiff.
15	OW-2-15.5 11:20	15.5 FT.		38	CL	15.5 - 16.0 ft. **Gravelly Clay (CL)** Brown, hard, hydrocarbon odor.
					CL	16.0 - 20.0 ft. **Silty Clay (CL) to Clayey Silt (ML)** Minimal recovery, slightly sandy to very fine grain, slight hydrocarbon odor.
20					CL	20.0 -21.0 ft. **Silty Clay (CL)** Brown, stiff, slight hydrocarbon odor.
					ML	21.0 -27.0 ft. **Clayey Silt (ML)** Brown, wet, soft to medium stiff, slightly sandy, very fine grain.
25					SP	27.0 -28.0 ft. **Sand (SP)** Brown, very fine to fine grain, wet, slight hydrocarbon odor.
30						TOTAL DEPTH: 28.0 FEET

WELL INSTALLATION & CONSTRUCTION



WELL SPECIFICATIONS

A - WELL DIFFUSER DEPTH: 26.00 FT
B - WELL DIFFUSER LENGTH: 1.00 FT
C - DEPTH TO TOP OF SAND: 21.00 FT
D - DEPTH TO TOP OF BENTONITE SEAL: 17.00 FT

CASING TYPE: SCH 40 PVC
CASING SIZE: 0.75 INCHES

LOG OF SOIL BORING

BORING NUMBER : **OW-3**

BORING LOCATION:
ADELINE STREET PARKING LOT

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: J. GRIBI
M. ROSMAN

GRIBI ASSOCIATES

START DATE: 02/22/2013

COMPLETION DATE: 02/22/2013

DRILLING CONTRACTOR: GREGG DRILLING, INC.

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

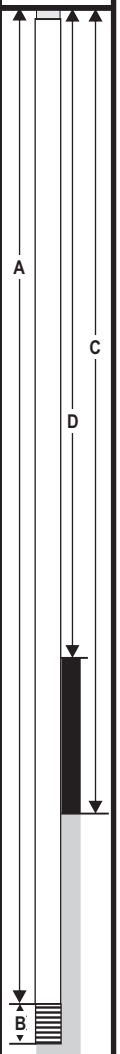
COMPLETION METHOD: WELL

BORING TOTAL DEPTH: 28.0 FEET

GROUNDWATER DEPTH: NOT MEASURED

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
0					CL	0 - 5.0 ft. **Silty Clay (CL)** Grey
5					ML	5.0 - 10.0 ft. **Clayey Silt (ML)** Grey, slightly moist, none to slight hydrocarbon odor
	OW-3-7.5 13:40	7.5 FT.		12		
10					CL	10.0 - 15.5 ft. **Silty Clay (CL)** Brown mottled grey, moist, very stiff, slight hydrocarbon odor.
15	OW-3-15.5 13:50	15.5 FT.		22	CL	15.5 - 16.0 ft. **Sandy Clay (CL)** Brown, fine coarse sand, hydrocarbon odor.
					CL	16.0 - 21.0 ft. **Silty Clay (CL)** Brown, moist to wet, medium stiff, slightly sandy to very fine grain, slight hydrocarbon odor.
20					ML	21.0 -26.0 ft. **Clayey Silt (ML)** Brown, moist to wet, slightly sandy to very fine grain. soft, slight hydrocarbon odor.
25					CL	26.0 -27.5 ft. **Silty Clay (CL)**
					SP	27.5 -28.0 ft. **Sand (SP)**
30						TOTAL DEPTH: 28.0 FEET

WELL INSTALLATION & CONSTRUCTION



WELL SPECIFICATIONS

A - WELL DIFFUSER DEPTH: 26.00 FT
B - WELL DIFFUSER LENGTH: 1.00 FT
C - DEPTH TO TOP OF SAND: 21.00 FT
D - DEPTH TO TOP OF BENTONITE SEAL: 17.00 FT

CASING TYPE: SCH 40 PVC
CASING SIZE: 0.75 INCHES

APPENDIX C

LABORATORY DATA REPORTS AND CHAIN OF CUSTODY RECORDS

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

05 March 2013

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

RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 02/23/13 10:38. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-27-7.0	T130428-01	Soil	02/21/13 14:10	02/23/13 10:38
B-27-15.5	T130428-02	Soil	02/21/13 14:20	02/23/13 10:38
B-27-W	T130428-03	Water	02/22/13 08:15	02/23/13 10:38
B-24-9.0	T130428-04	Soil	02/21/13 12:00	02/23/13 10:38
B-24-15.0	T130428-05	Soil	02/21/13 12:15	02/23/13 10:38
B-28-7.5	T130428-06	Soil	02/21/13 09:15	02/23/13 10:38
B-28-15.5	T130428-07	Soil	02/21/13 09:30	02/23/13 10:38
B-28-W	T130428-08	Water	02/22/13 10:00	02/23/13 10:38
B-24-W	T130428-09	Water	02/22/13 08:40	02/23/13 10:38
OW-1-7.5	T130428-10	Soil	02/22/13 08:25	02/23/13 10:38
OW-1-15.0	T130428-11	Soil	02/22/13 08:34	02/23/13 10:38
OW-1-17.0	T130428-12	Soil	02/22/13 08:45	02/23/13 10:38
OW-1-25.0	T130428-13	Soil	02/22/13 09:00	02/23/13 10:38

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-27-7.0
T130428-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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)	**25000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*112 %*	*95.7-135*		"	"	"	"	

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Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-27-15.5
T130428-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**5.6**	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**120**	5.0	"	"	"	"	"	"	
m,p-Xylene	**8.0**	5.0	"	"	"	"	"	"	
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)	**4400**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.6 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*95.7-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-27-W
T130428-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**1100**	10	ug/l	20	3022738	02/27/13	02/28/13	EPA 8260B	
Toluene	**99**	0.50	"	1	"	"	"	"	
Ethylbenzene	**1500**	10	"	20	"	"	"	"	
m,p-Xylene	**1100**	20	"	"	"	"	"	"	
o-Xylene	**69**	0.50	"	1	"	"	"	"	
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)	**7900**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

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Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-24-9.0
T130428-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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: Toluene-d8		*96.4 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*95.7-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-24-15.0

T130428-05 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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)	**1300**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*95.7-135*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-28-7.5

T130428-06 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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: Toluene-d8		*89.9 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*95.7-135*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-28-15.5
T130428-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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)	**16000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-28-W
T130428-08 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.50	ug/l	1	3022738	02/27/13	02/28/13	EPA 8260B	
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)	**910**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*	*81.1-136*		"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

B-24-W
T130428-09 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.50	ug/l	1	3022738	02/27/13	02/28/13	EPA 8260B	
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: Toluene-d8		*102 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*135 %*	*81.1-136*		"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

OW-1-7.5
T130428-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
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: Toluene-d8		*96.8 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*95.7-135*		"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

OW-1-15.0

T130428-11 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**39**	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**190**	5.0	"	"	"	"	"	"	
m,p-Xylene	**13**	5.0	"	"	"	"	"	"	
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)	**7400**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*95.7-135*		"	"	"	"	

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OW-1-17.0

T130428-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**13**	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**120**	5.0	"	"	"	"	"	"	
m,p-Xylene	**7.4**	5.0	"	"	"	"	"	"	
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)	**18000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*95.7-135*		"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

OW-1-25.0
T130428-13 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**14**	5.0	ug/kg	1	3030109	03/01/13	03/02/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**47**	5.0	"	"	"	"	"	"	
m,p-Xylene	**11**	5.0	"	"	"	"	"	"	
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)	**6500**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*99.5 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control
SunStar Laboratories, Inc.

Batch 3022738 - EPA 5030 GCMS

Blank (3022738-BLK1) Prepared: 02/27/13 Analyzed: 02/28/13

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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 3022738 - EPA 5030 GCMS										
Blank (3022738-BLK1)				Prepared: 02/27/13 Analyzed: 02/28/13						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
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: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*83.5-119*			
Surrogate: Dibromofluoromethane	*65.9*		*"*	*50.0*		*132*	*81.1-136*			

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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 3022738 - EPA 5030 GCMS										
LCS (3022738-BS1)				Prepared: 02/27/13 Analyzed: 02/28/13						
Chlorobenzene	22.2	1.0	ug/l	25.0		88.9	75-125			
1,1-Dichloroethene	22.4	1.0	"	25.0		89.8	75-125			
Trichloroethene	22.2	1.0	"	25.0		88.8	75-125			
Benzene	24.2	0.50	"	25.0		96.7	75-125			
Toluene	23.4	0.50	"	25.0		93.6	75-125			
Surrogate: Toluene-d8	*48.8*		*"*	*50.0*		*97.7*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.6*	*83.5-119*			
Surrogate: Dibromofluoromethane	*65.1*		*"*	*50.0*		*130*	*81.1-136*			
LCS Dup (3022738-BSD1)				Prepared: 02/27/13 Analyzed: 02/28/13						
Chlorobenzene	25.7	1.0	ug/l	25.0		103	75-125	14.6	20	
1,1-Dichloroethene	24.2	1.0	"	25.0		96.7	75-125	7.38	20	
Trichloroethene	22.2	1.0	"	25.0		88.9	75-125	0.0450	20	
Benzene	27.2	0.50	"	25.0		109	75-125	11.6	20	
Toluene	24.7	0.50	"	25.0		99.0	75-125	5.57	20	
Surrogate: Toluene-d8	*48.8*		*"*	*50.0*		*97.5*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*83.5-119*			
Surrogate: Dibromofluoromethane	*72.3*		*"*	*50.0*		*145*	*81.1-136*			*S-GC*
Batch 3030109 - EPA 5030 GCMS										
Blank (3030109-BLK1)				Prepared: 03/01/13 Analyzed: 03/02/13						
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	"							

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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 3030109 - EPA 5030 GCMS										
Blank (3030109-BLK1)				Prepared: 03/01/13 Analyzed: 03/02/13						
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
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	"							
p-Isopropyltoluene	ND	5.0	"							
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	"							

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Lake Forest, California 92630
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949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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 3030109 - EPA 5030 GCMS										
Blank (3030109-BLK1)				Prepared: 03/01/13 Analyzed: 03/02/13						
1,2,3-Trichloropropane	ND	5.0	ug/kg							
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	5.0	"							
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: Toluene-d8	*39.8*		"	*40.0*		*99.4*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*41.2*		"	*40.0*		*103*	*81.2-123*			
Surrogate: Dibromofluoromethane	*46.5*		"	*40.0*		*116*	*95.7-135*			
LCS (3030109-BS1)				Prepared: 03/01/13 Analyzed: 03/02/13						
Chlorobenzene	96.0	5.0	ug/kg	100		96.0	75-125			
1,1-Dichloroethene	89.3	5.0	"	100		89.3	75-125			
Trichloroethene	91.4	5.0	"	100		91.4	75-125			
Benzene	99.8	5.0	"	100		99.8	75-125			
Toluene	89.7	5.0	"	100		89.7	75-125			
Surrogate: Toluene-d8	*37.7*		"	*40.0*		*94.2*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*41.0*		"	*40.0*		*102*	*81.2-123*			
Surrogate: Dibromofluoromethane	*46.8*		"	*40.0*		*117*	*95.7-135*			

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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 3030109 - EPA 5030 GCMS										
Matrix Spike (3030109-MS1)	**Source: T130428-01**			Prepared: 03/01/13		Analyzed: 03/02/13				
Chlorobenzene	87.8	5.0	ug/kg	100	ND	87.8	75-125			
1,1-Dichloroethene	89.2	5.0	"	100	ND	89.2	75-125			
Trichloroethene	97.2	5.0	"	100	ND	97.2	75-125			
Benzene	101	5.0	"	100	ND	101	75-125			
Toluene	87.6	5.0	"	100	ND	87.6	75-125			
Surrogate: Toluene-d8	*36.6*		"	*40.0*		*91.5*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*36.4*		"	*40.0*		*91.0*	*81.2-123*			
Surrogate: Dibromofluoromethane	*44.4*		"	*40.0*		*111*	*95.7-135*			
Matrix Spike Dup (3030109-MSD1)	**Source: T130428-01**			Prepared: 03/01/13		Analyzed: 03/02/13				
Chlorobenzene	103	5.0	ug/kg	100	ND	103	75-125	15.6	20	
1,1-Dichloroethene	88.0	5.0	"	100	ND	88.0	75-125	1.47	20	
Trichloroethene	94.0	5.0	"	100	ND	94.0	75-125	3.45	20	
Benzene	97.2	5.0	"	100	ND	97.2	75-125	3.89	20	
Toluene	83.8	5.0	"	100	ND	83.8	75-125	4.49	20	
Surrogate: Toluene-d8	*36.7*		"	*40.0*		*91.8*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*44.0*		"	*40.0*		*110*	*81.2-123*			
Surrogate: Dibromofluoromethane	*42.6*		"	*40.0*		*107*	*95.7-135*			

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/05/13 14:37

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.

Daniel Chavez, Project Manager

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SAMPLE RECEIVING REVIEW SHEET

BATCH # T130428

Client Name: Gribi Project: Maz Glass

Received by: Dan M. Date/Time Received: 2/23/13 1038

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 3.4 °C +/- the CF (- 0.2°C) = 3.2 °C corrected temperature

cooler #2 ____ °C +/- the CF (- 0.2°C) = ____ °C corrected temperature

cooler #3 ____ °C +/- the CF (- 0.2°C) = ____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☒Yes	☐No*	☐N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒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 2/23/13

Comments:

SunStar Laboratories, Inc.
25712 Commercentre Dr
Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Gribi Associates
Address:
Phone: Fax:
Project Manager: J Gribi

Date: 2/22/13 Page: 1 Of 1
Project Name: Maz Glass
Collector: MRasmussen/J Gribi Client Project #:
Batch #: T130428 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only +TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals						Laboratory ID #	Comments/Preservative	Total # of containers
B-27-7.0	2/21	1420	S	A			X												01		1
B-27-15.5	"	1420	S	A			X												02		1
B-27-40	2/22/12	0815	W	HCL VOAs			X												03		4
B-24-9.0	2/21/12	1200	S	A			X												04		1
B-24-15.0	"	1215	S	A			X												05		1
B-28-15.5	"	0430	S	A			X												06		1
B-28-40	2/22	10:30	W	HCL VOAs			X												07		4
B-22-40	2/22	0840	W	HCL VOAs			X												08		4
MW-1-7.5	2/22/12	0825	S	A			X												09		1
MW-1-15.0	"	0834	S	A			X												10		1
MW-1-17.0	"	0845	S	A			X												11		1
MW-1-25.0	"	0900	S	A			X												12		1
																			13		1

3-24-W
SC

STD. TAT 2/22/13

Relinquished by: (signature) Date / Time 2/22/12 1330 Received by: (signature)
Relinquished by: (signature) Date / Time Received by: (signature) Date / Time 2/23/13 1018
Relinquished by: (signature) Date / Time Received by: (signature) Date / Time

Turn around time: STND

Chain of Custody seals Y/N/NA Y
Seals intact? Y/N/NA Y
Received good condition/cold Y 1.2

Notes

Sample disposal instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 101659

brian

From: Bill Hannell [bill@sunstarlabs.com]
Sent: Friday, February 22, 2013 6:09 PM
To: bcharon@sunstarlabs.com
Cc: sunny@sunstarlabs.com
Subject: FW:

HI Brian and Sunny

These samples for Gribi are coming in tomorrow, see the email below, you need to change the sample id

Thanks

Bill

From: James Gribi [mailto:Jgribi@gribiassociates.com]
Sent: Friday, February 22, 2013 5:13 PM
To: Bill Hannell
Cc: dchavez@sunstarlabs.com
Subject:

Bill

I made a mistake on the labeling of the voas for the boring water samples. The sample labeled as "B-22-W", collected at 0840 on 2/22, should actually be labeled as "B-24-W". Can you please change the COC for me?

Thanks,

Jim

James E. Gribi, PG
Senior Geologist/Principal
Gribi Associates
1090 Adams Street, Suite K
Benicia, CA 94510
Phone: (707) 748-7743
Fax: (707) 748-7763
Cell: (707)631-1505

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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06 March 2013

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

RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 02/27/13 10:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel J Chávez

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OW-2-7.5	T130449-01	Soil	02/22/13 11:05	02/27/13 10:10
OW-2-15.5	T130449-02	Soil	02/22/13 11:20	02/27/13 10:10
OW-3-7.5	T130449-03	Soil	02/22/13 13:40	02/27/13 10:10
OW-3-15.5	T130449-04	Soil	02/22/13 13:50	02/27/13 10:10

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

OW-2-7.5
T130449-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**7700**	500	ug/kg	1	3022746	02/27/13	02/28/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*130 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	3030537	03/03/13	03/04/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95.4 %*	*95.7-135*		"	"	"	"	*S-GC*

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

OW-2-15.5

T130449-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**2500**	500	ug/kg	1	3022746	02/27/13	02/28/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*122 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	3030537	03/03/13	03/04/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**8.4**	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*	*95.7-135*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

OW-3-7.5

T130449-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	**1100**	500	ug/kg	1	3022746	02/27/13	02/28/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*128 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	3030537	03/03/13	03/04/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*	*95.7-135*		"	"	"	"	*S-GC*

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

OW-3-15.5

T130449-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015C									
C6-C12 (GRO)	ND	500	ug/kg	1	3022746	02/27/13	02/28/13	EPA 8015C	
Surrogate: 4-Bromofluorobenzene		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	3030537	03/03/13	03/04/13	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96.9 %*	*95.7-135*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

Purgeable Petroleum Hydrocarbons by EPA 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3022746 - EPA 5030 GC										
Blank (3022746-BLK1)				Prepared: 02/27/13 Analyzed: 02/28/13						
C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	*237*		"	*250*		*94.7*	*65-135*			
LCS (3022746-BS1)				Prepared: 02/27/13 Analyzed: 02/28/13						
C6-C12 (GRO)	12600	500	ug/kg	13800		91.3	75-125			
Surrogate: 4-Bromofluorobenzene	*322*		"	*250*		*129*	*65-135*			
Matrix Spike (3022746-MS1)		**Source: T130450-02**		Prepared: 02/27/13 Analyzed: 02/28/13						
C6-C12 (GRO)	12800	500	ug/kg	13800	1260	83.3	65-135			
Surrogate: 4-Bromofluorobenzene	*317*		"	*250*		*127*	*65-135*			
Matrix Spike Dup (3022746-MSD1)		**Source: T130450-02**		Prepared: 02/27/13 Analyzed: 02/28/13						
C6-C12 (GRO)	12800	500	ug/kg	13800	1260	83.6	65-135	0.265	20	
Surrogate: 4-Bromofluorobenzene	*323*		"	*250*		*129*	*65-135*			

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

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 3030537 - General Prep VOC-MS										
Blank (3030537-BLK1)				Prepared: 03/03/13 Analyzed: 03/04/13						
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	5.0	"							
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	"							

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

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 3030537 - General Prep VOC-MS										
Blank (3030537-BLK1)				Prepared: 03/03/13 Analyzed: 03/04/13						
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	5.0	"							
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: Toluene-d8	*41.2*		"	*40.0*		*103*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*42.3*		"	*40.0*		*106*	*81.2-123*			
Surrogate: Dibromofluoromethane	*36.8*		"	*40.0*		*92.1*	*95.7-135*			*S-GC*

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

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 3030537 - General Prep VOC-MS										
LCS (3030537-BS1)				Prepared: 03/03/13 Analyzed: 03/04/13						
Chlorobenzene	90.4	5.0	ug/kg	100		90.4	75-125			
1,1-Dichloroethene	90.9	5.0	"	100		90.9	75-125			
Trichloroethene	95.2	5.0	"	100		95.2	75-125			
Benzene	95.8	5.0	"	100		95.8	75-125			
Toluene	93.5	5.0	"	100		93.5	75-125			
Surrogate: Toluene-d8	*39.6*		"	*40.0*		*99.0*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*38.9*		"	*40.0*		*97.2*	*81.2-123*			
Surrogate: Dibromofluoromethane	*37.0*		"	*40.0*		*92.4*	*95.7-135*			*S-GC*
LCS Dup (3030537-BSD1)				Prepared: 03/03/13 Analyzed: 03/04/13						
Chlorobenzene	90.2	5.0	ug/kg	100		90.2	75-125	0.221	20	
1,1-Dichloroethene	86.3	5.0	"	100		86.3	75-125	5.19	20	
Trichloroethene	91.6	5.0	"	100		91.6	75-125	3.85	20	
Benzene	97.0	5.0	"	100		97.0	75-125	1.24	20	
Toluene	92.4	5.0	"	100		92.4	75-125	1.13	20	
Surrogate: Toluene-d8	*40.2*		"	*40.0*		*101*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*39.2*		"	*40.0*		*98.0*	*81.2-123*			
Surrogate: Dibromofluoromethane	*39.1*		"	*40.0*		*97.8*	*95.7-135*			

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/06/13 13:24

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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Daniel Chavez, Project Manager

T130449

SUNSTAR LABORATORIES

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CHAIN OF CUSTODY RECORD

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: San Pablo Avenue Venture Global ID: T0601978682
Project Name: Maz Glass
Sampler Signature:

TURN AROUND TIME: ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY

■ GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW)

	SAMPLE ID	LOCATION/ Field Point Name	Date	Time	# Containers	Type Containers	Matrix	Method Preserved	TPH-Gas, BTEX, [redacted] (8015M/8021B)
01	OW-2-7.5		2/22	1105	1	tube	Soil	Ice	X
02	OW-2-15.5		2/22	1120	←	←	←	←	X
03	OW-3-7.5		2/22	1340	←	←	←	←	X
04	OW-3-15.5		2/22	1350	←	←	←	←	X

Matrix: Water, Soil, Air, Sludge, Other. Method Preserved: Ice, HCl, HNO_3, Other.

Analysis Request: TPH-Gas, BTEX, [redacted] (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); LUFT 5 Metals; Other

Comments: Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
[signature]	2/26/13	1730	[signature] 2-26-13 1730
GSO	2.27.13	1010	[signature]

ICE/t° 5.6
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
PRESERVATION VOAS O&G METALS OTHER pH<2

COMMENTS: 2.27.13 SL

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

BATCH # T130449

Client Name: GRIBI Project: MAZ GLASS

Received by: SUNNY Date/Time Received: 2.27.13 / 10:10

Delivered by : ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other ______

Total number of coolers received 1 **Temp criteria = 6°C > 0°C (no frozen containers)**

Temperature: cooler #1 5.8 °C +/- the CF (- 0.2°C) = 5.6 °C corrected temperature

cooler #2 ____ °C +/- the CF (- 0.2°C) = ____ °C corrected temperature

cooler #3 ____ °C +/- the CF (- 0.2°C) = ____ °C corrected temperature

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☒Yes	☐No*	☐N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒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 SL 2.27.13

Comments: