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July 6, 2015

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

Attention: Mark Detterman

Subject: Report of Additional Site Investigation 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 Additional Site Investigation 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

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

REPORT OF ADDITIONAL SITE INVESTIGATION ACTIVITIES

3800 San Pablo Avenue
Emeryville, California

ACDEH Fuel Leak Case: RO00002520
Global ID: T06019788682

Prepared for:

San Pablo Avenue Venture
c/o Bill Banker
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Prepared by:

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July 6, 2015

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GRIBI
ASSOCIATES

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Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Report of Additional Site Investigation Activities* on behalf of the site owners for the property located at 3800 San Pablo Avenue in Emeryville, California (Site). This report describes and documents: (1) The drilling and sampling of four investigative soil borings (B-31 through B-34) on March 10 and 11, 2015; (2) The re-installation and sampling of five soil gas wells (SG-1A through SG-5A) on March 10 and 11, 2015; (3) The monitoring and sampling of four Site wells (MW-1 through MW-4) on March 18, 2015; and (4) The installation and sampling of 11 sub-slab vapor wells (SS-1 through SS-11) on March 18 and March 25, 2015.

The goal of these investigative activities has been to address previously-identified investigative data gaps in order to move the Site towards regulatory closure.

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,

Matthew A. Rosman
Project Engineer

James E. Gribi
Professional Geologist
California No. 5843

REGISTERED GEOLOGIST
JAMES E. GRIBI
No. 5843
STATE OF CALIFORNIA

MAR/JEG:ct

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REPORT OF ADDITIONAL SITE INVESTIGATION ACTIVITIES

3800 SAN PABLO AVENUE
EMERYVILLE, CALIFORNIA

EXECUTIVE SUMMARY

Gribi Associates is pleased to submit this *Report of Data Gaps Investigation* on behalf of the site owners for the property located at 3800 San Pablo Avenue in Emeryville, California (Site). This report describes and documents: (1) The drilling and sampling of four investigative soil borings (B-31 through B-34) on March 10 and 11, 2015; (2) The re-installation and sampling of five soil gas wells (SG-1A through SG-5A) on March 10 and 11, 2015; (3) The monitoring and sampling of four Site wells (MW-1 through MW-4) on March 18, 2015; and (4) The installation and sampling of 11 sub-slab vapor wells (SS-1 through SS-11) on March 18 and March 25, 2015. The goal of these investigative activities has been to address previously-identified investigative data gaps in order to move the Site towards regulatory closure.

Results of Investigations

Soils encountered in the borings generally consisted of clayey silts and sandy silts, occasionally grading to clayey, silty sands. Soils in the five temporary soil gas wells, SG-1A through SG-5A, generally consisted 0-3 feet of fill soils below the concrete slab, underlain by dark grey to black Bay Mud clays to approximately 4.5 feet in depth, and then by brown silty clay to 5.5 feet total depth.

Groundwater was not encountered in shallow boring B-31. Groundwater was encountered in borings B-32, B-33, and B-34 at a depth of approximately 22 feet in depth and rose in the borings to approximately 13 feet in depth.

No hydrocarbon odors or OVM detections were noted in soils from boring B-31. Slight hydrocarbon odors, with no significant OVM detections, were noted in soils from approximately five feet to 20 feet in depth in borings B-32, B-33, and B-34.

Soil samples collected at 4.5 feet and 9.5 feet in depth in B-31 showed no significant hydrocarbon detections. Soil samples from various depths in borings B-32, B-33, and B-34 showed no significant hydrocarbon detections. Grab groundwater samples from borings B-32, B-33, and B-34 showed detections of TPH-D, but no significant gasoline-range hydrocarbon detections.

Groundwater results from the four Site wells (MW-1 through MW-4) showed some hydrocarbon concentration rebound from pre-ozone injection results, but reductions from recent apparent rain-induced concentrations spikes.

Both soil gas and sub-slab vapor lab results showed: (1) Low to nondetectable concentrations of BTEX constituents in all wells; (3) Some isolated TPH-G detections in vapor wells associated with the main gasoline groundwater plume; and (3) Elevated concentrations of TPH-G and methane at soil gas well SG-4 and sub-slab vapor wells SS-1 and SS-7, located immediately adjacent to the former UST near the southwest corner of the Site.

Conclusions

Results of this and previous investigations generally indicate the following:

1. Groundwater is held under confining conditions. Groundwater did not enter boring B-31, which was drilled to 10 feet in depth. Groundwater was encountered in borings B-32, B-33, and B-34 below 15 feet in depth and entered borings slowly.

2. A bioattenuation zone is present in the gasoline plume (Adeline Street parking lot) portion of the Site, based on depth to water greater than 10 feet and vadose zone oxygen concentrations greater than 4 percent (O_2 in SG-5 samples fairly consistently above 5 percent).

3. Although post-remediation groundwater TPH-G concentrations in Site wells have fluctuated somewhat, benzene concentrations have remained low, showing no significant concentration rebound.

4. Benzene vapor concentrations in vadose zone soils and sub-slab areas are low, indicating no significant indoor air exposure risk for the planned development.

5. The methane vapor plume is very small and is associated with natural breakdown of the decades-old residual hydrocarbons associated with the former UST on the southwest corner of the Site. Remediation or mitigation of elevated methane should be addressed during Site development.

6. Based on the results of this and previous investigations, it appears that this site meets both the general and media-specific criteria under *Low-Threat Underground Storage Tank Case Closure Policy.*

Based on the results and conclusions summarized above, we recommend that this Site be granted regulatory site closure with the provision that the small methane vapor plume in the southwest corner of the Site be mitigated during site development.

1.0 INTRODUCTION

Gribi Associates is pleased to submit this *Report of Data Gaps Investigation* on behalf of the site owners for the property located at 3800 San Pablo Avenue in Emeryville, California (Site) (see Figure 1 and Figure 2). This report describes and documents: (1) The drilling and sampling of four investigative soil borings (B-31 through B-34) on March 10 and 11, 2015; (2) The re-installation and sampling of five soil gas wells (SG-1A through SG-5A) on March 10 and 11, 2015; (3) The monitoring and sampling of four Site wells (MW-1 through MW-4) on March 18, 2015; and (4) The installation and sampling of 11 sub-slab vapor wells (SS-1 through SS-11) on March 18 and March 25, 2015. The goal of these investigative activities has been to address previously-identified investigative data gaps in order to move the Site towards regulatory closure.

All Site activities were conducted in accordance with the procedures set forth in prior approved workplans and with applicable regulatory guidelines and statutes.

1.1 Scope of Work

Gribi Associates was contracted by the property owners to conduct the following scope of work:

Task 1: Conduct pre-field activities.
Task 2: Install four investigative borings
Task 3: Re-install and sample five soil gas wells
Task 4: Conduct groundwater monitoring of Site wells
Task 5: Install and sample 11 sub-slab vapor wells
Task 6: Conduct laboratory analyses of soil, water, and vapor samples.
Task 7: Prepare report of findings.

These tasks were conducted in accordance with regulatory approvals and with generally accepted sampling guidelines and protocols.

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 protocols.

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

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 15 feet below surface grade, held under confining pressure.

2.1 Brief Site History

Preliminary Phase I ESA activities were conducted which included a review of historical Sanborn Maps, a city directories abstract, historical 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.

- 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.

2.2 Summary of Previous Environmental Investigation Activities

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

2.2.1 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 (subsequent investigative borings did not indicate either the specific location or any significant soil or groundwater hydrocarbon impacts associated with these former USTs). 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.

In April 2012, a 1,000-gallon UST was discovered in the Apgar Street sidewalk on the south side of the Site. This UST was removed on August 9, 2012. The tank showed no evidence of leakage, and soils beneath the removed UST exhibited slight to occasionally moderate hydrocarbon odors. Laboratory analytical results from soil samples showed no significant hydrocarbon detections. The only hydrocarbon detection in any of the samples was 0.520 milligrams per kilogram (mg/kg) (detection level = 0.500 mg/kg) of Total Petroleum Hydrocarbons as Gasoline (TPH-G) in the north sidewall soil sample. All of the metals results were relatively low and appear to represent background metals concentrations.

2.2.2 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 (*Preliminary Investigation and Evaluation Report for 3800 San Pablo Avenue, Emeryville, California,* Enviro Soil Tech Consultants, August 28, 2007). 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, 3800 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 proposing: (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.

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 (*Report of Remedial Investigation and Workplan to Conduct Interim Remedial Measures, 3800 San Pablo Avenue, Emeryville, California,* Gribi Associates, July 13, 2012). 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 work plan to conduct interim remedial measures (IRMs) for the Site. The IRM work plan proposed the drilling and sampling of additional borings and the implementation of an ozone injection pilot test on the Site. This work plan was conditionally approved on November 16, 2012.

In February 2013, three soil borings (B-24, B-27, and B-28) and three ozone injection wells (OW-1, OW-2, and OW-3) were installed and sampled. 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.

Gribi Associates installed an ozone remediation system at the site during the week of September 2, 2013. The ozone system was started on September 9, 2013 and operated continuously until the mid-October 2013. The system required repairs and was re-started on

November 7, 2013 and operated continuously until the system was turned off on February 7, 2014. The ozone system was re-started on August 5, 2014 and turned off on October 24, 2014 to assess concentration rebound.

On August 28, 2014, two soil borings, B-29 and B-30, were drilled and sampled on the west side of San Pablo Avenue and five temporary soil gas wells, SG-1 through SG-5, were installed and sampled. Soil gas well SG-2 was re-sampled on September 15, 2014, and soil gas wells SG-2 and SG-5 were re-sampled on September 25, 2014. Also, shallow soil samples SS-1 through SS-4 were collected in the east Site yard area on September 15, 2014. Results of these investigative activities were reported in *Report of Data Gaps Investigation, 3800 San Pablo Avenue, Emeryville, California* (Gribi Associates, November 7, 2014).

Soil gas samples from SG-1, SG-3, and SG-4 showed no detectable concentrations of hydrocarbon constituents. Soil gas samples collected at SG-2 on September 15, 2014 and September 25, 2014 showed relatively low concentrations of TPH-G, with no detectable BTEX constituents and low concentrations of Cyclohexane, Hexane, Heptane, and 1,3,4-Trimethylbenzene. The vapor sample collected from SG-5 on August 28, 2014 showed 1,700 micrograms per cubic meter (ug/m^3) OF Benzene, 5,600 ug/m^3 of Toluene, 1,200 ug/m^3 of Ethylbenzene, and 4,570 ug/m^3 of Xylenes. The two duplicate vapor samples from SG-5 collected on September 25, 2014 showed no detectable concentrations of hydrocarbon constituents. All of the soil gas samples showed no detectable Helium (leak detection compound) and generally high levels (greater than 10 percent) of Oxygen.

Soil and groundwater samples from borings B-29 and B-30 showed no detectable concentrations of hydrocarbon constituents, except for 0.72 micrograms per liter (ug/L) of Toluene in the groundwater sample from B-29. Soil samples at 2.5 feet and 5.0 feet in depth from temporary well borings SG-2 and SG-5 showed no detectable concentrations of hydrocarbon constituents. Shallow soil samples SS-1 through SS-4 showed no detectable concentrations of hydrocarbons and VOCs, and background levels of Metals. Note that the SS-2 sample showed 69 milligrams per kilogram (mg/kg) of Total Lead and 2.6 milligrams per liter (mg/L) of Soluble (STLC) Lead.

On February 26, 2015, Gribi Associates submitted the *Report of Additional Site Investigation Activities* documenting: (1) The monitoring and sampling of four Site wells on December 7, 2014 and on January 29, 2015; (2) The attempted collection of vapor samples from five temporary soil gas wells on December 7, 2014 and on January 29, 2015; (3) Conducting a preferential pathways/sensitive receptors survey; and (4) Preparation of groundwater plume delineation maps for the Site. During soil gas and groundwater sampling on December 7, 2014, it was noted that groundwater was abnormally shallow (5-6 feet bgs), presumably due to a perched water zone which resulted from significant rain events during late November/early December 2014. Thus, sampling of vapor wells yielded water, and not vapor, during the December 7, 2014 sampling. For this reason, soil gas wells and groundwater monitoring wells were sampled again on January 29, 2015. This investigation also included a preferential pathways survey. Results of this and previous investigations indicated that:

1. Groundwater TPH-G concentrations in the four wells generally increased during the two recent monitoring events; however, benzene concentrations generally remained similar to previous post-remediation sampling events. The increases in TPH-G in groundwater correspond to shallowing of groundwater that resulted from surface water infiltration during significant rain events in late November/early December 2014

2. The significant rainfall in late November/early December 2014 appears to have resulted in a temporary perched groundwater zone, or zones, that precluded soil gas sampling in Site soil gas wells, screened at about 5.5 feet in depth. Based on groundwater depth history, this groundwater shallowing appears to be anomalous

3. The temporary perched groundwater zone caused by November/December 2014 rains likely resulted in the anomalous soil gas VOC and fixed gases results in the three soil gas wells sampled on January 29, 2015. Vapor samples from SG-3 and SG-5 showed elevated levels of methane and low levels of oxygen, and the SG-4 vapor sample showed an elevated level of TPH-G, but no BTEX constituents. We believe that these conditions are anomalous and do not represent an overall trend or ongoing condition relative to vapors beneath the Site.

4. The continued lack of BTEX constituents in soil gas samples clearly indicates that indoor air exposure to BTEX, and particularly benzene, is not a significant concern relative to the planned Site redevelopment.

5. There appear to be no preferential pathways or sensitive receptors relative to Site hydrocarbon impacts. Below-ground utilities identified on and adjacent to the Site are too shallow to have acted as preferential migratory pathways, and well survey results for the former Ambassador Laundry site clearly indicate no water supply wells in the site vicinity.

6. Although complete groundwater hydrocarbon plume definition relative to the former Apgar Street UST has not been determined, we would not expect this plume length to exceed 200 feet. The reasons for this conclusion are: (1) The groundwater hydrocarbon plume associated with the former Adeline Street USTs (which is a larger hydrocarbon release) does not exceed 210 feet in length; (2) The groundwater dewatering system for the immediately south West MacArthur Boulevard underpass would be expected to intercept and halt downgradient (southwest) migration of this plume; and (3) Low-permeability soils beneath the Site and in the site vicinity generally result in short-length groundwater hydrocarbon plumes throughout the East Bay.

7. The preponderance of evidence indicates that the Site meets both the general and media-specific criteria for low-threat closure under *Low-Threat Underground Storage Tank Case Closure Policy.*

In a meeting with ACEH staff on March 6, 2015, it was determined that additional investigative activities were warranted to assess the source and extent of methane soil vapor impacts at SG-4.

3.0 DESCRIPTION OF FIELD ACTIVITIES

Borings B-31 through B-34 were drilled and sampled and soil gas wells SG-1A through SG-5A were installed and sampled on March 10 and 11, 2015. Groundwater monitoring wells MW-1 through MW-4 were monitored and sampled on March 18, 2015. On March 18 and March 25, 2015, 11 sub-slab vapor wells (SS-1 through SS-11) were installed and sampled on the Site. All activities were conducted in accordance with applicable regulatory guidelines and statutes.

3.1 Pre-Field Activities

Prior to beginning field activities, a drilling permit was obtained from the Alameda County Department of Public Works. A copy of this permit is provided in Appendix A.

Prior to implementing field activities, proposed boring locations were marked with white paint, and Underground Services Alert (USA) was notified at least 48 hours prior to drilling. Also, proposed boring locations were also cleared by a private underground utility locator.

Prior to initiating drilling activities, a Site Safety Plan was prepared, and a tailgate safety meeting was conducted with all the workers involved in conducting the investigations.

3.2 Locations of Borings, Soil Gas Wells, and Sub-Slab Vapor Wells

The location of borings, soil gas wells, and sub-slab vapor wells are shown on Figure 2. The four investigative soil borings included one shallow boring, B-31, in the Adeline Street parking lot, to assess shallow soil hydrocarbon impacts and whether or not groundwater was held under confining pressure. The three remaining borings, B-32, B-33, and B-34, were drilled adjacent to soil gas well SG-4 to assess possible hydrocarbon sources relative to the elevated methane soil gas detections at SG-4.

In order to attempt to overcome perched groundwater inundation of existing soil vapor wells SG-1 through SG-5 during prior December 2014 and January 2015, wells SG-1A through SG-5A were re-installed within approximately three feet from the existing soil gas well locations.

In order to assess methane and hydrocarbon sub-slab vapor impacts, sub-slab vapor wells SS-1 through SS-7 were sited adjacent to and surrounding soil gas well SG-4, and sub-slab vapor wells SS-8, SS-9, SS-10 and SS-11 were sited adjacent to respective soil gas wells SG-3, SG-5, SG-2, and SG-1.

3.3 Drilling and Sampling of Investigative Borings

Boring activities were conducted by PenaCore Drilling (C-57 License No. 906899) using direct-push coring equipment. Investigative boring B-31 was drilled to approximately 10 feet in depth and borings B-32, B-33, and B-34 were drilled to approximately 25 feet in depth using direct-push hydraulically-driven soil coring equipment. Continuous soil cores were collected to total depth in a clear plastic acetate tube, nested inside a stainless steel core barrel. After each four-foot core barrel was brought to the surface and exposed, 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 an organic vapor monitor (OVM). Following completion, the investigative borings were grouted to match existing grade using a cement\sand slurry.

Each soil core was first sliced open lengthwise along the length of the acetate tube, allowing full examination and logging of the soil core prior to sampling. Soil samples were then collected from specific zones of interest in an acetate liner, which were cut to the desired length (typically four to six inches), capped with Teflon tape and plastic end caps, labeled and placed in cold storage pending transport to a laboratory under formal chain-of-custody. All coring and sampling equipment was thoroughly cleaned and decontaminated between each sample collection by triple rinsing first with water, then with dilute tri-sodium phosphate solution, and finally with distilled water.

One grab groundwater sample was collected from borings B-32, B-33, and B-34 (no water was present in boring B-31 after 24 hours). Grab groundwater samples were collected from the open boring after placing 3/4-inch diameter well casing in the boring. Groundwater was then sampled using a clean small diameter bailer, and poured directly into laboratory-supplied containers. Each sample container will then be tightly sealed, labeled, and placed in cold storage for transport to the laboratory under formal chain-of-custody.

3.4 Re-Installation and Sampling of Temporary Soil Gas Wells

All soil gas sampling activities were conducted in accordance with *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, Final, October 2011) and *Advisory - Active Soil Gas Investigations* (DTSC, April 2012). Five temporary soil gas sampling wells, SG-1A through SG-5A, were re-installed by PenaCore Drilling using direct-push coring equipment. Continuous soil cores were collected to total depth in a clear plastic acetate tube, nested inside a stainless steel core barrel. After soil cores were examined and logged, soil samples were collected at approximately 3.0 feet in depth. Soil samples were collected and preserved as described in Section 3.3 of this report.

After coring to the desired depth (approximately 5.5 feet bgs), the wells were constructed using a porous vapor tip attached to 1/4-inch diameter Teflon tubing. The wells were constructed as follows: (1) Filter sand was placed around the vapor tip and tubing to approximately six inches above the vapor tip (set at approximately 5.5 feet below ground surface); (2) A one foot bentonite seal, consisting of six inches of dry granular bentonite

followed by six inches of pre-hydrated granular or pellet bentonite, was placed above the filter sand; and (3) The remaining annulus was filled with hydrated pellet bentonite.

Vapor sampling of the five re-installed soil gas wells, SG-1A through SG-5A, was attempted on March 11, 2015. However, soil gas wells SG-1A, SG-2A and SG-3A pulled water. Thus, only SG-4A and SG-5A were sampled. Soil gas wells SG-4A and SG-5A were sampled using the following procedures:

- Soil vapor samples was not be collected within 72 hours following a significant (>0.5 inches rain) precipitation event.

- A "T" valve was placed in line at the ground surface to allow for system purging and for pressure testing of the above ground portion of the sampling train. The sampling tubing was attached to a 200-milliliter per minute maximum flow controller, then a one liter laboratory-supplied Summa Canister™ (evacuated to 29 inches mercury vacuum) with vacuum pressure valve.

- After allowing the vapor wells to equilibrate for at least two hours, the wells were purged and sampled. A laboratory supplied purge/pressure test Summa Canister™ (evacuated to 29 inches mercury) was then used to test vacuum pressure in the above ground portion of the sampling train. Sampling train vacuum pressure were maintained for at least 10 minutes.

- The vapor well was then purged of approximately three purge volumes using a dedicated Summa Canister.

- The entire probe and sampling train was then placed under a shroud and a leak test was conducted. Helium from a compressed gas cylinder was pumped into the shroud, and the helium concentration inside the shroud was maintained at approximately 10,000 ppmV (the detection level for the ASTM Method D-1946 is 100 ppmV). Helium monitoring was conducted using a Mark Radiodetection MGD-2002 helium detector with internal pump (or equivalent). For the sampling train leak test, the helium monitor was attached to the purge tube and the T-valve opened. No positive readings of helium were detected, thus indicating no leaks in the sampling train prior to sampling.

- The vapor sample was then collected by opening the Summa canister and allowing the vapor to fill the canister until the vacuum pressure in the canister reached 10 to 20 percent of initial (approximately 2 to 6 inched mercury). The flow controller insured that the Summa Canister filled slowly (at 200 ml per minute or less) to insure a representative soil vapor sample. Prior to, at start time, and during sampling, periodic vacuum measurements were recorded on a field data sheet, and initial and final vacuum pressures were noted on chain-of-custody records.

The vapor samples (filled Summa canisters) were secured and transported to Sunstar Laboratories, a certified analytical laboratory, under formal chain-of-custody.

3.5 Monitoring of Groundwater Monitoring Wells

Groundwater monitoring and sampling of the four Site wells (MW-1, MW-2, MW-3, and MW-4) were conducted on March 12, 2015. Groundwater monitoring and sampling was conducted in accordance with California LUFT Field Manual guidelines and included: (1) Measuring static water levels; (2) Checking for presence of free-product; (3) Purging of approximately three well volumes while recording of temperature, pH, conductivity, and clarity; and (4) Completely filling, capping, and labelling laboratory-supplied containers. Collected groundwater samples were placed in an ice-chilled cooler and submitted to a state-certified laboratory for analyses.

3.6 Installation of Sub-Slab Vapor Wells

Sub-slab vapor sampling was conducted on March 18 and March 25, 2015. All sampling activities were conducted in accordance with *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, Final, October 2011) and *Advisory - Active Soil Gas Investigations* (DTSC, April 2012).

Eleven temporary sub-slab vapor wells, SS-1 through SS-11, were installed immediately below the concrete slab flooring. Installation and sampling of the 11 temporary sub-slab vapor wells was conducted using the following method.

- Soil vapor sampling was not to be collected within 72 hours following a significant (>0.5 inches rain) precipitation event.

- An electric hand drill was used to drill a one inch diameter hole through the concrete slab, which was approximately five inches thick. The hole was then extended approximately three inches below the bottom of the slab.

- A small amount of filter sand was placed at the bottom of the hole, and a vapor sampling diffuser connected to 1/4-inch diameter Teflon tubing was placed at the bottom of the hole. Sand was then added to fully cover the diffuser, and a small amount of dry granular bentonite was placed above the sand. Wet, pourable/pliable bentonite was then placed in the slab portion of the hole to fully seal the temporary vapor well.

- A “T” valve was placed in line at the ground surface to allow for system purging and for pressure testing of the above ground portion of the sampling train. The sampling tubing was attached to a 200-milliliter (ml) per minute maximum flow controller, then a one liter laboratory-supplied Summa Canister™ (evacuated to 29 inches mercury vacuum) with vacuum pressure valve.

- In order to ensure sample train integrity, the above-ground portion of the sample train was pressure tested using a separate Summa Canister. Pressure was maintained on the sample train for at least five minutes.

- Prior to, and during sampling, the entire probe and sampling train was then placed under a shroud and a leak test was conducted. Helium from a compressed gas cylinder was pumped into the shroud, and the helium concentration inside the shroud was maintained at approximately 10,000 ppmV (the detection level for the ASTM Method D-1946 is 100 ppmV). Helium monitoring was conducted using a Mark Radiodetection MGD-2002 helium detector with internal pump (or equivalent). For the sampling train leak test, the helium monitor was attached to the purge tube and the T-valve opened. No positive readings of helium were detected, thus indicating no leaks in the sampling train prior to sampling.

- After allowing the soil vapor sampling wells to equilibrate for a minimum of one hour, the wells were purged of approximately three purge volumes using a dedicated Summa Canister.

- Following purging, the soil gas sample was collected by opening the sampling Summa Canister and allowing the soil gas to fill the canister until the vacuum pressure in the canister reaches approximately 20 percent of initial (approximately 5 to 6 inched mercury). A flow controller (200 ml per minute or less) was placed inline on the Summa Canister to ensure the canister would will fill slowly and that a representative soil gas sample would be obtained. Prior to, at start time, and during sampling, periodic vacuum measurements were recorded on a field data sheet, and initial and final vacuum pressures were noted on chain-of-custody records.

- After completion of all sampling activities at each boring location, all down-hole materials associated with the temporary wells were removed, and the borings were grouted and re-surfaced to match existing surface grade.

The soil vapor samples (filled Summa Canisters) were secured and transported to the analytical laboratory under formal chain-of-custody.

3.7 Laboratory Analysis of Vapor, Soil, and Water Samples

Soil and grab groundwater samples from borings B-31 through B-34, soil samples from re-installed soil gas wells SG-1A through SG-5A, and groundwater samples from the four Site wells were analyzed for the following parameters by Sunstar Labs.

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

In addition, vapor samples from SG-4A and SG-5A collected on March 11, 2015 were analyzed for the following parameters by Sunstar Labs.

- USEPA TO-3/TO-15 TPH-G and Volatile Organic Compounds (VOCs)
- ASTM Method D-1946 Fixed Gases (Helium, Oxygen, Carbon Dioxide, Nitrogen)
- RSK 175 Methane

Also, sub-slab vapor samples SS-1, SS-2, and SS-3, together with a soil gas re-sample from SG-4, collected on March 18, 2015 were analyzed for the following parameters by McCampbell Analytical.

- USEPA TO-3/TO-15 TPH-G and Volatile Organic Compounds (VOCs)
- ASTM Method D-1946 Fixed Gases (Helium, Oxygen, Carbon Dioxide, Nitrogen)
- RSK 175 Methane

In addition, sub-slab vapor samples SS-4 through SS-11 collected on March 25, 2015 were analyzed for the following parameters by Eurofins/Air Toxics.

- USEPA TO-3/TO-15 TPH-G and Volatile Organic Compounds (VOCs)
- ASTM Method D-1946 Fixed Gases (Helium, Oxygen, Carbon Dioxide, Nitrogen)
- RSK 175 Methane

4.0 RESULTS OF INVESTIGATION

4.1 General Subsurface Conditions

Boring logs for B-31 through B-34 are included in Appendix B. Soils encountered in the borings generally consisted of clayey silts and sandy silts, occasionally grading to clayey, silty sands. Soils in the five temporary soil gas wells, SG-1A through SG-5A, generally consisted 0-3 feet of fill soils below the concrete slab, underlain by dark grey to black Bay Mud clays to approximately 4.5 feet in depth, and then by brown silty clay to 5.5 feet total depth.

Groundwater was not encountered in shallow boring B-31. Groundwater was encountered in borings B-32, B-33, and B-34 at a depth of approximately 22 feet in depth and rose in the borings to approximately 13 feet in depth.

No hydrocarbon odors or OVM detections were noted in soils from boring B-31. Slight hydrocarbon odors, with no significant OVM detections, were noted in soils from approximately five feet to 20 feet in depth in borings B-32, B-33, and B-34.

4.2 Results of Laboratory Analyses

Soil laboratory analytical results from the four investigative borings, B-31 through B-34 are summarized in Table 1 and on Figure 3. Laboratory reports and chain-og-custody records for all analyses are included in Appendix C. Soil samples collected at 4.5 feet and 9.5 feet in depth in B-31 showed no significant hydrocarbon detections. Soil samples from various depths in borings B-32, B-33, and B-34 showed no significant hydrocarbon detections.

Grab groundwater samples from borings B-32, B-33, and B-34, which are summarized in Table 2, showed detections of TPH-D, but no significant gasoline-range hydrocarbon detections.

Groundwater results from the four Site wells (MW-1 through MW-4), which are summarized in Table 3, showed some hydrocarbon concentration rebound from pre-ozone injection results, but reductions from recent apparent rain-induced concentrations spikes.

Both soil gas and sub-slab vapor lab results, which are summarized in Table 4 and on Figures 4 and 5, showed: (1) Low to nondetectable concentrations of BTEX constituents in all wells; (3) Some isolated TPH-G detections in vapor wells associated with the main gasoline groundwater plume; and (3) Elevated concentrations of TPH-G and Methane at soil gas well SG-4 and sub-slab vapor wells SS-1 and SS-7, located immediately adjacent to the former UST near the southwest corner of the Site.

5.0 CONCLUSIONS

Results of this and previous investigations generally indicate the following:

1. Groundwater is held under confining conditions. Groundwater did not enter boring B-31, which was drilled to 10 feet in depth. Groundwater was encountered in borings B-32, B-33, and B-34 below 15 feet in depth and entered borings slowly.

2. A bioattenuation zone is present in the gasoline plume (Adeline Street parking lot) portion of the Site, based on depth to water greater than 10 feet and vadose zone oxygen concentrations greater than 4 percent (O_2 in SG-5 samples fairly consistently above 5 percent).

3. Although post-remediation groundwater TPH-G concentrations in Site wells have fluctuated somewhat, benzene concentrations have remained low, showing no significant concentration rebound.

4. Benzene vapor concentrations in vadose zone soils and sub-slab areas are low, indicating no significant indoor air exposure risk for the planned development.

5. The methane vapor plume is very small and is associated with natural breakdown of the decades-old residual hydrocarbons associated with the former UST on the southwest corner of the Site (see Figure 5). Remediation or mitigation of elevated methane should be addressed during Site development.

6. Based on the results of this and previous investigations, it appears that this site meets both the general and media-specific criteria under *Low-Threat Underground Storage Tank Case Closure Policy.*

Based on the results and conclusions summarized above, we recommend that this Site be granted regulatory site closure with the provision that the small methane vapor plume in the southwest corner of the Site be mitigated during site development.

TABLES

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Soil Concentration, in milligrams per kilogram (mg/kg)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
UST Removal, Enviro Soil Tech Consultants, May 2002									
T-1-7-1	7.0 feet	**280L**	**440**	<0.130	<0.130	<0.130	<0.130	MTBE <0.130	**0.910** Propylbenzene **0.260** Isopropylbenzene **0.490** n-Butylbenzene
T-1-10-2	10.0 feet	**97L**	**26**	<0.023	<0.023	<0.023	<0.023	MTBE <0.023	**0.140** Propylbenzene **0.037** Isopropylbenzene **0.067** n-Butylbenzene
T-2-6.5-1	6.5 feet	**29L**	**46**	<0.025	<0.025	**0.057**	<0.025	MTBE <0.025	**0.640** Propylbenzene **0.130** Isopropylbenzene **0.150** sec-Butylbenzene **0.130** Isopropyl Toluene **0.670** n-Butylbenzene
T-2-8.5-2	8.5 feet	**24L**	**370**	<0.130	<0.130	**3.2**	**0.48**	MTBE <0.130	**2.8** Propylbenzene **0.650** Isopropylbenzene **0.380** sec-Butylbenzene **0.510** Isopropyl Toluene **1.9** n-Butylbenzene **0.370** 1,3,5-Trimethylbenzene **0.250** Naphthalene
T-2-11-3	11.0 feet	**18L**	**59**	<0.013	<0.013	**0.069**	<0.013	MTBE <0.013	**0.059** Acetone **0.036** 2-Butanone **0.039** Propylbenzene **0.019** n-Butylbenzene
Soil Boring Investigation, Enviro Soil Tech Consultants, May 2007									
B-1-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-1-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-1-15	15.0 feet	<5	<0.5	**0.030**	<0.005	**0.022**	<0.010	NA	**0.010** n-Propylbenzene
B-1-20	20.0 feet	**7.7**	**7.7**	**0.085**	<0.005	0.026	0.015	NA	**0.019** 1,2,4-Trimethylbenzene **0.0071** 1,3,5-Trimethylbenzene **0.0055** n-Propylbenzene **0.014** Naphthalene
B-2-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-2-20	20.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-3-20	20.0 feet	<5	**7.5**	<0.005	<0.005	<0.005	<0.010	NA	**0.110** Acetone

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Soil Concentration, in milligrams per kilogram (mg/kg)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
B-4-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-4-20	20.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-5-20	20.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-6-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-6-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-6-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	**0.0086** n-Propylbenzene
B-6-20	20.0 feet	<5	**1.1**	0.0071	<0.005	0.068	<0.010	NA	**0.0082** 1,2,4-Trimethylbenzene **0.006** 1,3,5-Trimethyl benzene **0.0083** Isopropylbenzene **0.013** n-Propyl benzene **0.0055** Naphthalene
B-7-5	5.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-10	10.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-15	15.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
B-7-20	20.0 feet	<5	<0.5	<0.005	<0.005	<0.005	<0.010	NA	ND
Soil Boring Investigation, Gribi Associates, December 2011									
B-8-6.0	6.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-8-9.0	9.0 feet	NA	**4.0**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-8-14.0	14.0 feet	22	**22**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-11.0	11.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-9-16.0	16.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-13.5	13.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-10-20.5	20.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-10.5	10.5 feet	**26**	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-15.0	15.0 feet	<10	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-11-20.0	20.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-10.5	10.5 feet	NA	**1.2**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-17.5	17.5 feet	NA	**2.9**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-12-22.0	22.0 feet	<10	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-12.5	12.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-14.5	14.5 feet	NA	**2**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-13-20.0	20.0 feet	NA	**3.9**	<0.005	<0.005	0.07	<0.010	NA	NA

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Soil Concentration, in milligrams per kilogram (mg/kg)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
B-14-8.0	8.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-12.0	12.0 feet	NA	**1.6**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-15.5	15.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-14-20.5	20.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
Remedial Investigation, Gribi Associates, May 2012									
B-15-12.0	12.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-16-13.5	13.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-17-11.5	11.5	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-18-13.0	13.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
B-18-19.0	19.0 feet	NA	**1.4**	<0.005	**0.013**	<0.005	<0.010	NA	NA
B-18-23.0	23.0 feet	NA	**0.63**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-19-17.5	17.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-20-20.0	20.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-21-14.5	14.5 feet	NA	**0.52**	<0.005	<0.005	<0.005	<0.010	NA	NA
B-21-16.0	16.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-22-17.0	17.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
B-23-11.0	11.0 feet	NA	**0.70**	<0.005	<0.005	<0.005	<0.010	NA	NA
MW-1-10.5	10.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
MW-1-15.5	15.5 feet	NA	**3.1**	<0.005	**0.017**	**0.013**	**0.0291**	NA	NA
MW-1-20.0	20.0 feet	NA	**4.7**	**0.032**	**0.013**	**0.12**	<0.010	NA	NA
MW-1-23.0	23.0 feet	NA	**2.8**	0.025	0.0077	0.073	<0.010	NA	NA
MW-2-4.5	4.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
MW-2-8.0	8.0 feet	NA	**35**	<0.005	**0.13**	**0.038**	**0.086**	NA	NA
MW-2-17.5	17.5 feet	NA	**69**	**0.14**	**0.14**	**0.22**	**0.148**	NA	NA
MW-2-24.0	24.0 feet	NA	**54**	0.22	0.14	0.57	0.121	NA	NA
MW-3-8.0	8.0 feet	NA	**25**	<0.005	**0.1**	<0.005	**0.101**	NA	NA
MW-3-17.5	17.5 feet	NA	**1.3**	<0.005	**0.0076**	**0.011**	<0.010	NA	NA
MW-3-23.0	23.0 feet	NA	**28**	0.36	0.052	0.35	0.236	NA	NA
MW-4-7.0	7.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	NA
MW-4-12.0	12.0 feet	NA	**1.3**	<0.005	**0.0055**	**0.0081**	<0.010	NA	NA
MW-4-16.0	16.0 feet	NA	**7.3**	**0.0069**	**0.028**	**0.034**	**0.0215**	NA	NA
MW-4-23.0	23.0 feet	NA	22	0.026	0.064	0.062	0.085	NA	NA
South UST Removal, Gribi Associates, August 2012									
T-1-W	10.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.005	All ND	All ND
T-1-E	10.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.005	All ND	All ND
T-1-N	7.0 feet	<10	**0.52**	<0.005	<0.005	<0.005	<0.005	All ND	All ND
T-1-S	7.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.005	All ND	All ND

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Soil Concentration, in milligrams per kilogram (mg/kg)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
Remediation Pilot Test, Gribi Associates, February 2013									
B-24-9.0	9.0 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-24-15.0	15.0 feet	NA	**1.3**	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-27-7.0	7.0 feet	NA	**25**	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-27-15.5	15.5 feet	NA	**4.4**	0.0056	<0.005	0.12	0.008	All ND	NA
B-28-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
B-28-15.5	15.5 feet	NA	**16**	<0.005	<0.005	<0.005	<0.010	All ND	NA
OW-1-7.5	7.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	All ND	NA
OW-1-15.0	15.0 feet	NA	**7.4**	**0.039**	<0.005	**0.19**	**0.013**	All ND	NA
OW-1-17.0	17.0 feet	NA	**18**	**0.013**	<0.005	**0.12**	**0.0074**	All ND	NA
OW-1-25.0	25.0 feet	NA	**6.5**	0.014	<0.005	0.047	0.011	All ND	NA
OW-2-7.5	7.5 feet	NA	**7.7**	<0.005	<0.005	<0.005	<0.010	NA	NA
OW-2-15.5	15.5 feet	NA	**2.5**	<0.005	<0.005	0.0084	<0.010	NA	NA
OW-3-7.5	7.5 feet	NA	**1.1**	<0.005	<0.005	<0.005	<0.010	NA	NA
OW-3-15.5	15.5 feet	NA	<0.5	<0.005	<0.005	<0.005	<0.010	NA	NA
Soil, Water, & Vapor Investigation, Gribi Associates, August/September 2014									
B-29-20.0	20.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	<0.005 Naphthalene
B-30-20.0	20.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	NA	<0.005 Naphthalene
SG-2-2.5	2.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	<0.005 Naphthalene
SG-2-5.0	5.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	<0.005 Naphthalene
SG-5-2.5	2.5 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	<0.005 Naphthalene
SG-5-5.0	5.0 feet	NA	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	<0.005 Naphthalene
SS-1	1.0 foot	<10	<10	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SS-2	1.0 foot	<10	<10	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SS-3	1.0 foot	<10	<10	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SS-4	1.0 foot	<10	<10	<0.005	<0.005	<0.005	<0.010	All ND	All ND
Soil, Water, & Vapor Investigation, Gribi Associates, March 2015									
B-31-4.5	4.5 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
B-31-9.5	9.5 feet	<10	<0.50	<0.005	**0.0084**	<0.005	<0.010	All ND	All ND
B-32-4.5	4.5 feet	<10	<0.50	<0.005	**0.0080**	<0.005	<0.010	All ND	All ND
B-32-7.5	7.5 feet	<10	<0.50	<0.005	**0.0080**	<0.005	<0.010	All ND	All ND
B-32-12.5	12.5 feet	<10	**4.8**	<0.005	**0.0083**	<0.005	<0.010	All ND	All ND
B-32-17.5	17.5 feet	<10	**9.8**	**0.016**	<0.005	**0.014**	<0.010	All ND	All ND
B-32-19.5	19.5 feet	<10	<0.50	<0.005	**0.0110**	<0.005	<0.010	All ND	All ND
B-32-24.5	24.5 feet	<10	**0.50**	<0.005	**0,0090**	<0.005	<0.010	All ND	All ND
B-33-4.5	4.5 feet	<10	<0.50	<0.005	**0.0086**	<0.005	<0.010	All ND	All ND
B-33-7.5	7.5 feet	<10	<0.50	<0.005	**0.0082**	<0.005	<0.010	All ND	All ND
B-33-11.5	11.5 feet	<10	**6.0**	<0.005	**0.0092**	**0.0050**	<0.010	All ND	All ND
B-33-14.5	14.5 feet	<10	**1.5**	<0.005	**0.0100**	**0.0056**	<0.010	All ND	All ND
B-33-18.0	18.0 feet	<10	**1.5**	<0.005	**0.0093**	<0.005	<0.010	All ND	All ND

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Soil Concentration, in milligrams per kilogram (mg/kg)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
B-34-7.5	7.5 feet	<10	<0.50	<0.005	**0.0075**	<0.005	<0.010	All ND	All ND
B-34-12.5	12.5 feet	<10	**1.0**	<0.005	**0.0093**	<0.005	<0.010	All ND	All ND
B-34-14.5	14.5 feet	<10	**2.0**	<0.005	**0.0096**	<0.005	<0.010	All ND	All ND
B-34-17.5	17.5 feet	<10	**2.0**	<0.005	<0.005	<0.005	<0.010	All ND	**0.0063** Isopropylbenzene **0.0069** n-Propylbenzene
B-34-24.5	24.5 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SG-1A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SG-2A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SG-3A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SG-4A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
SG-5A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
ESL		**100**	**100**	**0.044**	**2.9**	**3.3**	**2.3**	**8.4** MTBE	NL 1,2,4-Trimethyl benzene NL 1,3,5-Trimethyl benzene NL Isopropyl benzenee NL n-Butylbenzene NL sec-Butylbenzene NL Isopropyl Toluene NL n-Propylbenzene **3.1** Naphthalene

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene,

T = Toluene

E = Ethylbenzene

X = Xylenes

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)

L = Lighter hydrocarbons contributed to the quantitation.

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, May 2013.

Table 2

CUMULATIVE GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Groundwater Concentration, in micrograms per liter (ug/L)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
Soil Boring Investigation, Enviro Soil Tech Consultants, May 2007									
B-1-W	20 feet	NA	**54,000**	**6,700**	**120**	**3,000**	**2,300**	NA	**2.8** 1,2,4-Trimethyl benzene 0.91 1,3,5-Trimethyl benzene 0.11 Isopropyl benzene
B-2-W	20 feet	<96	<50	<0.50	<0.50	<0.50	**0.5**	NA	All ND
B-3-W	20 feet	<54	**4,500**	***7.5***	*<2.5*	***2.7***	*<2.5*	NA	**0.0026** 1,2-Dichloroethane 0.055 Isopropylbenzene 0.031 n-Butylbenzene 0.071 n-Propylbenzene
B-4-W	20 feet	<120	<100	<0.50	<0.50	**0.55**	<0.50	NA	All ND
B-5-W	20 feet	<590	**780,000**	**240**	<50	**1,400**	**640**	NA	**1.10** 1,2,4-Trimethylbenzene 0.15 Isopropylbenzene 0.61 n-Propylbenzene
B-6-W	20 feet	<490	**44,000**	**3,000**	**120**	**2,200**	**1,200**	NA	**2.2** 1,2,4-Trimethylbenzene 0.72 1,3,5-Trimethylbenzene 0.11 Isopropylbenzene 0.52 n-Propylbenzene
B-7-W	20 feet	<56	<50	<0.50	<0.50	<0.50	<0.50	NA	**0.0032** 1,2-Dichloroethane
Soil Boring Investigation, Gribi Associates, December 2011									
B-8-W	(15-20')	NA	**68**	<0.50	<0.50	<0.50	<1.0	All ND	NA
B-9-W	(16-21')	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	NA
B-10-W	(16-21')	<50	<50	<0.50	<0.50	<0.50	<1.0	All ND	NA
B-11-W	(17-22')	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	NA
B-12-W	(18-23')	NA	**3,200**	**46**	**0.96**	**12**	<1.0	All ND	NA
B-13-W	(18-23')	**1,400**	**9,100**	**270**	**4.0**	**390**	**52.4**	All ND	NA
B-14-W	(18-23')	<50	**0.094**	<0.50	<1.0	<1.0	<1.0	All ND	NA
Remedial Investigation, Gribi Associates, May 2012									
B-15-W	(21-24 ft)	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	**1.4** 1,2-Dichloroethane
B-16-W	(24 ft)	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	**1.0** 1,2-Dichloroethane
B-17-W	(12 ft)	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	All ND
B-18-W	(13-24')	NA	**560**	<0.50	<0.50	<0.50	<1.0	All ND	**1.6** Sec-Butylbenzene 2.5 Naphthalene 1.3 1,2,4-Trimethylbenzene
B-19-W	(13-24')	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	All ND
B-20-W	(17-23')	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
B-21-W	(15-23')	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
B-22-W	(24-31')	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
Remediation Pilot Test, Gribi Associates, February 2013									
B-24-W	(24')	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	NA
B-27-W	(24')	NA	**7,900**	**1,100**	**99**	**1,500**	**1,169**	All ND	NA

Table 2

CUMULATIVE GRAB GROUNDWATER LABORATORY ANALYTICAL RESULTS

Former Maz Glass UST Site

Sample ID	Sample Depth	Groundwater Concentration, in micrograms per liter (ug/L)							
		TPH-D	TPH-G	B	T	E	X	OXY	OTHER VOCs
B-28-W	(20')	NA	**910**	<0.50	<0.50	<0.50	<1.0	All ND	NA
Soil, Water, & Vapor Investigation, Gribi Associates, August/September 2014									
B-29-W	20 feet	NA	<50	<0.50	**0.72**	<0.50	<1.0	All ND	<1.0 Naphthalene
B-30-W	20 feet	NA	<50	<0.50	<0.50	<0.50	<1.0	All ND	<1.0 Naphthalene
Soil, Water, & Vapor Investigation, Gribi Associates, March 2015									
B-32-GW	12.91 ft	**1,600**	<50	**1.6**	<0.50	**1.2**	<1.0	**70** TBA	
B-33-GW	13.42 ft	**720**	<50	**0.57**	<0.50	**2.0**	<1.0	All ND	
B-34-GW	13.19 ft	**700**	<50	**2.2**	**1.1**	**1.7**	**1.8**	**82** TBA	
ESL		**100**	**100**	**27**	**9.50E+04**	**310**	**3.70E+04**	Various	NL 1,2,4-Trimethyl benzene NL 1,3,5-Trimethyl benzene NL Isopropyl benzene 100 1,2-Dichloroethane NL Sec-Butylbenzene NL n-Butylbenzene 160 Naphthalene

Table Notes:

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene,

T = Toluene

E = Ethylbenzene

X = Xylenes

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, May 2013.

Table 3
CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)												
				TPH-G	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
MW-1	5/18/2012	8.42	30.54	**17,000**	–	–	**1,300**	**29**	**770**	**260**	All ND	–	–	–	–	–
<38.96>	9/13/2012	10.55	28.41	**13,000**	–	–	**630**	**10**	**780**	**86.7**	All ND	–	–	–	–	–
	11/9/2012	9.72	29.24	**15,000**	–	–	**1,200**	**21**	**1,100**	**283**	All ND	–	–	–	–	–
	2/20/2013	8.34	30.62	**9,800**	–	–	**970**	**15**	**860**	**171.5**	All ND	–	–	**75**	–	–
	6/4/2013	9.39	29.57	**8,600**	–	–	**880**	**15**	**770**	**121.2**	All ND	–	–	**74**	–	–
	Ozone Injection Started on September 9, 2013															
	9/26/2013	10.38	28.58	**16,000**	–	–	**220**	**8.9**	**610**	**152.4**	All ND	<0.20	**0.091**	**120**	–	–
	12/30/2013	9.92	29.04	**4,700**	–	–	**62**	**1.5**	**110**	**62.75**	All ND	–	–	**23**	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.56	32.40	**5,600**	–	–	**320**	**8.4**	**370**	**89.7**	All ND	<0.20	**0.047**	**68**	–	–
	5/27/2014	9.77	29.19	**2,900**	–	–	**180**	**4.3**	**290**	**38.51**	All ND	–	–	**24**	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	11.25	27.71	**400**	<500	**960**	<0.50	<0.50	**1.1**	**1.3**	**38** TBA	–	–	<1.0	All ND	**7.0** 1,3,5-Trimethylbenzene **4.3** 1,2,4-Trimethyhlbenene
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	6.01	32.95	**12,000**		–	**250**	**2.8**	**270**	**54.51**	All ND	–	–	–	–	–
	1/29/2015	8.91	30.05	**15,000**		–	**240**	**3.6**	**210**	**59.51**	All ND	–	–	–	–	–
	3/12/2015	8.28	30.68	**3,700**	**1,300**	–	**210**	**2.3**	**120**	**63**	All ND	–	–	**19**	–	**8.5** b-Butylbenzene **2.9** sec-Butylbenzene **16** Isopropylbenzene **2.1** p-Isopropylbenzene **40** n-Propylbenzene **28** 1,3,5-Trimethylbenzene **45** 1,2,4-Trimethylbenzene
MW-2	5/18/2012	8.78	30.18	**10,000**	–	–	**610**	**26**	**340**	**69**	All ND	–	–	–	–	–
<38.96>	9/13/2012	10.64	28.32	**11,000**	–	–	**990**	**27**	**460**	**42.9**	All ND	–	–	–	–	–
	11/9/2012	9.57	29.39	**17,000**	–	–	**750**	**19**	**280**	**64.9**	All ND	–	–	–	–	–
	2/20/2013	8.86	30.1	**8,200**	–	–	**860**	**29**	**410**	**70**	All ND	–	–	**29**	–	–
	6/4/2013	9.86	29.1	**12,000**	–	–	**870**	**23**	**410**	**43.8**	All ND	–	–	**46**	–	–
	Ozone Injection Started on September 9, 2013															
	9/26/2013	13.32	25.64	**930**	–	–	**39**	**5.6**	**26**	**20**	All ND	**1.1**	**0.09**	**13**	–	–
	12/30/2013	10.33	28.63	**270**	–	–	**7.9**	<0.50	**2.9**	<1.0	**20** TBA	–	–	<1.0	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.95	32.01	**440**	–	–	**41**	**0.91**	**4.2**	**2.9**	All ND	<0.20	**0.13**	**4.2**	–	–
	5/27/2014	9.95	29.01	**1,200**	–	–	**250**	**5.9**	**34**	**14.2**	All ND	–	–	**8.1**	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	11.28	27.68	**180**	<500	<500	**4.5**	<0.50	**0.73**	<1.0	**87** TBA	–	–	<1.0	ALL ND	ALL ND
	Ozone Injection Stopped on October 24, 2014															

Table 3
CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)												
				TPH-G	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
	12/7/2014	6.15	32.81	**430**	–	–	**41**	**1.1**	**4.3**	**3.4**	**25** TBA	–	–	–	–	–
	1/29/2015	8.63	30.33	**6,900**	–	–	**180**	**5.4**	**37**	**19.2**	All ND	–	–	–	–	–
	3/12/2015	8.3	30.66	**3,200**	**1,100**	–	**270**	**5.4**	**61**	**7.7**	**90** TBA	–	–	**6.3**	–	**8.5** n-Butylbenzene **2.9** sec-Butylbenzene **16** Isopropylbenzene **2.1** p-Isopropylbenzene **40** n-Propylbenzene **28** 1,3,5-Trimethylbenzene **45** 1,2,4-Trimethylbenzene
MW-3	5/18/2012	8.61	30.23	**13,000**	–	–	**1,400**	**36**	**350**	**378**	All ND	–	–	–	–	–
<38.84>	9/13/2012	10.3	28.54	**12,000**	–	–	**1,800**	**25**	**680**	**565.5**	All ND	–	–	–	–	–
	11/9/2012	9.25	29.59	**17,000**	–	–	**2,000**	**32**	**540**	**318.6**	All ND	–	–	–	–	–
	2/20/2013	8.8	30.04	**12,000**	–	–	**1,400**	**15**	**330**	**43.9**	All ND	–	–	**8.4**	–	–
	6/4/2013	9.49	29.35	**12,000**	–	–	**1,400**	**11**	**89**	**32.4**	All ND	–	–	**13**	–	–
	Ozone Injection Started on September 9, 2013															
	9/26/2013	10.89	27.95	**5,500**	–	–	**190**	**2.8**	**42**	**27**	All ND	<0.20	**0.096**	**18**	–	–
	12/30/2013	14.59	24.25	**380**	–	–	**8.3**	<0.50	**2.3**	**1.6**	All ND	–	–	<1.0	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.99	31.85	**400**	–	–	**31**	**0.75**	**2.6**	**2.9**	All ND	<0.20	**0.083**	**1.9**	–	–
	5/27/2014	9.63	29.21	**510**	–	–	**120**	**1.3**	**9.8**	**2.8**	All ND	–	–	<1.0	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	10.31	28.53	<50	<500	<500	**2.3**	<0.50	<0.50	<1.0	All ND	–	–	<1.0	ALL ND	ALL ND
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	6.23	32.61	**1,900**	–	–	**290**	**1.8**	**2.1**	**12.4**	**30** TBA	–	–	–	–	–
	1/29/2015	8.97	29.87	**3,100**	–	–	**110**	**0.57**	**9.1**	**1.3**	**22** TBA	–	–	–	–	–
	3/12/2015	8.07	30.77	**190**	**830**	–	**50**	<0.50	**2.7**	<1.0	**53** TBA	–	–		–	**1.5** Isopropylbenzene **1.3** n-Propylbenzene **1.3** 1,2,4-Trimethylbenzene
MW-4	5/18/2012	8.28	30.2	**10,000**	–	–	**82**	**32**	**330**	**278**	All ND	–	–	–	–	–
<38.48>	9/13/2012	8.8	29.68	**10,000**	–	–	**110**	**24**	**270**	**178.1**	All ND	–	–	–	–	–
	11/9/2012	8.06	30.42	**11,000**	–	–	**110**	**13**	**170**	**124.4**	All ND	–	–	–	–	–
	2/20/2013	8.16	30.32	**4,500**	–	–	**100**	**9.5**	**190**	**65.3**	All ND	–	–	**7.1**	–	–
	6/4/2013	8.73	29.75	**6,300**	–	–	**72**	**6.2**	**61**	**48.4**	All ND	–	–	**12**	–	–
	Ozone Injection Started on September 9, 2013															
	9/26/2013	9.76	28.72	**12,000**	–	–	**48**	**3.7**	**70**	**18.2**	All ND	<0.20	**0.056**	**13**	–	–
	12/30/2013	9.81	28.67	**7,600**	–	–	**50**	**6.6**	**68**	**104.3**	All ND	–	–	**37**	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.76	31.72	**3,100**	–	–	**38**	**4.3**	**51**	**76.5**	All ND	<0.020	**0.016**	**20**	–	–
	5/27/2014	9.11	29.37	**2,900**	–	–	**47**	**3.5**	**68**	**68.6**	All ND	–	–	<1.0	–	–

Table 3
CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)											
				TPH-G	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
Ozone Injection Resumed on August 5, 2014																
	9/29/2014	11.19	27.29	**5,600**	**2,200**	**4,900**	**16**	**0.78**	**6.1**	**9.04**	All ND	–	**–**	<1.0	All ND	**1.3** sec-Butylbenzene **2.8** Isopropylbenzene **2.9** p-Isopropylbenzene **5.7** n-Propylbenzene **22** 1,3,5-Trimethylbenzene **20** 1,2,4-Trimethylbenzene
Ozone Injection Stopped on October 24, 2014																
	12/7/2014	5.82	32.66	**5,700**	–	–	**28**	**2.9**	**30**	**23.2**	All ND	–	–	–	–	–
	1/29/2015	7.70	30.78	**43,000**	–	–	**50**	**7.7**	**70**	**79.5**	All ND	–	–	–	–	–
	3/12/2015	7.04	31.44	**2,700**	**1,500**	–	**41**	**7.7**	**52**	**41.2**	All ND	–	–	**18**	–	**6.4** n-Butylbenzene **3.1** sec-Butylbenzene **13** Isopropylbenzene **1.6** p-Isopropylbenzene **21** n-Propylbenzene **8.4** 1,3,5-Trimethylbenzene **40** 1,2,4-Trimethylbenzene
Enviromental Screening Levels				**100**	**110**	**NL**	**27**	**95,000**	**310**	**37,000**	**110 TBA**	**21**	**NL**	**160**	**Various**	**Various**

TABLE NOTES

GW Elev = Groundwater mean sea level elevation

TPH-G = Total Petroleum Hydrocarbons as gasoline

B = Benzene,

T = Toluene

E = Ethylbenzene

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-HO = Total Petroleum Hydrocarbons as Heating Oil

X = Xylenes

OXY = Oxygenates, including MTBE = Methyl-t-Butyl Ether, ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME).

Cr6 = Hexavalent Chromium

Br = Bromate

N = Naphthalene.

<38.96> = Top of casing mean sea level elevation (Virgil Chavez Land Survey).

All ND = No detectable concentrations of all analytes.

– = Not analyzed for this analyte.

SVOCs = semi-volatile organic compounds

VOCs = volatile organic compounds

<1.0 = Not detected above the expressed value.

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, December 2013, Table E-1, Groundwater to Indoor Air, fine grained soils, residential land use.

NL = Not Listed

Table 4
CUMULATIVE SOIL GAS LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Date	Sample Depth	TPH-D (ug/m3)	TPH-G (ug/m3)	B (ug/m3)	T (ug/m3)	E (ug/m3)	X (ug/m3)	Other (ug/m3)	Methane (%)	CO2 (%)	N (%)	O2 (%)	Helium (%)
SOIL GAS SAMPLES														
SG-1	8/28/2014	5.5 ft	NA	<7,170	<3.3	<3.8	<4.4	<8.8	Heptane = **5.1**	<0.00081	<1.62	**62.1**	**14.2**	<1.62
	12/7/2014	Sucked water; did not sample												
	1/29/2015	Sucked water; did not sample												
SG-2	9/15/2014	5.5 ft	NA	**7,600**	<3.3	<3.8	<4.4	<8.8	Cyclohexane = **310** Heptane = **46** Hexane = **1,000** 1,3,5-TMB = **56**	**0.017**	**3.87**	**51.0**	**13.2**	<1.57
	9/25/2014	5.5 ft	NA	<7,170	<160	<190	<220	<220	Cyclohexane = **1,900** Hexane = **1,000**	**0.0077**	**5.3**	**58.3**	**2.01**	0.00
	12/7/2014	Sucked water; did not sample												
	1/29/2015		NA	<7,170	<3.3	<3.8	<4.4	<8.8	Cyclohexane = **53** Heptane = **14** Hexane = **42** TCE = **16**	**0.0493**	<1.75	**59.2**	**2.11**	0.00
SG-3	8/28/2014	5.5 ft	NA	<7,170	<3.3	<3.8	<4.4	<8.8	All ND	<0.00076	<1.51	**49.7**	**16.6**	<1.51
	12/7/2014	Did not attempt to sample due to shallow groundwater depths												
	1/29/2015	Sucked water; did not sample												
SG-4	8/28/2014	5.5 ft	NA	<7,170	<3.3	<3.8	<4.4	<8.8	1,2,4-TMB = **13**	**0.024**	<1.54	**52.3**	**5.87**	<1.54
	12/7/2014	Did not attempt to sample due to shallow groundwater depths												
	1/29/2015		NA	**440,000**	<160	<190	<220	<220	Cyclohexane = **52,000** Heptane = **9,800** Hexane = **26,000**	**0.0121**	**6.49**	**64.5**	<1.72	0.00
	3/11/2015		**120,000 (A)**	**420,000**	<160	<190	<220	<220	Cyclohexane = **35,000** Heptane = **150,000** Hexane = **9,700**	**38**	**8.01**	**68.5**	**2.08**	0.00
(Dup)	3/11/2015		NA	**485,000**	<160	<190	<220	<220	Cyclohexane = **48,000** Heptane = **37,000** Hexane = **20,000**	**43**	**8.64**	**70.9**	<1.72	0.00
	3/18/2015		NA	NA	<10,000	<10,000	<10,000	<10,000	All ND	**26**	**14.0**	NA	**0.93**	0.00

Table 4
CUMULATIVE SOIL GAS LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Date	Sample Depth	TPH-D (ug/m3)	TPH-G (ug/m3)	B (ug/m3)	T (ug/m3)	E (ug/m3)	X (ug/m3)	Other (ug/m3)	Methane (%)	CO2 (%)	N (%)	O2 (%)	Helium (%)
SG-5	8/28/2014	5.5 ft	NA	<7,170	**1,700**	**5,600**	**1,200**	**4,570**	All ND	**0.015**	<1.53	**49.7**	**12.5**	<1.53
	9/25/2014		NA	<7,170	<3.3	<3.8	<4.4	<8.8	All ND	**0.0018**	**2.01**	**54.7**	**9.28**	0.00
(Dup)	9/25/2014		NA	<7,170	<3.3	<3.8	<4.4	<8.9	All ND	<0.00079	**2.01**	**53.5**	**10.8**	0.00
	12/7/2014	Sucked water; did not sample												
	1/29/2015		NA	<7,170	<3.3	<3.8	<4.4	<8.8	Tetrahydrofuran = **47** Tetrachloroethene = **8.7** 2-Butanone (MEK) = **47**	**0.00031**	<1.54	**41.9**	**2.1**	0.00
	3/11/2015		<1,000	<7,170	<3.3	<3.8	<4.4	<8.8	Heptane = **4.8** Hexane = **4.0** Tetrachloroethene = **39** 1,1,2-Trichloroethane = **17** Trichloroethene = **11**	**0.17**	<1.85	**71.1**	**11**	0.00
SUB-SLAB VAPOR SAMPLES														
SS-1	3/18/2015	0.5 ft	NA	NA	**17**	**23**	<22	<66	All ND	**5.8**	**10.0**	NA	**1.0**	0.00
SS-2	3/18/2015	0.5 ft	NA	NA	<16	**35**	<22	**130**	Chloroform = **36** 4-Ethyltoluene = **31** 1,2,4-Trimethylbenzene = **140** 1,3,5-Trimethylbenzene = **74**	**0.0047**	**3.2**	NA	**14**	0.00
SS-3	3/18/2015	0.5 ft	NA	NA	**4.0**	**4.3**	**5.4**	**32**	Chloroform = **27** 4-Ethyltoluene = **6.3** MIBK = **5.1** Tetrachloroethene = **4.3** 1,2,4-Trimethylbenzene = **19** 1,3,5-Trimethylbenzene = **6.8**	**0.0003**	**9.6**	NA	**9.0**	0.00
SS-4	3/25/2015	0.5 ft	NA	**1,100**	**8.6**	**86**	**40**	**330**	Acetone = **66** 2-Butanone (MEK) = **19** 4-Methyl-2-pentanone = **1,300** Cumene = **6.1** 4-Ethyltoluene = **7.6** 1,2,4-Trimethylbenzene = **19**	<0.00021	**6.8**	NA	**12**	<0.11
SS-5	3/25/2015	0.5 ft	NA	<430	<3.4	<4.0	<4.6	<4.6	Acetone = **27** 4-Methyl-2-pentanone = **5.9**	<0.00021	**5.7**	NA	**14**	<0.11
SS-6	3/25/2015	0.5 ft	NA	**9,000**	<3.4	**25**	**30**	**252**	Acetone = **120** 2-Butanone (MEK) = **14** Tetrahydrofuran = **7.7** 2,2,4-Trimethylpentane = **16** 4-Methyl-2-pentanone = **500** 4-Ethyltoluene = **5.4** 1,2,4-Trimethylbenzene =**8.1**	**0.32**	**13**	NA	**1.6**	<0.11

Table 4
CUMULATIVE SOIL GAS LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Sample ID	Date	Sample Depth	TPH-D (ug/m3)	TPH-G (ug/m3)	B (ug/m3)	T (ug/m3)	E (ug/m3)	X (ug/m3)	Other (ug/m3)	Methane (%)	CO2 (%)	N (%)	O2 (%)	Helium (%)
SS-7	3/25/2015	0.5 ft	NA	**260,000**	<27	<32	<37	<37	Acetone = **410**	**20**	**9.9**	NA	**1.1**	<0.14
SS-8	3/25/2015	0.5 ft	NA	**490**	<3.4	<4.0	<4.6	<4.6	4-Methyl-2-pentanone = **5.8**	**0.015**	**0.58**	NA	**20**	<0.13
SS-9	3/25/2015	0.5 ft	NA	<430	**4.6**	<4.0	<4.6	**6.5**	Acetone = **34** Chloroform = **9.1** Carbon Tetrachloride = **78** 4-Methyl-2-pentanone = **12**	<0.00021	**1.2**	NA	**19**	<0.10
SS-10	3/25/2015	0.5 ft	NA	**2,500**	<3.4	**6.6**	**5.5**	**48**	4-Methyl-2-pentanone = **34**	<0.00021	**0.12**		**20**	<0.10
SS-11	3/25/2015	0.5 ft	NA	<440	**6.0**	**6.2**	**6.0**	**28**	Aceton = **38** Carbon Disulfide = **68** 4-Methyl-2-pentanone = **52** Tetrachloroethene = **62**	<0.00021	**0.14**	NA	**19**	<0.11
Soil Gas ESL			**2.5E+06**	**2.5E+06**	**420**	**1.3E+06**	**4,900**	**4.4E+05**	Various	**LEL = 4.4**	--	--	--	--

Table Notes

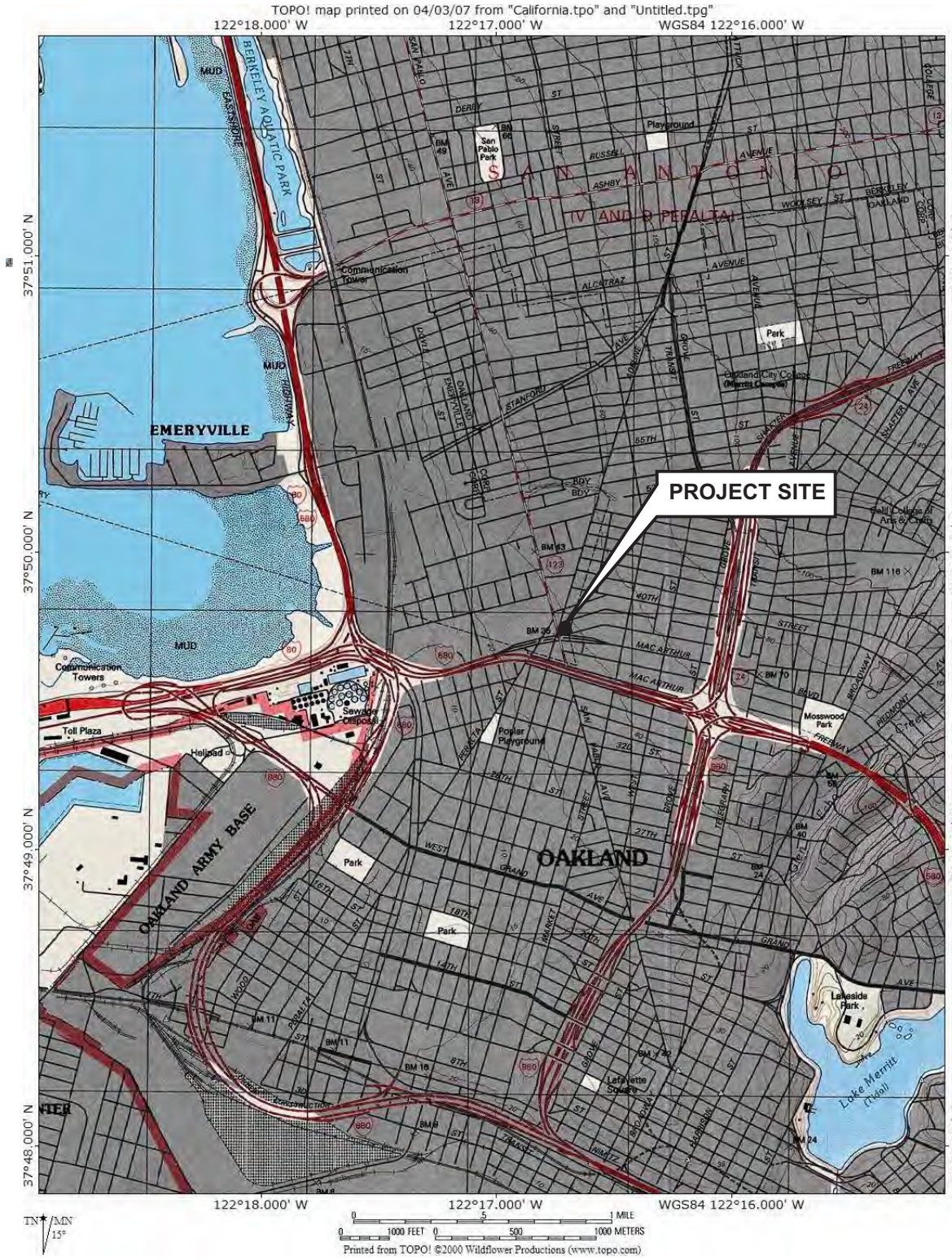
B = Benzene
T = Toluene
E = Ethylhbenzene
X = Xylenes

1,2,4-TMB = 1,2,4-Trimethylbenzene
ug/m3 = micrograms per cubic meter
ppmv = parts per million by volume
% = Percent

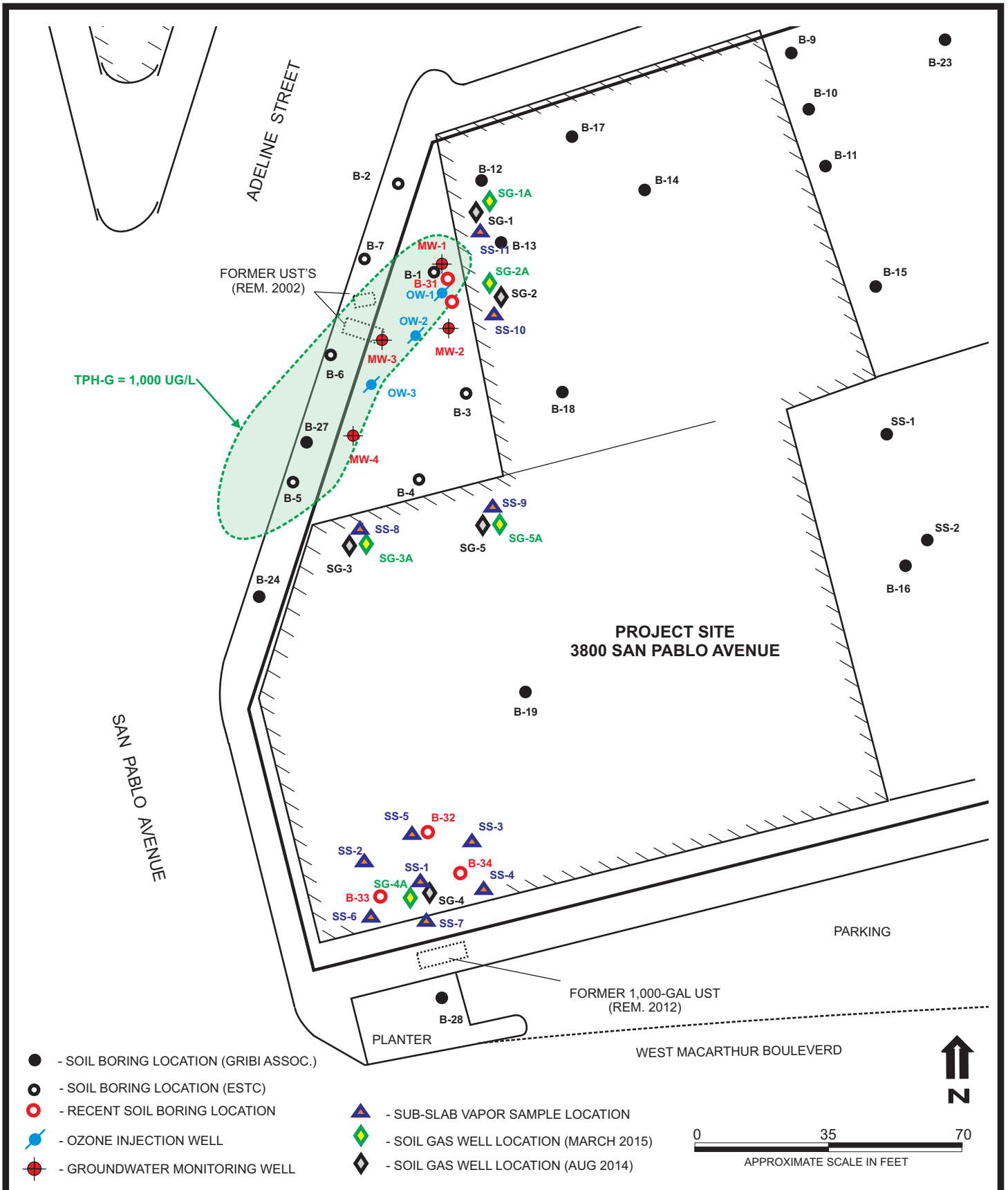
Other = Other VOCs, includes approxmately 47 individual VOC compounds
<7,170 = Not detected at or above the expressed value.
ND = Not detected above laboratory detection levels.
NA = Not analyzed for this analyte

(A) = The McCampbell Analytical report states: "Due to the high organic content observed in the sample, a quantification of the internal standards were unobtainable. The quantitated TPH-diesel and naphthalene concentrations are calculated using a modified TO-17 analytical procedure which includes an external calibration. The TPH-diesel and naphthalene results are estimated. It is noted that the majority of the calculated TPH-diesel concentration is derived from an observed lighter eluting TPH-gas range pattern."

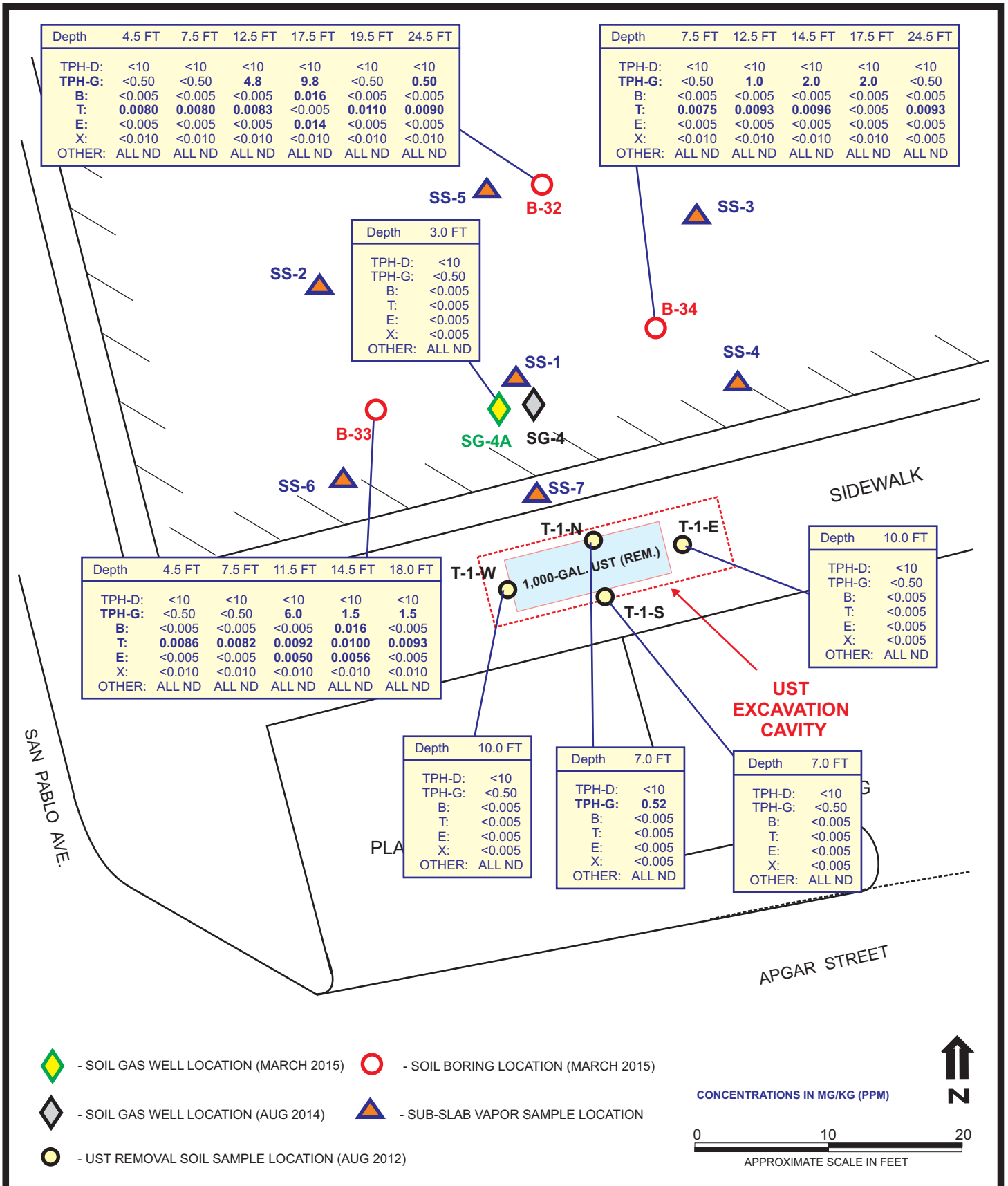
FIGURES



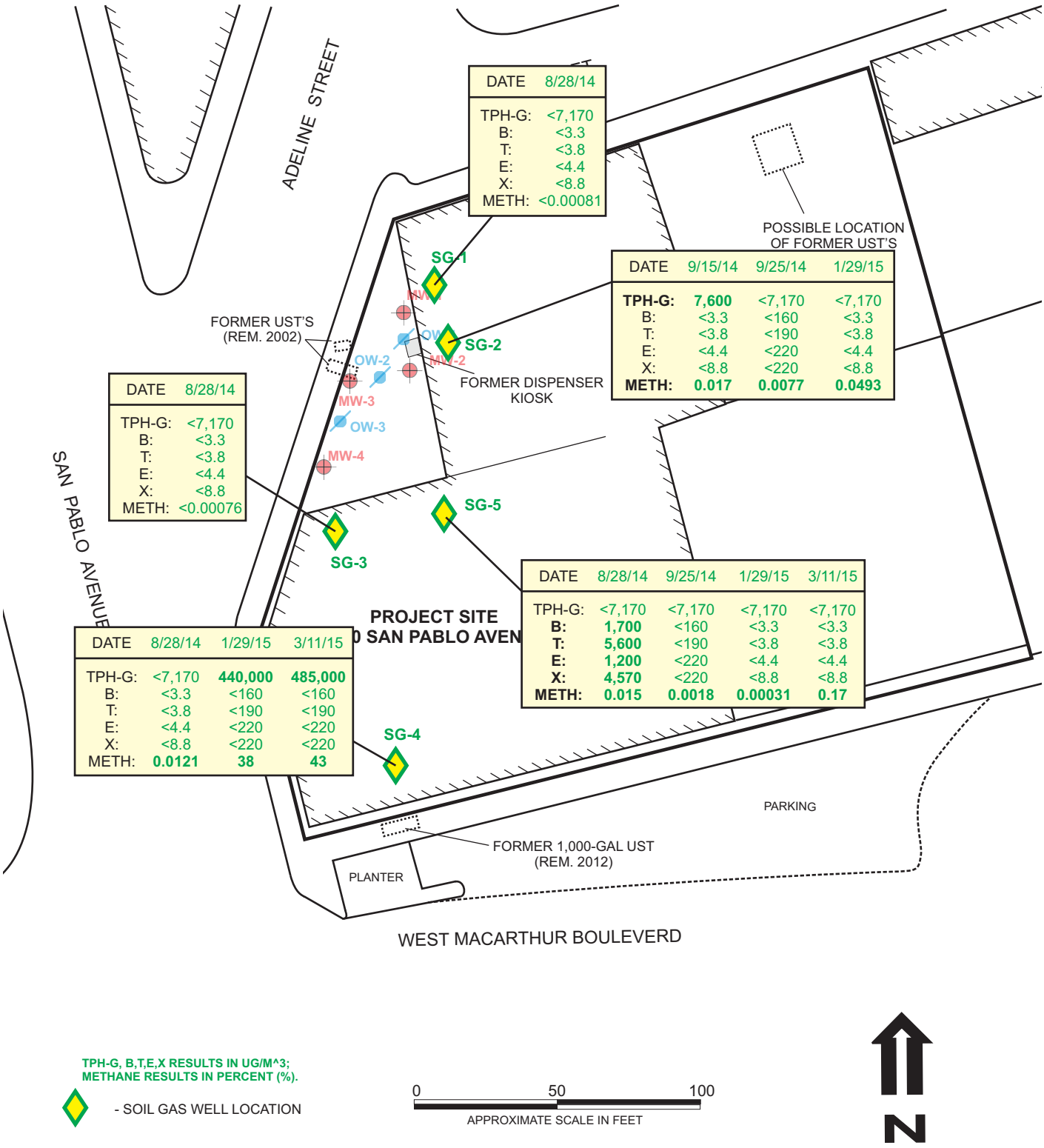
DESIGNED BY:	CHECKED BY: JG	**SITE VICINITY MAP**	DATE: 05/14/2015	FIGURE: 1
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



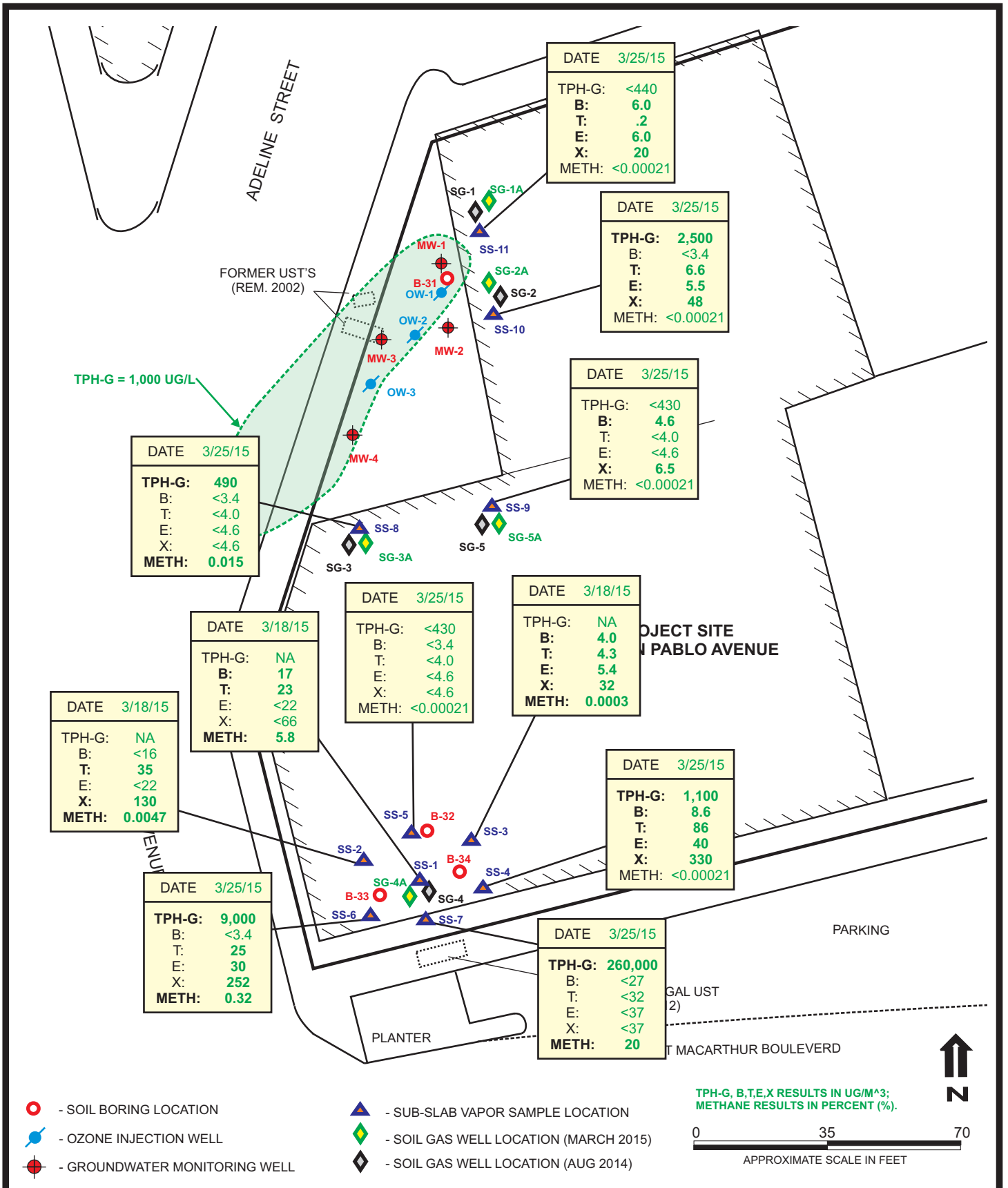
DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 05/14/2015	FIGURE: **2**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SOIL HYDROCARBON RESULTS**	DATE: 05/14/2015	FIGURE: 3
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SOIL GAS HYDROCARBON RESULTS**	DATE: 05/14/2015	FIGURE: 4
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SUB-SLAB VAPOR HYDROCARBON RESULTS**	DATE: 05/14/2015	FIGURE: 5
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		GRIBI

APPENDIX A

REGULATORY PERMITS

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 03/09/2015 By priest

Permit Numbers: W2015-0175
Permits Valid from 03/23/2015 to 03/23/2015

Application Id: 1425771854672 **City of Project Site:** Emeryville
Site Location: 3800 San Pablo Avenue
Emeryville, California
Project Start Date: 03/23/2015 **Completion Date:** 03/23/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: Gribi Associates - James Gribi **Phone:** 707-748-7743
1090 Adams Stree, Suite K, Benicia, CA 94510
Property Owner: William Banker **Phone:** --
1720 Broadway, Suite 202, Oakland, CA 94612
Client: ** same as Property Owner **
Contact: Jim Gribi **Phone:** 707-748-7743
Cell: 707-631-1505

Total Due: $265.00
Receipt Number: WR2015-0091 **Total Amount Paid:** $265.00
Payer Name : James E. Gribi Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 11 Boreholes
Driller: Penecore Drilling - Lic #: 906899 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0175	03/09/2015	06/21/2015	11	2.50 in.	20.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no

case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

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

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

8. 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-31**

BORING LOCATION: ADJACENT TO MW-1

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: M. ROSMAN

GRIBI ASSOCIATES

START DATE: 03/10/2015

COMPLETION DATE: 03/10/2015

DRILLING CONTRACTOR: PENACORE DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 10.0 FEET

GROUNDWATER DEPTH: NO WATER

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and Base Rock
	B-31-2.5 14:55	2.5 FT.		PID = 0		1.0 - 4.0 ft. **Clay (CL)** Dark grey to black, firm dense, moist, no hydrocarbon odors or staining.
5	B-31-5.0 15:00	5.0 FT.		PID = 0	CL	4.0 - 5.0 ft. **Clay (CL)** Light brown, firm, slightly silty, moist, no hydrocarbon odors or staining.
				PID = 0		5.0 - 10.0 ft. **Clay (CL)** Grey brown, silty, firm, moist, no hydrocarbon odors or staining.
10						TOTAL DEPTH: 10 FEET BGS. NO GROUNDWATER ENCOUNTERED
15						
20						
25						
30						

LOG OF SOIL BORING

BORING NUMBER : **B-32**

BORING LOCATION: ADJACENT TO SG-4

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: M. ROSMAN

GRIBI ASSOCIATES

START DATE: 03/10/2015

COMPLETION DATE: 03/11/2015

DRILLING CONTRACTOR: PENACORE DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 25.0 FEET

GROUNDWATER DEPTH: INITIAL: 20.0 FT (3/10)
FINAL: 12.91 FT (3/11)

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and Base Rock
					CL	1.0 - 5.0 ft. **Silty Clay (CL)** Dark grey to brown, firm, moist, Bay Mud odor, no hydrocabron odors or staining.
5	B-32-4.5 11:00	4.5 FT.		PID = 0		
	B-32-7.5 11:05	7.5 FT.		PID = 0	ML	5.0 - 10.0 ft. **Clayey Silt (ML)** Brown, occasionally sandy, moist, firm, slight hydrocarbon odors.
10	B-32-9.5 11:10	9.5 FT.		PID = 0		
	B-32-12.5 11:15	12.5 FT.		PID = 3 ▼	CL	10.0 - 20.0 ft. **Silty Clay (CL)** Brown with grey streaks, moist, slightly sandy, grades to clayey silt from 16-20 ft., slight hydrocarbon odors.
15	B-32-14.5 11:20	14.5 FT.		PID = 0		
	B-32-17.5 11:25	17.5 FT.		PID = 5		
20	B-32-19.5 11:30	19.5 FT.		PID = 0 ▽	SC	20.0 - 21.0 ft. **Clayey Sand (SC)** Grey brown, very fine grained, moist to wet, soft, slight hydrocarbon odors.
					CL	21.0 - 25.0 ft. **Clayey Sand (SC)** Brown to grey, moist, firm, dense, no-slight hydrocarbon odors.
25	B-32-24.5 11:40	24.5 FT.		PID = 0		
30						TOTAL DEPTH: 25.0 FEET COLLECTED GRAB GROUNDWATER SAMPLE B-32-W at 11:40 AM, 03/11/15

LOG OF SOIL BORING

BORING NUMBER : **B-33**

BORING LOCATION: ADJACENT TO SG-4

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: M. ROSMAN

GRIBI ASSOCIATES

START DATE: 03/10/2015

COMPLETION DATE: 03/11/2015

DRILLING CONTRACTOR: PENACORE DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 25.0 FEET

GROUNDWATER DEPTH: INITIAL: 23.0 FT (3/10)
FINAL: 13.41 FT (3/11)

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and Base Rock
					CL	1.0 - 6.0 ft. **Silty Clay (CL)** Dark grey to brown, firm, moist, Bay Mud odor, no hydrocarbon odors or staining.
5	B-33-4.5 08:30	4.5 FT.		PID = 0		
	B-33-7.5 08:35	7.5 FT.		PID = 0	ML	6.0 - 9.0 ft. **Clayey Silt (ML)** Dark grey to brown, moist, firm, slight hydrocarbon odors.
10	B-33-9.5 08:40	9.5 FT.		PID = 2	CL	9.0 - 11.5 ft. **Silty Clay (CL)** Brown with grey streaks, moist, no hydrocarbon odors or staining.
	B-33-11.5 08:45	11.5 FT.		PID = 0 ▼	SC	11.5 - 12.5 ft. **Silty Sand (SM)** Grey brown, very fine grained, moist to wet, soft, slight hydrocarbon odors.
15	B-33-14.5 08:50	14.5 FT.		PID = 2	CL	12.5 - 19.0 ft. **Silty Clay (CL)** Brown, occasionally olive grey, moist to wet, dense, slight hydrocarbon odors.
	B-33-18.0 08:55	18.0 FT.		PID = 5		
20	B-33-19.5 09:00	19.5 FT.		PID = 0	CL	19.0 - 25.0 ft. **Silty Clay (CL)** Grey, sandy from 20-25 ft bgs, soft, wet at 23 ft bgs, slight slight hydrocarbon odors.
25	B-33-24.5 09:05	24.5 FT.		PID = 0 ▽		
30						TOTAL DEPTH: 25.0 FEET COLLECTED GRAB GROUNDWATER SAMPLE B-33-W at 11:50 AM, 03/11/15

LOG OF SOIL BORING

BORING NUMBER : **B-34**

BORING LOCATION: ADJACENT TO SG-4

BORING TYPE: SOIL BORING

PROJECT NAME: FORMER MAZ GLASS SITE
EMERYVILLE, CALIFORNIA

FIELD SCIENTIST: M. ROSMAN

GRIBI ASSOCIATES

START DATE: 03/10/2015

COMPLETION DATE: 03/11/2015

DRILLING CONTRACTOR: PENACORE DRILLING

DRILLING METHOD: DIRECT PUSH

BOREHOLE DIAMETER: 2.5 INCHES

COMPLETION METHOD: BORING

BORING TOTAL DEPTH: 25.0 FEET

GROUNDWATER DEPTH: INITIAL: 20.0 FT (3/10)
FINAL: 13.19 FT (3/11)

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	PID READING & BLOW COUNTS (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL
						0.0 - 1.0 ft. Concrete and Base Rock
					CL	1.0 - 5.0 ft. **Silty Clay (CL)** Dark grey to brown, firm, moist, Bay Mud odor, no hydrocarbon odors or staining.
5	B-34-4.5 10:05	4.5 FT.		PID = 0		
	B-34-7.5 10:10	7.5 FT.		PID = 0		
10	B-34-9.5 10:15	9.5 FT.		PID = 0	CL	5.0 - 15.0 ft. **Silty Clay (CL)** Brown, grey mottled, moist, firm, slight hydrocarbon odors.
	B-34-12.5 10:20	12.5 FT.		PID = 3 ▼		
15	B-34-14.5 10:25	14.5 FT.		PID = 0	SC	15.0 - 17.0 ft. **Clayey Sand (SC)** Grey brown, very fine grained, moist, soft, no hydrocarbon odors.
	B-34-17.5 10:30	17.5 FT.		PID = 2	ML	17.0 - 20.0 ft. **Clayey Silt (ML)** Brown to grey, moist to wet, soft to firm, slight hydrocarbon odors.
20	B-34-19.5 10:35	19.5 FT.		PID = 0 ▽	SC	20.0 - 21.0 ft. **Clayey Sand (SC)** Grey to brown, very fine to medium grained, wet, soft, no hydrocarbon odors.
					CL	21.0 - 25.0 ft. **Silty Clay (CL)** Brown, moist to wet, becoming slightly moist, hard, firm, no hydrocarbon odors or staining.
25	B-33-24.5 10:45	24.5 FT.		PID = 0		
30						TOTAL DEPTH: 25.0 FEET COLLECTED GRAB GROUNDWATER SAMPLE B-34-W at 11:30 AM, 03/11/15

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
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949.297.5027 Fax

13 March 2015

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 03/12/15 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
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	03/13/15 17:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-1A-3.0	T150542-01	Soil	03/10/15 13:00	03/12/15 09:00
SG-2A-3.0	T150542-02	Soil	03/10/15 13:30	03/12/15 09:00
SG-3A-3.0	T150542-03	Soil	03/10/15 14:15	03/12/15 09:00
SG-4A-3.0	T150542-04	Soil	03/10/15 14:35	03/12/15 09:00
SG-5A-3.0	T150542-05	Soil	03/10/15 13:50	03/12/15 09:00
B-31-4.5	T150542-07	Soil	03/10/15 15:00	03/12/15 09:00
B-31-9.5	T150542-09	Soil	03/10/15 15:10	03/12/15 09:00
B-32-4.5	T150542-10	Soil	03/10/15 11:00	03/12/15 09:00
B-32-7.5	T150542-11	Soil	03/10/15 11:05	03/12/15 09:00
B-32-12.5	T150542-13	Soil	03/10/15 11:15	03/12/15 09:00
B-32-17.5	T150542-15	Soil	03/10/15 11:25	03/12/15 09:00
B-32-19.5	T150542-16	Soil	03/10/15 11:30	03/12/15 09:00
B-32-24.5	T150542-17	Soil	03/10/15 11:40	03/12/15 09:00
B-33-4.5	T150542-18	Soil	03/10/15 08:30	03/12/15 09:00
B-33-7.5	T150542-19	Soil	03/10/15 08:35	03/12/15 09:00
B-33-11.5	T150542-21	Soil	03/10/15 08:45	03/12/15 09:00
B-33-14.5	T150542-22	Soil	03/10/15 08:50	03/12/15 09:00
B-33-18.0	T150542-23	Soil	03/10/15 08:55	03/12/15 09:00
B-34-7.5	T150542-27	Soil	03/10/15 10:10	03/12/15 09:00
B-34-12.5	T150542-29	Soil	03/10/15 10:20	03/12/15 09:00
B-34-14.5	T150542-30	Soil	03/10/15 10:25	03/12/15 09:00
B-34-17.5	T150542-31	Soil	03/10/15 10:30	03/12/15 09:00
B-34-24.5	T150542-33	Soil	03/10/15 10:45	03/12/15 09:00
B-32-GW	T150542-34	Water	03/11/15 11:40	03/12/15 09:00
B-33-GW	T150542-35	Water	03/11/15 11:50	03/12/15 09:00
B-34-GW	T150542-36	Water	03/11/15 11:30	03/12/15 09:00

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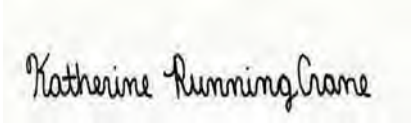

Katherine RunningCrane, Project Manager

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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	03/13/15 17:44

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

DETECTIONS SUMMARY

Sample ID: SG-1A-3.0 **Laboratory ID:** T150542-01

No Results Detected

Sample ID: SG-2A-3.0 **Laboratory ID:** T150542-02

No Results Detected

Sample ID: SG-3A-3.0 **Laboratory ID:** T150542-03

No Results Detected

Sample ID: SG-4A-3.0 **Laboratory ID:** T150542-04

No Results Detected

Sample ID: SG-5A-3.0 **Laboratory ID:** T150542-05

Analyte	Result	Reporting Limit	Units	Method	Notes
C29-C40 (MORO)	**13**	10	mg/kg	EPA 8015C	

Sample ID: B-31-4.5 **Laboratory ID:** T150542-07

No Results Detected

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Katherine RunningCrane, 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	03/13/15 17:44

Sample ID: B-31-9.5 **Laboratory ID:** T150542-09

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.4**	5.0	ug/kg	EPA 8260B	

Sample ID: B-32-4.5 **Laboratory ID:** T150542-10

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.0**	5.0	ug/kg	EPA 8260B	

Sample ID: B-32-7.5 **Laboratory ID:** T150542-11

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.0**	5.0	ug/kg	EPA 8260B	

Sample ID: B-32-12.5 **Laboratory ID:** T150542-13

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.3**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**4800**	500	ug/kg	EPA 8260B	

Sample ID: B-32-17.5 **Laboratory ID:** T150542-15

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**16**	5.0	ug/kg	EPA 8260B	
Ethylbenzene	**14**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**9800**	500	ug/kg	EPA 8260B	

Sample ID: B-32-19.5 **Laboratory ID:** T150542-16

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**11**	5.0	ug/kg	EPA 8260B	

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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	03/13/15 17:44

Sample ID: B-32-24.5 **Laboratory ID:** T150542-17

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.0**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**500**	500	ug/kg	EPA 8260B	

Sample ID: B-33-4.5 **Laboratory ID:** T150542-18

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.6**	5.0	ug/kg	EPA 8260B	

Sample ID: B-33-7.5 **Laboratory ID:** T150542-19

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**8.2**	5.0	ug/kg	EPA 8260B	

Sample ID: B-33-11.5 **Laboratory ID:** T150542-21

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.2**	5.0	ug/kg	EPA 8260B	
Ethylbenzene	**5.0**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**6000**	500	ug/kg	EPA 8260B	

Sample ID: B-33-14.5 **Laboratory ID:** T150542-22

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**10**	5.0	ug/kg	EPA 8260B	
Ethylbenzene	**5.6**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**1500**	500	ug/kg	EPA 8260B	

Sample ID: B-33-18.0 **Laboratory ID:** T150542-23

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.3**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**1500**	500	ug/kg	EPA 8260B	

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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	03/13/15 17:44

Sample ID: B-34-7.5 **Laboratory ID:** T150542-27

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**7.5**	5.0	ug/kg	EPA 8260B	

Sample ID: B-34-12.5 **Laboratory ID:** T150542-29

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.3**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**1000**	500	ug/kg	EPA 8260B	

Sample ID: B-34-14.5 **Laboratory ID:** T150542-30

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	**9.6**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**2000**	500	ug/kg	EPA 8260B	

Sample ID: B-34-17.5 **Laboratory ID:** T150542-31

Analyte	Result	Reporting Limit	Units	Method	Notes
Isopropylbenzene	**6.3**	5.0	ug/kg	EPA 8260B	
n-Propylbenzene	**6.9**	5.0	ug/kg	EPA 8260B	
C6-C12 (GRO)	**2000**	500	ug/kg	EPA 8260B	

Sample ID: B-34-24.5 **Laboratory ID:** T150542-33

No Results Detected

Sample ID: B-32-GW **Laboratory ID:** T150542-34

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**1.6**	0.50	mg/l	EPA 8015C	
C29-C40 (MORO)	**0.58**	0.50	mg/l	EPA 8015C	
Benzene	**1.6**	0.50	ug/l	EPA 8260B	

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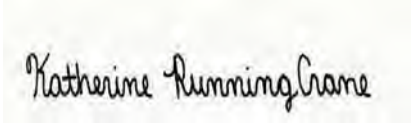

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

Sample ID: B-32-GW **Laboratory ID:** T150542-34

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	**1.2**	0.50	ug/l	EPA 8260B	
Tert-butyl alcohol	**70**	10	ug/l	EPA 8260B	

Sample ID: B-33-GW **Laboratory ID:** T150542-35

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.72**	0.50	mg/l	EPA 8015C	
Benzene	**0.57**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**2.0**	0.50	ug/l	EPA 8260B	

Sample ID: B-34-GW **Laboratory ID:** T150542-36

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.70**	0.50	mg/l	EPA 8015C	
Benzene	**2.2**	0.50	ug/l	EPA 8260B	
Toluene	**1.1**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**1.7**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**1.8**	1.0	ug/l	EPA 8260B	
Tert-butyl alcohol	**82**	10	ug/l	EPA 8260B	

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Katherine RunningCrane, 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	03/13/15 17:44

SG-1A-3.0

T150542-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*97.9 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/12/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*123 %*	*95.7-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

SG-2A-3.0

T150542-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/12/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane, 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	03/13/15 17:44

SG-3A-3.0

T150542-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*86.3 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/12/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*129 %*	*95.7-135*		"	"	"	"	

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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	03/13/15 17:44

SG-4A-3.0

T150542-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*100 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/12/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*128 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

SG-5A-3.0

T150542-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	**13**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*88.9 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

B-31-4.5

T150542-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.9 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane, 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	03/13/15 17:44

B-31-9.5

T150542-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.4**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*129 %*	*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	03/13/15 17:44

B-32-4.5

T150542-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.0**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*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	03/13/15 17:44

B-32-7.5

T150542-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*97.7 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.0**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*129 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

B-32-12.5

T150542-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*102 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.3**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**4800**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane, 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	03/13/15 17:44

B-32-17.5

T150542-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*103 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**16**	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**14**	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**9800**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*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	03/13/15 17:44

B-32-19.5

T150542-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**11**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*119 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*133 %*	*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	03/13/15 17:44

B-32-24.5

T150542-17 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*96.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**9.0**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**500**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*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	03/13/15 17:44

B-33-4.5

T150542-18 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/12/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*98.3 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.6**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*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	03/13/15 17:44

B-33-7.5

T150542-19 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**8.2**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*131 %*	*95.7-135*		"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

B-33-11.5

T150542-21 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*96.4 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**9.2**	5.0	"	"	"	"	"	"	
Ethylbenzene	**5.0**	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**6000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*126 %*	*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	03/13/15 17:44

B-33-14.5

T150542-22 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*106 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**10**	5.0	"	"	"	"	"	"	
Ethylbenzene	**5.6**	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**1500**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*130 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-33-18.0

T150542-23 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*99.9 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**9.3**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**1500**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*	*95.7-135*		"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-34-7.5

T150542-27 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*107 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**7.5**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*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	03/13/15 17:44

B-34-12.5

T150542-29 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*109 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**9.3**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**1000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*124 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-34-14.5

T150542-30 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031212	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*108 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	5.0	ug/kg	1	5031213	03/12/15	03/13/15	EPA 8260B	
Toluene	**9.6**	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	20	"	"	"	"	"	"	
Tert-butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	20	"	"	"	"	"	"	
C6-C12 (GRO)	**2000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-34-17.5

T150542-31 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031209	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*102 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-34-17.5

T150542-31 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
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	**6.3**	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	**6.9**	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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B-34-17.5

T150542-31 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Tert-amyl methyl ether	ND	20	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
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)	**2000**	500	"	"	"	"	"	"	
Surrogate: Toluene-d8		*109 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*134 %*	*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	03/13/15 17:44

B-34-24.5

T150542-33 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	ND	10	mg/kg	1	5031209	03/12/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*103 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Katherine RunningCrane, 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	03/13/15 17:44

B-34-24.5

T150542-33 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-34-24.5

T150542-33 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tert-amyl methyl ether	ND	20	ug/kg	1	5031210	03/12/15	03/12/15	EPA 8260B	
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		*104 %*	*85.5-116*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*125 %*	*95.7-135*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-32-GW

T150542-34 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	**1.6**	0.50	mg/l	1	5031137	03/11/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	**0.58**	0.50	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*94.2 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**1.6**	0.50	ug/l	1	5031214	03/12/15	03/13/15	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.2**	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**70**	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		*98.9 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*81.1-136*		"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

B-33-GW

T150542-35 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	**0.72**	0.50	mg/l	1	5031137	03/11/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*87.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**0.57**	0.50	ug/l	1	5031214	03/12/15	03/13/15	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.0**	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		*99.2 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*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	03/13/15 17:44

B-34-GW

T150542-36 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
C13-C28 (DRO)	**0.70**	0.50	mg/l	1	5031137	03/11/15	03/13/15	EPA 8015C	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*86.1 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Benzene	**2.2**	0.50	ug/l	1	5031214	03/12/15	03/13/15	EPA 8260B	
Toluene	**1.1**	0.50	"	"	"	"	"	"	
Ethylbenzene	**1.7**	0.50	"	"	"	"	"	"	
m,p-Xylene	**1.8**	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**82**	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		*94.2 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*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	03/13/15 17:44

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031137 - EPA 3510C GC										
Blank (5031137-BLK1)				Prepared: 03/11/15 Analyzed: 03/13/15						
C13-C28 (DRO)	ND	0.50	mg/l							
C29-C40 (MORO)	ND	0.50	"							
Surrogate: p-Terphenyl	*3.50*		*"*	*4.00*		*87.5*	*65-135*			
LCS (5031137-BS1)				Prepared: 03/11/15 Analyzed: 03/13/15						
C13-C28 (DRO)	17.3	0.50	mg/l	20.0		86.5	75-125			
Surrogate: p-Terphenyl	*3.51*		*"*	*4.00*		*87.8*	*65-135*			
Matrix Spike (5031137-MS1)	**Source: T150532-01**			Prepared: 03/11/15 Analyzed: 03/13/15						
C13-C28 (DRO)	17.5	0.50	mg/l	20.0	ND	87.6	75-125			
Surrogate: p-Terphenyl	*3.38*		*"*	*4.00*		*84.4*	*65-135*			
Matrix Spike Dup (5031137-MSD1)	**Source: T150532-01**			Prepared: 03/11/15 Analyzed: 03/13/15						
C13-C28 (DRO)	17.5	0.50	mg/l	20.0	ND	87.7	75-125	0.137	20	
Surrogate: p-Terphenyl	*3.06*		*"*	*4.00*		*76.4*	*65-135*			
Batch 5031209 - EPA 3550B GC										
Blank (5031209-BLK1)				Prepared: 03/12/15 Analyzed: 03/13/15						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*110*		*"*	*100*		*110*	*65-135*			
LCS (5031209-BS1)				Prepared: 03/12/15 Analyzed: 03/13/15						
C13-C28 (DRO)	460	10	mg/kg	500		91.1	75-125			
Surrogate: p-Terphenyl	*106*		*"*	*100*		*106*	*65-135*			

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031209 - EPA 3550B GC										
LCS Dup (5031209-BSD1)				Prepared: 03/12/15 Analyzed: 03/13/15						
C13-C28 (DRO)	450	10	mg/kg	500		90.1	75-125	1.20	20	
Surrogate: p-Terphenyl	*102*		*"*	*100*		*102*	*65-135*			
Batch 5031212 - EPA 3550B GC										
Blank (5031212-BLK1)				Prepared & Analyzed: 03/12/15						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*107*		*"*	*100*		*107*	*65-135*			
LCS (5031212-BS1)				Prepared & Analyzed: 03/12/15						
C13-C28 (DRO)	430	10	mg/kg	500		85.4	75-125			
Surrogate: p-Terphenyl	*96.5*		*"*	*100*		*96.5*	*65-135*			
LCS Dup (5031212-BSD1)				Prepared & Analyzed: 03/12/15						
C13-C28 (DRO)	430	10	mg/kg	500		86.4	75-125	1.20	20	
Surrogate: p-Terphenyl	*99.2*		*"*	*100*		*99.2*	*65-135*			

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

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 5031210 - EPA 5030 GCMS										
Blank (5031210-BLK1)				Prepared & Analyzed: 03/12/15						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/13/15 17:44

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 5031210 - EPA 5030 GCMS										
Blank (5031210-BLK1)				Prepared & Analyzed: 03/12/15						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*43.0*		*"*	*40.0*		*108*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*"*	*40.0*		*100*	*81.2-123*			
Surrogate: Dibromofluoromethane	*51.8*		*"*	*40.0*		*129*	*95.7-135*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, 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	03/13/15 17:44

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 5031210 - EPA 5030 GCMS										
LCS (5031210-BS1)				Prepared & Analyzed: 03/12/15						
Chlorobenzene	89.8	5.0	ug/kg	100		89.8	75-125			
1,1-Dichloroethene	109	5.0	"	100		109	75-125			
Trichloroethene	97.4	5.0	"	100		97.4	75-125			
Benzene	112	5.0	"	100		112	75-125			
Toluene	98.0	5.0	"	100		98.0	75-125			
Surrogate: Toluene-d8	*39.1*		*"*	*40.0*		*97.8*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*37.8*		*"*	*40.0*		*94.4*	*81.2-123*			
Surrogate: Dibromofluoromethane	*52.6*		*"*	*40.0*		*132*	*95.7-135*			
LCS Dup (5031210-BSD1)				Prepared & Analyzed: 03/12/15						
Chlorobenzene	96.6	5.0	ug/kg	100		96.6	75-125	7.24	20	
1,1-Dichloroethene	124	5.0	"	100		124	75-125	13.0	20	
Trichloroethene	107	5.0	"	100		107	75-125	9.63	20	
Benzene	118	5.0	"	100		118	75-125	5.31	20	
Toluene	108	5.0	"	100		108	75-125	9.30	20	
Surrogate: Toluene-d8	*38.6*		*"*	*40.0*		*96.6*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*37.9*		*"*	*40.0*		*94.8*	*81.2-123*			
Surrogate: Dibromofluoromethane	*51.2*		*"*	*40.0*		*128*	*95.7-135*			
Batch 5031213 - EPA 5030 GCMS										
Blank (5031213-BLK1)				Prepared & Analyzed: 03/12/15						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Tert-amyl methyl ether	ND	20	"							
Tert-butyl alcohol	ND	50	"							
Di-isopropyl ether	ND	20	"							
Ethyl tert-butyl ether	ND	20	"							
Methyl tert-butyl ether	ND	20	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*39.4*		*"*	*40.0*		*98.5*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*39.8*		*"*	*40.0*		*99.4*	*81.2-123*			
Surrogate: Dibromofluoromethane	*51.8*		*"*	*40.0*		*130*	*95.7-135*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
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	03/13/15 17:44

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 5031213 - EPA 5030 GCMS										
LCS (5031213-BS1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Benzene	119	5.0	ug/kg	100		119	75-125			
Toluene	117	5.0	"	100		117	75-125			
Surrogate: Toluene-d8	*42.8*		*"*	*40.0*		*107*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*38.8*		*"*	*40.0*		*97.1*	*81.2-123*			
Surrogate: Dibromofluoromethane	*52.2*		*"*	*40.0*		*131*	*95.7-135*			
LCS Dup (5031213-BSD1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Benzene	116	5.0	ug/kg	100		116	75-125	2.04	20	
Toluene	104	5.0	"	100		104	75-125	12.4	20	
Surrogate: Toluene-d8	*38.7*		*"*	*40.0*		*96.8*	*85.5-116*			
Surrogate: 4-Bromofluorobenzene	*37.0*		*"*	*40.0*		*92.4*	*81.2-123*			
Surrogate: Dibromofluoromethane	*51.8*		*"*	*40.0*		*130*	*95.7-135*			
Batch 5031214 - EPA 5030 GCMS										
Blank (5031214-BLK1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Benzene	ND	0.50	ug/l							
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	*7.41*		*"*	*8.00*		*92.6*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*6.94*		*"*	*8.00*		*86.8*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.96*		*"*	*8.00*		*112*	*81.1-136*			

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, Project Manager

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SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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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	03/13/15 17:44

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 5031214 - EPA 5030 GCMS										
LCS (5031214-BS1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Benzene	20.6	0.50	ug/l	20.0		103	75-125			
Toluene	18.3	0.50	"	20.0		91.3	75-125			
Surrogate: Toluene-d8	*7.36*		"	*8.00*		*92.0*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.35*		"	*8.00*		*104*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.62*		"	*8.00*		*120*	*81.1-136*			
LCS Dup (5031214-BSD1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Benzene	21.3	0.50	ug/l	20.0		106	75-125	3.15	20	
Toluene	18.8	0.50	"	20.0		94.2	75-125	3.18	20	
Surrogate: Toluene-d8	*7.36*		"	*8.00*		*92.0*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.00*		"	*8.00*		*100*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.28*		"	*8.00*		*116*	*81.1-136*			

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
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	03/13/15 17:44

Notes and Definitions

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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Katherine RunningCrane

Katherine RunningCrane, Project Manager

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: 3/11/15 Page: 1 Of 3
Project Name: Maz Glass
Collector: M Rosman Client Project #:
Batch #: T150542 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY + TPH-G	8260 BTEX, OXY only + TPH-G	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SG-1A-3.0	3/10/15	1300	Soil	Sleeve		X					X								01		
SG-2A-3.0		1330				X					X								02		
SG-3A-3.0		1415				X					X								03		
SG-4A-3.0		1435				X					X								04		
SG-5A-3.0		1350				X					X								05		
B-31-2.5		1455				X												X	06		
B-31-4.5		1500				X					X								07		
B-31-7.5		1505																X	08		
B-31-9.5		1510				X					X								09		
B-32-4.5		1100				X					X								10	48 HRS	
B-32-7.5		1105				X					X								11		
B-32-9.5		1110																X	12		
B-32-12.5		1115				X					X								13		
B-32-14.5		1120																X	14		
B-32-17.5		1125				X					X								15		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	3/11/15 1710		3-11-15 1750
	3-12-15 9:00		3-12-15 9:00

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 3.9

Turn around time: Need by 3/13 PM

24 HRS

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 131970

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: 3/11/15 Page: 2 Of 3
Project Name: Maz Glass
Collector: M ROSMAN Client Project #:
Batch #: 715054Z EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY + TPH-G	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) / NO	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals				HOLD	Laboratory ID #	Comments/Preservative	Total # of containers
B-32-19.5	3/10/15	1130	Soil	Sleeve													X	16		
B-32-24.5		1140				X					X							17		
B-33-4.5		0830				X					X							18		
B-33-7.5		0835				X					X							19		
B-33-9.5		0840															X	20		
B-33-11.5		0845				X					X							21		
B-33-14.5		0850				X					X							22		
B-33-18.0		0855				X	X				X							23		
B-33-19.5		0900															X	24		
B-33-24.5		0905															X	25		
B-34-4.5		1005															X	26		
B-34-7.5		1010				X					X							27		
B-34-9.5		1015															X	28		
B-34-12.5		1020				X					X							29		
B-34 14.5		1025				X					X							30		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	3/11/15 1710		3-11-15
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSC	3.12.15 9:00		3.12.15 9:00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

17 Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 3.9

Turn around time: Need by 3/13 PM

48 HRS

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 131971

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: 3/11/15 Page: 3 Of 3
Project Name: Maz Glass
Collector: M. Rosman Client Project #:
Batch #: T150542 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY + TPH-G	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) / MO	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals				Hold	Laboratory ID #	Comments/Preservative	Total # of containers
B-34-17.5	3/10/15	1030	Soil	Sleeve		X					X						X	31		
B-34-19.5		1035																32		
B-34-24.5		1045				X					X							33		
																		—		
B-32-GW	3/11/15	1140	Water	VOA		X					X							34		
B-33-GW		1150				X					X							35		
B-34-GW		1130				X					X							36		

48 HRS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	3/11/15 1710		3-11-15
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	3.12.15 9:00		3.12.15 9:00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 3.9
Turn around time: Need by 3/13 PM

Notes

~~24 HRS~~

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 131972

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T150592

Client Name: GRIBI Project: MAZ GLOSS

Received by: BRIAN Date/Time Received: 3.12.15 9:00

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 4.1 °C +/- the CF (- 0.2°C) = 3.9 °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 BC 3.12.15

Comments:

_____

_____

_____

_____

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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949.297.5020 Phone
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17 March 2015

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 03/12/15 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
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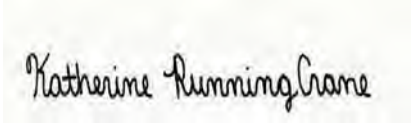
949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/17/15 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-4	T150539-01	Air	03/11/15 12:45	03/12/15 09:00
SG-5	T150539-02	Air	03/11/15 14:20	03/12/15 09:00
SG-4 Duplicate	T150539-03	Air	03/11/15 13:19	03/12/15 09:00

SunStar Laboratories, Inc.



Katherine RunningCrane, 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	03/17/15 15:01

DETECTIONS SUMMARY

Sample ID: SG-4 **Laboratory ID:** T150539-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Cyclohexane	**35000**	170	ug/m³ Air	TO-15	TO-14
Heptane	**150000**	210	ug/m³ Air	TO-15	TO-14
Hexane	**9700**	180	ug/m³ Air	TO-15	TO-14
Methane	**380000**	91	ppm(v)	8015M	
C6-C12 (GRO)	**420000**	7170	ug/m³ Air	TO-3/TO-14 m	
Carbon Dioxide	**8.01**	1.82	%	GC	
Oxygen	**2.08**	1.82	%	GC	
Nitrogen	**68.5**	0.82	%	GC	

Sample ID: SG-5 **Laboratory ID:** T150539-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Heptane	**4.8**	4.2	ug/m³ Air	TO-15	
Hexane	**4.0**	3.6	ug/m³ Air	TO-15	
Tetrachloroethene	**39**	6.9	ug/m³ Air	TO-15	
1,1,2-Trichloroethane	**17**	5.6	ug/m³ Air	TO-15	
Trichloroethene	**11**	5.5	ug/m³ Air	TO-15	
Methane	**1700**	9.2	ppm(v)	8015M	
Oxygen	**11.0**	1.85	%	GC	
Nitrogen	**71.1**	0.85	%	GC	

Sample ID: SG-4 Duplicate **Laboratory ID:** T150539-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Cyclohexane	**48000**	170	ug/m³ Air	TO-15	TO-14
Heptane	**37000**	210	ug/m³ Air	TO-15	TO-14
Hexane	**20000**	180	ug/m³ Air	TO-15	TO-14
Methane	**430000**	94	ppm(v)	8015M	
C6-C12 (GRO)	**485000**	7170	ug/m³ Air	TO-3/TO-14 m	
Carbon Dioxide	**8.64**	1.87	%	GC	
Nitrogen	**70.9**	0.87	%	GC	

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

SG-4

T150539-01 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	120	ug/m³ Air	1.82	5031219	03/12/15	03/13/15	TO-15	TO-14
1,3-Butadiene	ND	110	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	160	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	390	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	130	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	340	"	"	"	"	"	"	TO-14
Bromoform	ND	530	"	"	"	"	"	"	TO-14
Bromomethane	ND	200	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	320	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	230	"	"	"	"	"	"	TO-14
Chloroethane	ND	130	"	"	"	"	"	"	TO-14
Chloroform	ND	250	"	"	"	"	"	"	TO-14
Chloromethane	ND	110	"	"	"	"	"	"	TO-14
Cyclohexane	**35000**	170	"	"	"	"	"	"	TO-14
Heptane	**150000**	210	"	"	"	"	"	"	TO-14
Hexane	**9700**	180	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	430	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	250	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	240	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	250	"	"	"	"	"	"	TO-14

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Katherine RunningCrane, 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	03/17/15 15:01

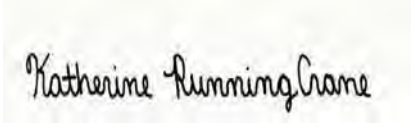
SG-4

T150539-01 (Air)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TO-15									
Methylene chloride	ND	180	ug/m³ Air	1.82	5031219	03/12/15	03/13/15	TO-15	TO-14
Styrene	ND	220	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	TO-14
Tetrahydrofuran	ND	150	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	350	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	TO-14
Trichloroethene	ND	270	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	290	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	180	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	130	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	180	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	TO-14
Methyl isobutyl ketone	ND	210	"	"	"	"	"	"	TO-14
Benzene	ND	160	"	"	"	"	"	"	TO-14
Toluene	ND	190	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	220	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	220	"	"	"	"	"	"	TO-14
o-Xylene	ND	220	"	"	"	"	"	"	TO-14
Methane by GC									
Methane	**380000**	91	ppm(v)	18.2	5031312	03/13/15	03/13/15	8015M	

SunStar Laboratories, Inc.



Katherine RunningCrane, 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	03/17/15 15:01

SG-4

T150539-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Total Volatile Organic Compounds by TO-3 (modified)									
C6-C12 (GRO)	**420000**	7170	ug/m³ Air	1.82	5031218	03/12/15	03/13/15	TO-3/TO-14 m	
Fixed Gases ASTM D1946-90									
Helium	0.00		%	1.82	5031313	03/13/15	03/13/15	GC	
Carbon Dioxide	**8.01**	1.82	"	"	"	"	"	"	
Oxygen	**2.08**	1.82	"	"	"	"	"	"	
Nitrogen	**68.5**	0.82	"	0.82	"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

SG-5

T150539-02 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	12	ug/m³ Air	1.85	5031219	03/12/15	03/13/15	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	**4.8**	4.2	"	"	"	"	"	"	
Hexane	**4.0**	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	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	03/17/15 15:01

SG-5

T150539-02 (Air)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TO-15									
Methylene chloride	ND	3.5	ug/m³ Air	1.85	5031219	03/12/15	03/13/15	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	**39**	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	**17**	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	**11**	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*64.6 %*	*40-160*		"	"	"	"	
Methane by GC									
Methane	**1700**	9.2	ppm(v)	1.85	5031312	03/13/15	03/13/15	8015M	

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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	03/17/15 15:01

SG-5

T150539-02 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Total Volatile Organic Compounds by TO-3 (modified)									
C6-C12 (GRO)	ND	7170	ug/m³ Air	1.85	5031218	03/12/15	03/13/15	TO-3/TO-14 m	
Fixed Gases ASTM D1946-90									
Helium	0.00		%	1.85	5031313	03/13/15	03/13/15	GC	
Carbon Dioxide	ND	1.85	"	"	"	"	"	"	
Oxygen	**11.0**	1.85	"	"	"	"	"	"	
Nitrogen	**71.1**	0.85	"	0.85	"	"	"	"	

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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	03/17/15 15:01

SG-4 Duplicate

T150539-03 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	120	ug/m³ Air	1.87	5031219	03/12/15	03/13/15	TO-15	TO-14
1,3-Butadiene	ND	110	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	160	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	390	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	130	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	340	"	"	"	"	"	"	TO-14
Bromoform	ND	530	"	"	"	"	"	"	TO-14
Bromomethane	ND	200	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	320	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	230	"	"	"	"	"	"	TO-14
Chloroethane	ND	130	"	"	"	"	"	"	TO-14
Chloroform	ND	250	"	"	"	"	"	"	TO-14
Chloromethane	ND	110	"	"	"	"	"	"	TO-14
Cyclohexane	**48000**	170	"	"	"	"	"	"	TO-14
Heptane	**37000**	210	"	"	"	"	"	"	TO-14
Hexane	**20000**	180	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	430	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	250	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	240	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	250	"	"	"	"	"	"	TO-14

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

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T150539-03 (Air)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TO-15									
Methylene chloride	ND	180	ug/m³ Air	1.87	5031219	03/12/15	03/13/15	TO-15	TO-14
Styrene	ND	220	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	TO-14
Tetrahydrofuran	ND	150	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	350	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	ND	280	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	TO-14
Trichloroethene	ND	270	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	290	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	180	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	130	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	180	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	TO-14
Methyl isobutyl ketone	ND	210	"	"	"	"	"	"	TO-14
Benzene	ND	160	"	"	"	"	"	"	TO-14
Toluene	ND	190	"	"	"	"	"	"	TO-14
Ethylbenzene	ND	220	"	"	"	"	"	"	TO-14
m,p-Xylene	ND	220	"	"	"	"	"	"	TO-14
o-Xylene	ND	220	"	"	"	"	"	"	TO-14
Methane by GC									
Methane	**430000**	94	ppm(v)	18.7	5031312	03/13/15	03/13/15	8015M	

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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	03/17/15 15:01

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T150539-03 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Total Volatile Organic Compounds by TO-3 (modified)									
C6-C12 (GRO)	**485000**	7170	ug/m³ Air	1.87	5031218	03/12/15	03/13/15	TO-3/TO-14 m	
Fixed Gases ASTM D1946-90									
Helium	0.00		%	1.87	5031313	03/13/15	03/13/15	GC	
Carbon Dioxide	**8.64**	1.87	"	"	"	"	"	"	
Oxygen	ND	1.87	"	"	"	"	"	"	
Nitrogen	**70.9**	0.87	"	0.87	"	"	"	"	

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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	03/17/15 15:01

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031219 - EPA 5030 GCMS										
Blank (5031219-BLK1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Acetone	ND	12	ug/m³ Air							
1,3-Butadiene	ND	4.5	"							
Carbon Disulfide	ND	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"							
Isopropyl alcohol	ND	13	"							
Bromodichloromethane	ND	6.8	"							
Bromoform	ND	11	"							
Bromomethane	ND	4.0	"							
Carbon tetrachloride	ND	6.4	"							
Chlorobenzene	ND	4.7	"							
Chloroethane	ND	2.7	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	11	"							
Cyclohexane	ND	3.5	"							
Heptane	ND	4.2	"							
Hexane	ND	3.6	"							
Dibromochloromethane	ND	8.7	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,2-Dichlorobenzene	ND	6.1	"							
1,3-Dichlorobenzene	ND	6.1	"							
1,4-Dichlorobenzene	ND	6.1	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	4.1	"							
1,2-Dichloroethane	ND	4.1	"							
1,1-Dichloroethene	ND	4.0	"							
cis-1,2-Dichloroethene	ND	4.0	"							
trans-1,2-Dichloroethene	ND	4.0	"							
1,2-Dichloropropane	ND	4.7	"							
cis-1,3-Dichloropropene	ND	4.6	"							
trans-1,3-Dichloropropene	ND	4.6	"							
4-Ethyltoluene	ND	5.0	"							
Methylene chloride	ND	3.5	"							
Styrene	ND	4.3	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
Tetrahydrofuran	ND	3.0	"							

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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	03/17/15 15:01

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031219 - EPA 5030 GCMS										
Blank (5031219-BLK1)				Prepared: 03/12/15 Analyzed: 03/13/15						
Tetrachloroethene	ND	6.9	ug/m³ Air							
1,1,2-Trichloroethane	ND	5.6	"							
1,1,1-Trichloroethane	ND	5.6	"							
Trichloroethene	ND	5.5	"							
Trichlorofluoromethane	ND	5.7	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl acetate	ND	3.6	"							
Vinyl chloride	ND	2.6	"							
1,4-Dioxane	ND	18	"							
2-Butanone (MEK)	ND	15	"							
Methyl isobutyl ketone	ND	42	"							
Benzene	ND	3.3	"							
Toluene	ND	3.8	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
o-Xylene	ND	4.4	"							
Surrogate: 4-Bromofluorobenzene	*27.2*		*"*	*45.3*		*60.2*	*40-160*			
Duplicate (5031219-DUP1)		**Source: T150539-02**		Prepared: 03/12/15 Analyzed: 03/13/15						
Acetone	ND	12	ug/m³ Air		ND				30	
1,3-Butadiene	ND	4.5	"		ND				30	
Carbon Disulfide	ND	3.2	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"		ND				30	
Isopropyl alcohol	ND	13	"		ND				30	
Bromodichloromethane	ND	6.8	"		ND				30	
Bromoform	ND	11	"		ND				30	
Bromomethane	ND	4.0	"		ND				30	
Carbon tetrachloride	ND	6.4	"		ND				30	
Chlorobenzene	ND	4.7	"		ND				30	
Chloroethane	ND	2.7	"		ND				30	
Chloroform	ND	5.0	"		ND				30	
Chloromethane	ND	11	"		ND				30	
Cyclohexane	ND	3.5	"		ND				30	
Heptane	4.62	4.2	"		4.78			3.28	30	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031219 - EPA 5030 GCMS										
Duplicate (5031219-DUP1)	**Source: T150539-02**		Prepared: 03/12/15 Analyzed: 03/13/15							
Hexane	4.31	3.6	ug/m³ Air		3.98			8.00	30	
Dibromochloromethane	ND	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	7.8	"		ND				30	
1,2-Dichlorobenzene	ND	6.1	"		ND				30	
1,3-Dichlorobenzene	ND	6.1	"		ND				30	
1,4-Dichlorobenzene	ND	6.1	"		ND				30	
Dichlorodifluoromethane	ND	5.0	"		ND				30	
1,1-Dichloroethane	ND	4.1	"		ND				30	
1,2-Dichloroethane	ND	4.1	"		ND				30	
1,1-Dichloroethene	ND	4.0	"		ND				30	
cis-1,2-Dichloroethene	ND	4.0	"		ND				30	
trans-1,2-Dichloroethene	ND	4.0	"		ND				30	
1,2-Dichloropropane	ND	4.7	"		ND				30	
cis-1,3-Dichloropropene	ND	4.6	"		ND				30	
trans-1,3-Dichloropropene	ND	4.6	"		ND				30	
4-Ethyltoluene	ND	5.0	"		ND				30	
Methylene chloride	ND	3.5	"		ND				30	
Styrene	ND	4.3	"		ND				30	
1,1,2,2-Tetrachloroethane	ND	7.0	"		ND				30	
Tetrahydrofuran	ND	3.0	"		ND				30	
Tetrachloroethene	37.8	6.9	"		39.3			3.97	30	
1,1,2-Trichloroethane	ND	5.6	"		17.3				30	
1,1,1-Trichloroethane	ND	5.6	"		ND				30	
Trichloroethene	10.1	5.5	"		10.7			5.83	30	
Trichlorofluoromethane	ND	5.7	"		ND				30	
1,3,5-Trimethylbenzene	ND	5.0	"		ND				30	
1,2,4-Trimethylbenzene	ND	5.0	"		ND				30	
Vinyl acetate	ND	3.6	"		ND				30	
Vinyl chloride	ND	2.6	"		ND				30	
1,4-Dioxane	ND	18	"		ND				30	
2-Butanone (MEK)	ND	15	"		ND				30	
Methyl isobutyl ketone	ND	42	"		ND				30	
Benzene	ND	3.3	"		ND				30	
Toluene	ND	3.8	"		ND				30	
Ethylbenzene	ND	4.4	"		ND				30	
m,p-Xylene	ND	8.8	"		ND				30	

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031219 - EPA 5030 GCMS										
Duplicate (5031219-DUP1)	**Source: T150539-02**			Prepared: 03/12/15 Analyzed: 03/13/15						
o-Xylene	ND	4.4	ug/m³ Air		ND				30	
Surrogate: 4-Bromofluorobenzene	*29.4*		*"*	*45.3*		*65.0*	*40-160*			

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

Methane by GC - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031312 - EPA 5030 GC										
Blank (5031312-BLK1)				Prepared & Analyzed: 03/13/15						
Methane	ND	5.0	ppm(v)							
Duplicate (5031312-DUP1)		**Source: T150539-01**		Prepared & Analyzed: 03/13/15						
Methane	284000	9.1	ppm(v)		376000			27.8	20	DUP-01

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

Total Volatile Organic Compounds by TO-3 (modified) - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031218 - EPA 5030 GCMS										
Blank (5031218-BLK1)				Prepared: 03/12/15 Analyzed: 03/13/15						
C6-C12 (GRO)	ND	7170	ug/m³ Air							
Duplicate (5031218-DUP1)		**Source: T150539-02**		Prepared: 03/12/15 Analyzed: 03/13/15						
C6-C12 (GRO)	ND	7170	ug/m³ Air		ND				30	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

Fixed Gases ASTM D1946-90 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031313 - EPA 5030 GC										
Blank (5031313-BLK1)				Prepared & Analyzed: 03/13/15						
Helium	0.00		%							
Carbon Dioxide	ND	1.00	"							
Oxygen	ND	1.00	"							
Nitrogen	ND	1.00	"							
Duplicate (5031313-DUP1)	**Source: T150539-02**			Prepared & Analyzed: 03/13/15						
Helium	0.00		%		0.00					
Carbon Dioxide	1.54	1.85	"		1.57			1.90	20	
Oxygen	10.3	1.85	"		11.0			6.51	20	
Nitrogen	70.0	0.85	"		71.1			1.49	20	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 15:01

Notes and Definitions

TO-14	TO-15 analysis of sample was not performed due to high concentration of analyte(s). Sample was analyzed utilizing method TO-14 and reporting limit has been adjusted accordingly.
DUP-01	The RPD result exceeded the QC control limits for this analyte; sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Katherine RunningCrane

Katherine RunningCrane, Project Manager

AIR LABORATORY

Chain of Custody Record

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

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

Date: 3/11/15 Page: 1 Of 1
Project Name: Mg2 Glass
Collector: M Rosman Client Project #:
Batch #: T150539 EDF #:

Sample ID	Date Sampled	Start Time	Finish Time	Sample Type: Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3 TPH-G	TO-14	TO-15	8015m Methane IN per cent (%)	8015m Gasoline	Fixed Gases by TCD O_2 CO_2 N, He	Summa Can # / Comments	Laboratory ID #
SG-4	3/11/15	1239	1248	SG	1L Summa	29	5	X		X	X		X	0439	01
SG-5	"	1420	1428	"	"	29	5	X		X	X		X	0042	02
SG-4-Duplicate	"	1319	1327	"	"	29	5	X		X	X		X	0629	03

48 HRS

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
		[signature]	3/11/15 12:20
[signature]	3.12.15 9:00	[signature]	3.12.15 9:00

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 20.0

Turn around time: 3/13 PM Need by

Notes
24 HRS

* TO-15 SIM analysis available upon prior notification. **(Precertified Summa cans needed)**

COCAL 145265

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE RECEIVING REVIEW SHEET

BATCH # T150539

Client Name: GRIBI Project: MAZ GLASS

Received by: BRIAN Date/Time Received: 3.12.15 9:00

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

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

Temperature: cooler #1 20.2 °C +/- the CF (- 0.2°C) = 20.0 °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 BC 3.12.15

Comments:

SEE PG 2 OF 2

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

SAMPLE NON-CONFORMANCE SHEET

BATCH # T150539

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking/Damaged
  - ☐ Other:
- **CUSTODY SEALS**
  - ☐ None
  - ☐ Not Intact
- **TEMPERATURE (SPECS 6 > 0°C)**
  - ☐ Cooler/Sample Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by client; No date/time relinquished
  - ☐ Incomplete information provide
  - ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Broken
  - ☐ Extra ☒ Missing
- **LABELS**
  - ☐ Not the same sample ID / info as on the COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
- **SAMPLES**
  - ☐ Samples **NOT RECEIVED** but listed on COC
  - ☐ Samples received but **NOT LISTED** on COC
  - ☐ Logged based on Label Information and not COC
  - ☐ Logged according to Work Plan and not COC
  - ☐ Logged in, **ON HOLD** until further notice
  - ☐ Insufficient quantities for analysis
  - ☐ Improper container used
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Not preserved/Improper preservative used
  - ☐ Without Labels, no information on containers
  - ☐ Other

COMMENTS:

CAN SSAT: 0439 WAS NOT RECEIVED

Sample fractioning only if broken container compromises other samples or if out of temp reading impacts more than one cooler

Fraction													Preser.
VOA													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, T: Terracore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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17 March 2015

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 03/13/15 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
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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	03/17/15 16:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T150564-01	Water	03/12/15 13:10	03/13/15 09:30
MW-2	T150564-02	Water	03/12/15 11:30	03/13/15 09:30
MW-3	T150564-03	Water	03/12/15 12:00	03/13/15 09:30
MW-4	T150564-04	Water	03/12/15 12:25	03/13/15 09:30

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 16:38

DETECTIONS SUMMARY

Sample ID: MW-1 **Laboratory ID:** T150564-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**1300**	50	ug/l	EPA 8015C	
n-Butylbenzene	**8.5**	1.0	ug/l	EPA 8260B	
sec-Butylbenzene	**2.9**	1.0	ug/l	EPA 8260B	
Isopropylbenzene	**16**	1.0	ug/l	EPA 8260B	
p-Isopropyltoluene	**2.1**	1.0	ug/l	EPA 8260B	
Naphthalene	**19**	1.0	ug/l	EPA 8260B	
n-Propylbenzene	**40**	1.0	ug/l	EPA 8260B	
1,3,5-Trimethylbenzene	**28**	1.0	ug/l	EPA 8260B	
1,2,4-Trimethylbenzene	**45**	1.0	ug/l	EPA 8260B	
Benzene	**210**	5.0	ug/l	EPA 8260B	
Toluene	**2.3**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**120**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**15**	1.0	ug/l	EPA 8260B	
Tert-butyl alcohol	**48**	10	ug/l	EPA 8260B	
C6-C12 (GRO)	**3700**	50	ug/l	EPA 8260B	

Sample ID: MW-2 **Laboratory ID:** T150564-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**1100**	50	ug/l	EPA 8015C	
n-Butylbenzene	**5.0**	1.0	ug/l	EPA 8260B	
sec-Butylbenzene	**2.9**	1.0	ug/l	EPA 8260B	
Isopropylbenzene	**25**	1.0	ug/l	EPA 8260B	
Naphthalene	**6.3**	1.0	ug/l	EPA 8260B	
n-Propylbenzene	**39**	1.0	ug/l	EPA 8260B	
1,3,5-Trimethylbenzene	**44**	1.0	ug/l	EPA 8260B	
1,2,4-Trimethylbenzene	**10**	1.0	ug/l	EPA 8260B	
Benzene	**270**	10	ug/l	EPA 8260B	
Toluene	**5.4**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**61**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**7.2**	1.0	ug/l	EPA 8260B	
o-Xylene	**0.50**	0.50	ug/l	EPA 8260B	

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 16:38

Sample ID: MW-2 **Laboratory ID:** T150564-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Tert-butyl alcohol	**90**	10	ug/l	EPA 8260B	
C6-C12 (GRO)	**3200**	50	ug/l	EPA 8260B	

Sample ID: MW-3 **Laboratory ID:** T150564-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**830**	50	ug/l	EPA 8015C	
Isopropylbenzene	**1.5**	1.0	ug/l	EPA 8260B	
n-Propylbenzene	**1.3**	1.0	ug/l	EPA 8260B	
1,2,4-Trimethylbenzene	**1.3**	1.0	ug/l	EPA 8260B	
Benzene	**50**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**2.7**	0.50	ug/l	EPA 8260B	
Tert-butyl alcohol	**22**	10	ug/l	EPA 8260B	
C6-C12 (GRO)	**190**	50	ug/l	EPA 8260B	

Sample ID: MW-4 **Laboratory ID:** T150564-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Diesel Range Hydrocarbons	**1500**	50	ug/l	EPA 8015C	
n-Butylbenzene	**6.4**	1.0	ug/l	EPA 8260B	
sec-Butylbenzene	**3.1**	1.0	ug/l	EPA 8260B	
Isopropylbenzene	**13**	1.0	ug/l	EPA 8260B	
p-Isopropyltoluene	**1.6**	1.0	ug/l	EPA 8260B	
Naphthalene	**18**	1.0	ug/l	EPA 8260B	
n-Propylbenzene	**21**	1.0	ug/l	EPA 8260B	
1,3,5-Trimethylbenzene	**8.4**	1.0	ug/l	EPA 8260B	
1,2,4-Trimethylbenzene	**40**	1.0	ug/l	EPA 8260B	
Benzene	**41**	0.50	ug/l	EPA 8260B	
Toluene	**7.7**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**52**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**38**	1.0	ug/l	EPA 8260B	
o-Xylene	**3.2**	0.50	ug/l	EPA 8260B	
C6-C12 (GRO)	**2700**	50	ug/l	EPA 8260B	

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Katherine RunningCrane, 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	03/17/15 16:38

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 16:38

MW-1

T150564-01 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1300**	50	ug/l	1	5031417	03/14/15	03/17/15	EPA 8015C	
Surrogate: p-Terphenyl		*86.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**8.5**	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.9**	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	5.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/17/15 16:38

MW-1

T150564-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
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	**16**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**2.1**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**19**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**40**	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	**28**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**45**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**210**	5.0	"	10	"	"	"	"	
Toluene	**2.3**	0.50	"	1	"	"	"	"	
Ethylbenzene	**120**	0.50	"	"	"	"	"	"	
m,p-Xylene	**15**	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**48**	10	"	"	"	"	"	"	

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1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/17/15 16:38

MW-1

T150564-01 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Di-isopropyl ether	ND	2.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	**3700**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*88.8-117*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
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Benicia CA, 94510	Project Manager: Jim Gribi	03/17/15 16:38

MW-2

T150564-02 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1100**	50	ug/l	1	5031417	03/14/15	03/17/15	EPA 8015C	
Surrogate: p-Terphenyl		*87.1 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**5.0**	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**2.9**	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	5.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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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	03/17/15 16:38

MW-2

T150564-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
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	**25**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**6.3**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**39**	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	**44**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**10**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**270**	10	"	20	"	"	"	"	
Toluene	**5.4**	0.50	"	1	"	"	"	"	
Ethylbenzene	**61**	0.50	"	"	"	"	"	"	
m,p-Xylene	**7.2**	1.0	"	"	"	"	"	"	
o-Xylene	**0.50**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	**90**	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	

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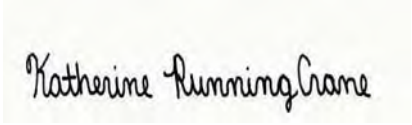

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	03/17/15 16:38

MW-2

T150564-02 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Ethyl tert-butyl ether	ND	2.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	**3200**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*88.8-117*		"	"	"	"	

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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	03/17/15 16:38

MW-3

T150564-03 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**830**	50	ug/l	1	5031417	03/14/15	03/17/15	EPA 8015C	
Surrogate: p-Terphenyl		*104 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
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	5.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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Katherine RunningCrane, 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	03/17/15 16:38

MW-3

T150564-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
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	**1.5**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	**1.3**	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	**1.3**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**50**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.7**	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	

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Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 16:38

MW-3

T150564-03 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Tert-butyl alcohol	**22**	10	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	**190**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.2 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*	*88.8-117*		"	"	"	"	

SunStar Laboratories, Inc.

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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	03/17/15 16:38

MW-4

T150564-04 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015C									
Diesel Range Hydrocarbons	**1500**	50	ug/l	1	5031417	03/14/15	03/17/15	EPA 8015C	
Surrogate: p-Terphenyl		*106 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	**6.4**	1.0	"	"	"	"	"	"	
sec-Butylbenzene	**3.1**	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	5.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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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	03/17/15 16:38

MW-4

T150564-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,3-Dichloropropane	ND	1.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
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	**13**	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	**1.6**	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	**18**	1.0	"	"	"	"	"	"	
n-Propylbenzene	**21**	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	**8.4**	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**40**	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	**41**	0.50	"	"	"	"	"	"	
Toluene	**7.7**	0.50	"	"	"	"	"	"	
Ethylbenzene	**52**	0.50	"	"	"	"	"	"	
m,p-Xylene	**38**	1.0	"	"	"	"	"	"	
o-Xylene	**3.2**	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

Katherine RunningCrane

Katherine RunningCrane, 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	03/17/15 16:38

MW-4

T150564-04 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Ethyl tert-butyl ether	ND	2.0	ug/l	1	5031340	03/13/15	03/15/15	EPA 8260B	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	**2700**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*97.4 %*	*88.8-117*		"	"	"	"	

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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	03/17/15 16:38

Extractable Petroleum Hydrocarbons by 8015C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5031417 - EPA 3510C GC										
Blank (5031417-BLK1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Diesel Range Hydrocarbons	ND	50	ug/l							SGEL
Surrogate: p-Terphenyl	*4450*		*"*	*4000*		*111*	*65-135*			*SGEL*
LCS (5031417-BS1)				Prepared: 03/14/15 Analyzed: 03/17/15						
Diesel Range Hydrocarbons	17400	50	ug/l	20000		87.1	75-125			
Surrogate: p-Terphenyl	*4180*		*"*	*4000*		*104*	*65-135*			
Matrix Spike (5031417-MS1)	**Source: T150559-01**			Prepared: 03/14/15 Analyzed: 03/17/15						
Diesel Range Hydrocarbons	17200	50	ug/l	20000	ND	86.2	75-125			
Surrogate: p-Terphenyl	*4220*		*"*	*4000*		*106*	*65-135*			
Matrix Spike Dup (5031417-MSD1)	**Source: T150559-01**			Prepared: 03/14/15 Analyzed: 03/17/15						
Diesel Range Hydrocarbons	17400	50	ug/l	20000	ND	86.8	75-125	0.710	20	
Surrogate: p-Terphenyl	*3520*		*"*	*4000*		*88.1*	*65-135*			

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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	03/17/15 16:38

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 5031340 - EPA 5030 GCMS										
Blank (5031340-BLK1)				Prepared: 03/13/15 Analyzed: 03/14/15						
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	5.0	"							
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	03/17/15 16:38

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 5031340 - EPA 5030 GCMS										
Blank (5031340-BLK1)				Prepared: 03/13/15 Analyzed: 03/14/15						
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: 4-Bromofluorobenzene	*7.34*		"	*8.00*		*91.8*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.36*		"	*8.00*		*104*	*81-136*			
Surrogate: Toluene-d8	*8.09*		"	*8.00*		*101*	*88.8-117*			

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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	03/17/15 16:38

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 5031340 - EPA 5030 GCMS										
LCS (5031340-BS1)				Prepared: 03/13/15 Analyzed: 03/15/15						
Chlorobenzene	21.4	1.0	ug/l	20.0		107	75-125			
1,1-Dichloroethene	17.9	1.0	"	20.0		89.4	75-125			
Trichloroethene	17.8	1.0	"	20.0		88.8	75-125			
Benzene	20.3	0.50	"	20.0		102	75-125			
Toluene	18.3	0.50	"	20.0		91.4	75-125			
Surrogate: 4-Bromofluorobenzene	*8.12*		*"*	*8.00*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.97*		*"*	*8.00*		*112*	*81-136*			
Surrogate: Toluene-d8	*7.57*		*"*	*8.00*		*94.6*	*88.8-117*			
LCS Dup (5031340-BSD1)				Prepared: 03/13/15 Analyzed: 03/15/15						
Chlorobenzene	21.3	1.0	ug/l	20.0		106	75-125	0.375	20	
1,1-Dichloroethene	17.6	1.0	"	20.0		88.0	75-125	1.58	20	
Trichloroethene	18.2	1.0	"	20.0		91.0	75-125	2.39	20	
Benzene	20.2	0.50	"	20.0		101	75-125	0.692	20	
Toluene	18.6	0.50	"	20.0		92.8	75-125	1.41	20	
Surrogate: 4-Bromofluorobenzene	*8.01*		*"*	*8.00*		*100*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.12*		*"*	*8.00*		*114*	*81-136*			
Surrogate: Toluene-d8	*7.65*		*"*	*8.00*		*95.6*	*88.8-117*			

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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	03/17/15 16:38

Notes and Definitions

SGEL	Sample extract was cleaned up with silica gel prior to analysis.
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

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T150564

SUNSTAR LABORATORIES

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Telephone: (949) 297-5020 Fax: (949) 297-5027

CHAIN OF CUSTODY RECORD

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

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

Report To: James Gribi **Bill To:**

Company: Gribi Associates

1090 Adams Street, Suite K

Benicia, CA 94510 **E-Mail:**

Tele: (707) 748-7743 **Fax:** (707) 748-7763

Client Name: San Pablo Avenue Ventures **Global ID:** T06019788682

Project Name: Maz Glass

Sampler Signature:

	SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
01	MW-1		3/12	1310	#6	voa	X					X	X		
02	MW-2		↓	1130	#	voa	X					X	X		
03	MW-3			1200	#	voa	X					X	X		
04	MW-4		↓	1225	#	voa	X					X	X		

Analysis Request

TPH-Gas, BTEX, MTBE (8015M/8021B)	TPH-Gas (8015M)	TPH-Diesel (8015M)	TPH-Motor Oil (8015M)	TPH-Gas, BTEX, MTBE (8260B)	TPH-Gas, BTEX, 5 Oxygenates (8260B)	TPH-Gas, BTEX, 7 Oxygenates (8260B)	5 Oxygenates (8260B)	Lead Scavengers [1,2 DCA & 1,2 EDB] (8260B)	VOC's – Full List (8260B)	Halogenated VOC's (8260B)	SVOC's (8270)	Naphthalene (8260B)	Other	Other	Other
		X			X				X			X			
		X			X				X			X			
		X			X				X			X			
		X			X				X			X			

Other

Comments

Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
[signature]	3/12/15	1445	[signature] 3-12-15
GSO	3/13/15	9:30	[signature] 3/13/15 9:30

ICE/t° 1.8

GOOD CONDITION Y

HEAD SPACE ABSENT Y

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

STD. TAT ☐

SunStar Laboratories, Inc.
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SAMPLE RECEIVING REVIEW SHEET

BATCH # T150564

Client Name: Gribi Project: Maz Glass

Received by: Rose Date/Time Received: 3/13/15 9:30

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

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

Temperature: cooler #1 1.8 °C +/- the CF (- 0.2°C) = 2.0 °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 RF 3/13/15

Comments:

_____

_____

_____

_____

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Glossary of Terms & Qualifier Definitions

Client: Gribi Associates
Project: Maz Glass
WorkOrder: 1503754

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence

Analytical Qualifiers

a1	sample diluted due to matrix interference
a2	sample diluted due to cluttered chromatogram
c9	Internal standard is out of acceptance criteria due to matrix interference therefore values are estimated

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Case Narrative

Client: Gribi Associates
Project: Maz Glass

Work Order: 1503754
March 20, 2015

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/20/15	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	1503754-001A	SoilGas	03/18/2015 13:32	GC26	102579

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	26.76	AK

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	03/20/2015 08:44

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503754-002A	SoilGas	03/18/2015 14:17	GC26	102579

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	28.87	AK

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	03/20/2015 09:00

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503754-003A	SoilGas	03/18/2015 15:04	GC26	102579

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	29.39	AK

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	03/20/2015 08:31

(Cont.)

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/20/15	**Unit:**	%

Helium

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	**1503754-004A**	**SoilGas**	**03/18/2015 15:38**	**GC26**	**102579**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.56	**29.12**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Helium	ND	0.050	1	03/20/2015 08:18

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/19/15	**Unit:**	uL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	**1503754-001A**	**SoilGas**	**03/18/2015 13:32**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	**26.76**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	2.0	1	03/19/2015 12:09
Carbon Dioxide	**140,000**	1600	40	03/19/2015 14:41
Ethane	**12,000**	80	40	03/19/2015 14:41
Ethylene	ND	2.0	1	03/19/2015 12:09
Methane	**260,000**	80	40	03/19/2015 14:41
Oxygen	**9300**	4000	1	03/19/2015 08:36
Propane	**8.9**	2.0	1	03/19/2015 12:09

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	**1503754-002A**	**SoilGas**	**03/18/2015 14:17**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	**28.87**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	2.0	1	03/19/2015 12:43
Carbon Dioxide	**100,000**	1600	40	03/19/2015 15:16
Ethane	**21**	2.0	1	03/19/2015 12:43
Ethylene	ND	2.0	1	03/19/2015 12:43
Methane	**58,000**	80	40	03/19/2015 15:16
Oxygen	**10,000**	4000	1	03/19/2015 09:07
Propane	ND	2.0	1	03/19/2015 12:43

(Cont.)

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/19/15	**Unit:**	uL/L

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	**1503754-003A**	**SoilGas**	**03/18/2015 15:04**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	**29.39**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	2.0	1	03/19/2015 13:18
Carbon Dioxide	**32,000**	1600	40	03/19/2015 15:50
Ethane	ND	2.0	1	03/19/2015 13:18
Ethylene	ND	2.0	1	03/19/2015 13:18
Methane	**47**	2.0	1	03/19/2015 13:18
Oxygen	**140,000**	4000	1	03/19/2015 09:28
Propane	ND	2.0	1	03/19/2015 13:18

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	**1503754-004A**	**SoilGas**	**03/18/2015 15:38**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.59	**29.12**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	2.0	1	03/19/2015 13:52
Carbon Dioxide	**96,000**	1600	40	03/19/2015 16:25
Ethane	ND	2.0	1	03/19/2015 13:52
Ethylene	ND	2.0	1	03/19/2015 13:52
Methane	**3.0**	2.0	1	03/19/2015 13:52
Oxygen	**90,000**	4000	1	03/19/2015 09:49
Propane	ND	2.0	1	03/19/2015 13:52

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/19/15	**Unit:**	%

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	**1503754-001A**	**SoilGas**	**03/18/2015 13:32**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	**26.76**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	0.00020	1	03/19/2015 12:09
Carbon Dioxide	**14**	0.16	40	03/19/2015 14:41
Ethane	**1.2**	0.0080	40	03/19/2015 14:41
Ethylene	ND	0.00020	1	03/19/2015 12:09
Methane	**26**	0.0080	40	03/19/2015 14:41
Oxygen	**0.93**	0.40	1	03/19/2015 08:36
Propane	**0.00089**	0.00020	1	03/19/2015 12:09

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	**1503754-002A**	**SoilGas**	**03/18/2015 14:17**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	**28.87**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	0.00020	1	03/19/2015 12:43
Carbon Dioxide	**10**	0.16	40	03/19/2015 15:16
Ethane	**0.0021**	0.00020	1	03/19/2015 12:43
Ethylene	ND	0.00020	1	03/19/2015 12:43
Methane	**5.8**	0.0080	40	03/19/2015 15:16
Oxygen	**1.0**	0.40	1	03/19/2015 09:07
Propane	ND	0.00020	1	03/19/2015 12:43

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	ASTM D 1946-90
Date Received:	3/18/15 18:43	**Analytical Method:**	ASTM D 1946-90
Date Prepared:	3/19/15	**Unit:**	%

Light Gases

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	**1503754-003A**	**SoilGas**	**03/18/2015 15:04**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	**29.39**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	0.00020	1	03/19/2015 13:18
Carbon Dioxide	**3.2**	0.16	40	03/19/2015 15:50
Ethane	ND	0.00020	1	03/19/2015 13:18
Ethylene	ND	0.00020	1	03/19/2015 13:18
Methane	**0.0047**	0.00020	1	03/19/2015 13:18
Oxygen	**14**	0.40	1	03/19/2015 09:28
Propane	ND	0.00020	1	03/19/2015 13:18

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	**1503754-004A**	**SoilGas**	**03/18/2015 15:38**	**GC26**	**102575**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.59	**29.12**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetylene	ND	0.00020	1	03/19/2015 13:52
Carbon Dioxide	**9.6**	0.16	40	03/19/2015 16:25
Ethane	ND	0.00020	1	03/19/2015 13:52
Ethylene	ND	0.00020	1	03/19/2015 13:52
Methane	**0.00030**	0.00020	1	03/19/2015 13:52
Oxygen	**9.0**	0.40	1	03/19/2015 09:49
Propane	ND	0.00020	1	03/19/2015 13:52

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	SW5030B
Date Received:	3/18/15 18:43	**Analytical Method:**	SW8260B
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	1503754-001A	SoilGas	03/18/2015 13:32	GC10	102581

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	26.76	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	200,000	20	03/20/2015 12:49
tert-Amyl methyl ether (TAME)	ND	10,000	20	03/20/2015 12:49
Benzene	ND	10,000	20	03/20/2015 12:49
Bromobenzene	ND	10,000	20	03/20/2015 12:49
Bromochloromethane	ND	5.0	20	03/20/2015 12:49
Bromodichloromethane	ND	10,000	20	03/20/2015 12:49
Bromoform	ND	10,000	20	03/20/2015 12:49
Bromomethane	ND	10,000	20	03/20/2015 12:49
2-Butanone (MEK)	ND	40,000	20	03/20/2015 12:49
t-Butyl alcohol (TBA)	ND	100,000	20	03/20/2015 12:49
n-Butyl benzene	ND	10,000	20	03/20/2015 12:49
sec-Butyl benzene	ND	10,000	20	03/20/2015 12:49
tert-Butyl benzene	ND	10,000	20	03/20/2015 12:49
Carbon Disulfide	ND	10,000	20	03/20/2015 12:49
Carbon Tetrachloride	ND	10,000	20	03/20/2015 12:49
Chlorobenzene	ND	10,000	20	03/20/2015 12:49
Chloroethane	ND	10,000	20	03/20/2015 12:49
Chloroform	ND	10,000	20	03/20/2015 12:49
Chloromethane	ND	10,000	20	03/20/2015 12:49
2-Chlorotoluene	ND	10,000	20	03/20/2015 12:49
4-Chlorotoluene	ND	10,000	20	03/20/2015 12:49
Dibromochloromethane	ND	10,000	20	03/20/2015 12:49
1,2-Dibromo-3-chloropropane	ND	10,000	20	03/20/2015 12:49
1,2-Dibromoethane (EDB)	ND	10,000	20	03/20/2015 12:49
Dibromomethane	ND	10,000	20	03/20/2015 12:49
1,2-Dichlorobenzene	ND	10,000	20	03/20/2015 12:49
1,3-Dichlorobenzene	ND	10,000	20	03/20/2015 12:49
1,4-Dichlorobenzene	ND	10,000	20	03/20/2015 12:49
Dichlorodifluoromethane	ND	10,000	20	03/20/2015 12:49
1,1-Dichloroethane	ND	10,000	20	03/20/2015 12:49
1,2-Dichloroethane (1,2-DCA)	ND	10,000	20	03/20/2015 12:49
1,1-Dichloroethene	ND	10,000	20	03/20/2015 12:49
cis-1,2-Dichloroethene	ND	10,000	20	03/20/2015 12:49
trans-1,2-Dichloroethene	ND	10,000	20	03/20/2015 12:49

(Cont.)

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	SW5030B
Date Received:	3/18/15 18:43	**Analytical Method:**	SW8260B
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	1503754-001A	SoilGas	03/18/2015 13:32	GC10	102581

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	26.76	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloropropane	ND	10,000	20	03/20/2015 12:49
1,3-Dichloropropane	ND	10,000	20	03/20/2015 12:49
2,2-Dichloropropane	ND	10,000	20	03/20/2015 12:49
1,1-Dichloropropene	ND	10,000	20	03/20/2015 12:49
cis-1,3-Dichloropropene	ND	10,000	20	03/20/2015 12:49
trans-1,3-Dichloropropene	ND	10,000	20	03/20/2015 12:49
Diisopropyl ether (DIPE)	ND	10,000	20	03/20/2015 12:49
Ethylbenzene	ND	10,000	20	03/20/2015 12:49
Ethyl tert-butyl ether (ETBE)	ND	10,000	20	03/20/2015 12:49
Freon 113	ND	200,000	20	03/20/2015 12:49
Hexachlorobutadiene	ND	10,000	20	03/20/2015 12:49
Hexachloroethane	ND	10,000	20	03/20/2015 12:49
2-Hexanone	ND	10,000	20	03/20/2015 12:49
Isopropylbenzene	ND	10,000	20	03/20/2015 12:49
4-Isopropyl toluene	ND	10,000	20	03/20/2015 12:49
Methyl-t-butyl ether (MTBE)	ND	10,000	20	03/20/2015 12:49
Methylene chloride	ND	10,000	20	03/20/2015 12:49
4-Methyl-2-pentanone (MIBK)	ND	10,000	20	03/20/2015 12:49
Naphthalene	ND	10,000	20	03/20/2015 12:49
n-Propyl benzene	ND	10,000	20	03/20/2015 12:49
Styrene	ND	10,000	20	03/20/2015 12:49
1,1,1,2-Tetrachloroethane	ND	10,000	20	03/20/2015 12:49
1,1,2,2-Tetrachloroethane	ND	10,000	20	03/20/2015 12:49
Tetrachloroethene	ND	10,000	20	03/20/2015 12:49
Toluene	ND	10,000	20	03/20/2015 12:49
1,2,3-Trichlorobenzene	ND	10,000	20	03/20/2015 12:49
1,2,4-Trichlorobenzene	ND	10,000	20	03/20/2015 12:49
1,1,1-Trichloroethane	ND	10,000	20	03/20/2015 12:49
1,1,2-Trichloroethane	ND	10,000	20	03/20/2015 12:49
Trichloroethene	ND	10,000	20	03/20/2015 12:49
Trichlorofluoromethane	ND	10,000	20	03/20/2015 12:49
1,2,3-Trichloropropane	ND	10,000	20	03/20/2015 12:49
1,2,4-Trimethylbenzene	ND	10,000	20	03/20/2015 12:49
1,3,5-Trimethylbenzene	ND	10,000	20	03/20/2015 12:49

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	SW5030B
Date Received:	3/18/15 18:43	**Analytical Method:**	SW8260B
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SG-4	**1503754-001A**	**SoilGas**	**03/18/2015 13:32**	**GC10**	**102581**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.43	**26.76**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Vinyl Chloride	ND	10,000	20	03/20/2015 12:49
Xylenes, Total	ND	10,000	20	03/20/2015 12:49
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	89	70-130		03/20/2015 12:49
Toluene-d8	84	70-130		03/20/2015 12:49
4-BFB	100	70-130		03/20/2015 12:49

Analytical Comments: a2

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503754-002A	SoilGas	03/18/2015 14:17	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	28.87	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	600	10	03/20/2015 13:22
Acrolein	ND	12	10	03/20/2015 13:22
Acrylonitrile	ND	11	10	03/20/2015 13:22
tert-Amyl methyl ether (TAME)	ND	21	10	03/20/2015 13:22
Benzene	**17**	16	10	03/20/2015 13:22
Benzyl chloride	ND	26	10	03/20/2015 13:22
Bromodichloromethane	ND	35	10	03/20/2015 13:22
Bromoform	ND	52	10	03/20/2015 13:22
Bromomethane	ND	20	10	03/20/2015 13:22
1,3-Butadiene	ND	11	10	03/20/2015 13:22
2-Butanone (MEK)	ND	750	10	03/20/2015 13:22
t-Butyl alcohol (TBA)	ND	310	10	03/20/2015 13:22
Carbon Disulfide	ND	16	10	03/20/2015 13:22
Carbon Tetrachloride	ND	32	10	03/20/2015 13:22
Chlorobenzene	ND	24	10	03/20/2015 13:22
Chloroethane	ND	13	10	03/20/2015 13:22
Chloroform	ND	24	10	03/20/2015 13:22
Chloromethane	ND	10	10	03/20/2015 13:22
Cyclohexane	ND	180	10	03/20/2015 13:22
Dibromochloromethane	ND	44	10	03/20/2015 13:22
1,2-Dibromo-3-chloropropane	ND	1.2	10	03/20/2015 13:22
1,2-Dibromoethane (EDB)	ND	39	10	03/20/2015 13:22
1,2-Dichlorobenzene	ND	30	10	03/20/2015 13:22
1,3-Dichlorobenzene	ND	30	10	03/20/2015 13:22
1,4-Dichlorobenzene	ND	30	10	03/20/2015 13:22
Dichlorodifluoromethane	ND	25	10	03/20/2015 13:22
1,1-Dichloroethane	ND	20	10	03/20/2015 13:22
1,2-Dichloroethane (1,2-DCA)	ND	20	10	03/20/2015 13:22
1,1-Dichloroethene	ND	20	10	03/20/2015 13:22
cis-1,2-Dichloroethene	ND	20	10	03/20/2015 13:22
trans-1,2-Dichloroethene	ND	20	10	03/20/2015 13:22
1,2-Dichloropropane	ND	24	10	03/20/2015 13:22
cis-1,3-Dichloropropene	ND	23	10	03/20/2015 13:22
trans-1,3-Dichloropropene	ND	23	10	03/20/2015 13:22

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503754-002A	SoilGas	03/18/2015 14:17	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	28.87	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	36	10	03/20/2015 13:22
Diisopropyl ether (DIPE)	ND	21	10	03/20/2015 13:22
1,4-Dioxane	ND	18	10	03/20/2015 13:22
Ethanol	ND	960	10	03/20/2015 13:22
Ethyl acetate	ND	18	10	03/20/2015 13:22
Ethyl tert-butyl ether (ETBE)	ND	21	10	03/20/2015 13:22
Ethylbenzene	ND	22	10	03/20/2015 13:22
4-Ethyltoluene	ND	25	10	03/20/2015 13:22
Freon 113	ND	39	10	03/20/2015 13:22
Heptane	ND	210	10	03/20/2015 13:22
Hexachlorobutadiene	ND	54	10	03/20/2015 13:22
Hexane	ND	180	10	03/20/2015 13:22
2-Hexanone	ND	21	10	03/20/2015 13:22
4-Methyl-2-pentanone (MIBK)	ND	21	10	03/20/2015 13:22
Methyl-t-butyl ether (MTBE)	ND	18	10	03/20/2015 13:22
Methylene chloride	ND	18	10	03/20/2015 13:22
Methyl methacrylate	ND	21	10	03/20/2015 13:22
Naphthalene	ND	53	10	03/20/2015 13:22
Propene	ND	880	10	03/20/2015 13:22
Styrene	ND	22	10	03/20/2015 13:22
1,1,1,2-Tetrachloroethane	ND	35	10	03/20/2015 13:22
1,1,2,2-Tetrachloroethane	ND	35	10	03/20/2015 13:22
Tetrachloroethene	ND	34	10	03/20/2015 13:22
Tetrahydrofuran	ND	15	10	03/20/2015 13:22
Toluene	**23**	19	10	03/20/2015 13:22
1,2,4-Trichlorobenzene	ND	38	10	03/20/2015 13:22
1,1,1-Trichloroethane	ND	28	10	03/20/2015 13:22
1,1,2-Trichloroethane	ND	28	10	03/20/2015 13:22
Trichloroethene	ND	28	10	03/20/2015 13:22
Trichlorofluoromethane	ND	29	10	03/20/2015 13:22
1,2,4-Trimethylbenzene	ND	25	10	03/20/2015 13:22
1,3,5-Trimethylbenzene	ND	25	10	03/20/2015 13:22
Vinyl Acetate	ND	18	10	03/20/2015 13:22
Vinyl Chloride	ND	13	10	03/20/2015 13:22

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	**1503754-002A**	**SoilGas**	**03/18/2015 14:17**	**GC24**	**102572**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.48	**28.87**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	ND	66	10	03/20/2015 13:22
Surrogates	**REC (%)**	**Limits**		
1,2-DCA-d4	82	70-130		03/20/2015 13:22
Toluene-d8	116	70-130		03/20/2015 13:22
4-BFB	110	70-130		03/20/2015 13:22

Analytical Comments: c9

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503754-003A	SoilGas	03/18/2015 15:04	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	29.39	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	600	10	03/20/2015 02:01
Acrolein	ND	12	10	03/20/2015 02:01
Acrylonitrile	ND	11	10	03/20/2015 02:01
tert-Amyl methyl ether (TAME)	ND	21	10	03/20/2015 02:01
Benzene	ND	16	10	03/20/2015 02:01
Benzyl chloride	ND	26	10	03/20/2015 02:01
Bromodichloromethane	ND	35	10	03/20/2015 02:01
Bromoform	ND	52	10	03/20/2015 02:01
Bromomethane	ND	20	10	03/20/2015 02:01
1,3-Butadiene	ND	11	10	03/20/2015 02:01
2-Butanone (MEK)	ND	750	10	03/20/2015 02:01
t-Butyl alcohol (TBA)	ND	310	10	03/20/2015 02:01
Carbon Disulfide	ND	16	10	03/20/2015 02:01
Carbon Tetrachloride	ND	32	10	03/20/2015 02:01
Chlorobenzene	ND	24	10	03/20/2015 02:01
Chloroethane	ND	13	10	03/20/2015 02:01
Chloroform	**36**	24	10	03/20/2015 02:01
Chloromethane	ND	10	10	03/20/2015 02:01
Cyclohexane	ND	180	10	03/20/2015 02:01
Dibromochloromethane	ND	44	10	03/20/2015 02:01
1,2-Dibromo-3-chloropropane	ND	1.2	10	03/20/2015 02:01
1,2-Dibromoethane (EDB)	ND	39	10	03/20/2015 02:01
1,2-Dichlorobenzene	ND	30	10	03/20/2015 02:01
1,3-Dichlorobenzene	ND	30	10	03/20/2015 02:01
1,4-Dichlorobenzene	ND	30	10	03/20/2015 02:01
Dichlorodifluoromethane	ND	25	10	03/20/2015 02:01
1,1-Dichloroethane	ND	20	10	03/20/2015 02:01
1,2-Dichloroethane (1,2-DCA)	ND	20	10	03/20/2015 02:01
1,1-Dichloroethene	ND	20	10	03/20/2015 02:01
cis-1,2-Dichloroethene	ND	20	10	03/20/2015 02:01
trans-1,2-Dichloroethene	ND	20	10	03/20/2015 02:01
1,2-Dichloropropane	ND	24	10	03/20/2015 02:01
cis-1,3-Dichloropropene	ND	23	10	03/20/2015 02:01
trans-1,3-Dichloropropene	ND	23	10	03/20/2015 02:01

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503754-003A	SoilGas	03/18/2015 15:04	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	29.39	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	36	10	03/20/2015 02:01
Diisopropyl ether (DIPE)	ND	21	10	03/20/2015 02:01
1,4-Dioxane	ND	18	10	03/20/2015 02:01
Ethanol	ND	960	10	03/20/2015 02:01
Ethyl acetate	ND	18	10	03/20/2015 02:01
Ethyl tert-butyl ether (ETBE)	ND	21	10	03/20/2015 02:01
Ethylbenzene	ND	22	10	03/20/2015 02:01
4-Ethyltoluene	**31**	25	10	03/20/2015 02:01
Freon 113	ND	39	10	03/20/2015 02:01
Heptane	ND	210	10	03/20/2015 02:01
Hexachlorobutadiene	ND	54	10	03/20/2015 02:01
Hexane	ND	180	10	03/20/2015 02:01
2-Hexanone	ND	21	10	03/20/2015 02:01
4-Methyl-2-pentanone (MIBK)	ND	21	10	03/20/2015 02:01
Methyl-t-butyl ether (MTBE)	ND	18	10	03/20/2015 02:01
Methylene chloride	ND	18	10	03/20/2015 02:01
Methyl methacrylate	ND	21	10	03/20/2015 02:01
Naphthalene	ND	53	10	03/20/2015 02:01
Propene	ND	880	10	03/20/2015 02:01
Styrene	ND	22	10	03/20/2015 02:01
1,1,1,2-Tetrachloroethane	ND	35	10	03/20/2015 02:01
1,1,2,2-Tetrachloroethane	ND	35	10	03/20/2015 02:01
Tetrachloroethene	ND	34	10	03/20/2015 02:01
Tetrahydrofuran	ND	15	10	03/20/2015 02:01
Toluene	**35**	19	10	03/20/2015 02:01
1,2,4-Trichlorobenzene	ND	38	10	03/20/2015 02:01
1,1,1-Trichloroethane	ND	28	10	03/20/2015 02:01
1,1,2-Trichloroethane	ND	28	10	03/20/2015 02:01
Trichloroethene	ND	28	10	03/20/2015 02:01
Trichlorofluoromethane	ND	29	10	03/20/2015 02:01
1,2,4-Trimethylbenzene	**140**	25	10	03/20/2015 02:01
1,3,5-Trimethylbenzene	**74**	25	10	03/20/2015 02:01
Vinyl Acetate	ND	18	10	03/20/2015 02:01
Vinyl Chloride	ND	13	10	03/20/2015 02:01

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	**1503754-003A**	**SoilGas**	**03/18/2015 15:04**	**GC24**	**102572**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.73	**29.39**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	**130**	66	10	03/20/2015 02:01
Surrogates	**REC (%)**	**Limits**		
1,2-DCA-d4	71	70-130		03/20/2015 02:01
Toluene-d8	105	70-130		03/20/2015 02:01
4-BFB	98	70-130		03/20/2015 02:01

Analytical Comments: a1

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	1503754-004A	SoilGas	03/18/2015 15:38	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.59	29.12	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	03/20/2015 14:03
Acrolein	ND	1.2	1	03/20/2015 14:03
Acrylonitrile	ND	1.1	1	03/20/2015 14:03
tert-Amyl methyl ether (TAME)	ND	2.1	1	03/20/2015 14:03
Benzene	**4.0**	1.6	1	03/20/2015 14:03
Benzyl chloride	ND	2.6	1	03/20/2015 14:03
Bromodichloromethane	ND	3.5	1	03/20/2015 14:03
Bromoform	ND	5.2	1	03/20/2015 14:03
Bromomethane	ND	2.0	1	03/20/2015 14:03
1,3-Butadiene	ND	1.1	1	03/20/2015 14:03
2-Butanone (MEK)	ND	75	1	03/20/2015 14:03
t-Butyl alcohol (TBA)	ND	31	1	03/20/2015 14:03
Carbon Disulfide	ND	1.6	1	03/20/2015 14:03
Carbon Tetrachloride	ND	3.2	1	03/20/2015 14:03
Chlorobenzene	ND	2.4	1	03/20/2015 14:03
Chloroethane	ND	1.3	1	03/20/2015 14:03
Chloroform	**27**	2.4	1	03/20/2015 14:03
Chloromethane	ND	1.0	1	03/20/2015 14:03
Cyclohexane	ND	18	1	03/20/2015 14:03
Dibromochloromethane	ND	4.4	1	03/20/2015 14:03
1,2-Dibromo-3-chloropropane	ND	0.12	1	03/20/2015 14:03
1,2-Dibromoethane (EDB)	ND	3.9	1	03/20/2015 14:03
1,2-Dichlorobenzene	ND	3.0	1	03/20/2015 14:03
1,3-Dichlorobenzene	ND	3.0	1	03/20/2015 14:03
1,4-Dichlorobenzene	ND	3.0	1	03/20/2015 14:03
Dichlorodifluoromethane	ND	2.5	1	03/20/2015 14:03
1,1-Dichloroethane	ND	2.0	1	03/20/2015 14:03
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	03/20/2015 14:03
1,1-Dichloroethene	ND	2.0	1	03/20/2015 14:03
cis-1,2-Dichloroethene	ND	2.0	1	03/20/2015 14:03
trans-1,2-Dichloroethene	ND	2.0	1	03/20/2015 14:03
1,2-Dichloropropane	ND	2.4	1	03/20/2015 14:03
cis-1,3-Dichloropropene	ND	2.3	1	03/20/2015 14:03
trans-1,3-Dichloropropene	ND	2.3	1	03/20/2015 14:03

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	1503754-004A	SoilGas	03/18/2015 15:38	GC24	102572

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.59	29.12	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	03/20/2015 14:03
Diisopropyl ether (DIPE)	ND	2.1	1	03/20/2015 14:03
1,4-Dioxane	ND	1.8	1	03/20/2015 14:03
Ethanol	ND	96	1	03/20/2015 14:03
Ethyl acetate	ND	1.8	1	03/20/2015 14:03
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	03/20/2015 14:03
Ethylbenzene	**5.4**	2.2	1	03/20/2015 14:03
4-Ethyltoluene	**6.3**	2.5	1	03/20/2015 14:03
Freon 113	ND	3.9	1	03/20/2015 14:03
Heptane	ND	21	1	03/20/2015 14:03
Hexachlorobutadiene	ND	5.4	1	03/20/2015 14:03
Hexane	ND	18	1	03/20/2015 14:03
2-Hexanone	ND	2.1	1	03/20/2015 14:03
4-Methyl-2-pentanone (MIBK)	**5.1**	2.1	1	03/20/2015 14:03
Methyl-t-butyl ether (MTBE)	ND	1.8	1	03/20/2015 14:03
Methylene chloride	ND	1.8	1	03/20/2015 14:03
Methyl methacrylate	ND	2.1	1	03/20/2015 14:03
Naphthalene	ND	5.3	1	03/20/2015 14:03
Propene	ND	88	1	03/20/2015 14:03
Styrene	ND	2.2	1	03/20/2015 14:03
1,1,1,2-Tetrachloroethane	ND	3.5	1	03/20/2015 14:03
1,1,2,2-Tetrachloroethane	ND	3.5	1	03/20/2015 14:03
Tetrachloroethene	**4.3**	3.4	1	03/20/2015 14:03
Tetrahydrofuran	ND	1.5	1	03/20/2015 14:03
Toluene	**12**	1.9	1	03/20/2015 14:03
1,2,4-Trichlorobenzene	ND	3.8	1	03/20/2015 14:03
1,1,1-Trichloroethane	ND	2.8	1	03/20/2015 14:03
1,1,2-Trichloroethane	ND	2.8	1	03/20/2015 14:03
Trichloroethene	ND	2.8	1	03/20/2015 14:03
Trichlorofluoromethane	ND	2.8	1	03/20/2015 14:03
1,2,4-Trimethylbenzene	**19**	2.5	1	03/20/2015 14:03
1,3,5-Trimethylbenzene	**6.8**	2.5	1	03/20/2015 14:03
Vinyl Acetate	ND	1.8	1	03/20/2015 14:03
Vinyl Chloride	ND	1.3	1	03/20/2015 14:03

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1503754
Project:	Maz Glass	**Extraction Method:**	TO15
Date Received:	3/18/15 18:43	**Analytical Method:**	TO15
Date Prepared:	3/20/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	**1503754-004A**	**SoilGas**	**03/18/2015 15:38**	**GC24**	**102572**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
14.59	**29.12**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	**32**	6.6	1	03/20/2015 14:03

Surrogates	REC (%)	Limits	
1,2-DCA-d4	73	70-130	03/20/2015 14:03
Toluene-d8	107	70-130	03/20/2015 14:03
4-BFB	96	70-130	03/20/2015 14:03

Analytical Comments: c9

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1503754 **ClientCode: GRIB**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jim Gribi
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510
(707) 748-7743 FAX: (707) 748-7763

Email: jgribi@gribiassociates.com; TFerrell@gribi
cc/3rd Party:
PO:
ProjectNo: Maz Glass

Bill to:
Terry Ferrell
Gribi Associates
1090 Adams St., Suite K
Benicia, CA 94510

Requested TAT: 1 day

Date Received: **03/18/2015**
Date Printed: **03/18/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1503754-001	SG-4	SoilGas	3/18/2015 13:32	☐	A	A	A	A								
1503754-002	SS-1	SoilGas	3/18/2015 14:17	☐	A	A	A	A								
1503754-003	SS-2	SoilGas	3/18/2015 15:04	☐	A	A	A	A								
1503754-004	SS-3	SoilGas	3/18/2015 15:38	☐	A	A	A	A								

Test Legend:

1	HELIUM_LC_SOILGAS(%)	2	LG_SUMMA_SOILGAS	3	O15_Scan-SIM_SOIL(UG/M3	4	TO15-8260_SOIL(UG/M3)	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup.

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GRIBI ASSOCIATES
QC Level: LEVEL 2
Work Order: 1503754
Project: Maz Glass
Client Contact: Jim Gribi
Date Received: 3/18/2015
Comments:
Contact's Email: jgribi@gribiassociates.com; TFerrell@gribiassociates.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503754-001A	SG-4	SoilGas	TO15 w/ Helium	1	1L Summa	☐	3/18/2015 13:32	1 day		☐	
			ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Ethane_4, Methane_4, Nitrogen, Oxygen>			☐		1 day		☐	
1503754-002A	SS-1	SoilGas	TO15 w/ Helium	1	1L Summa	☐	3/18/2015 14:17	1 day		☐	
			ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Ethane_4, Methane_4, Nitrogen, Oxygen>			☐		1 day		☐	
1503754-003A	SS-2	SoilGas	TO15 w/ Helium	1	1L Summa	☐	3/18/2015 15:04	1 day		☐	
			ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Ethane_4, Methane_4, Nitrogen, Oxygen>			☐		1 day		☐	
1503754-004A	SS-3	SoilGas	TO15 w/ Helium	1	1L Summa	☐	3/18/2015 15:38	1 day		☐	
			ASTM D1946-90 (Light Gases) <Carbon Dioxide_2, Ethane_4, Methane_4, Nitrogen, Oxygen>			☐		1 day		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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RUSH

150375

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☒ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 DAY ☐
GeoTracker EDF ☐ PDF ☒ EDD ☐ EQuIS ☐ 10 DAY ☐
UST Clean Up Fund Project ☐ Claim #

Report To: Jim Gribi	Bill To:
Company: Gribi Associates	
1090 Adams St, Suite K	
Benicia, CA 94510	E-Mail:
Tele: (707) 748-7743	Fax: (707) 748-7763
Project #:	Project Name: Maz Glass
Project Location: Emeryville, CA	
Sampler Signature:	

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	VOCs by TO-15 (ug/m3)	8010 by TO-15 (ug/m3)	TPH(g) (ug/m3)	LEED (inc. 4PCH, Formaldehyde, CO, Total VOCs)	Fixed Gases (O2/N2/CO2/Methane, Ethane, Ethylene, Acetylene, CO (please circle or indicate in notes) uL/L	Fixed Gas (O2/N2/CO) (please circle) uL/L	Fixed Gas: Propane uL/L	Helium Leak Check (%)	Leak Check (IPA, Norflorane, 1,1-difluroethane) ug/m3	APH: Aliphatic and/or Aromatic (please circle) ug/m3	Other:	Matrix: Soilgas	Matrix: Indoor Air	Cannister Pressure/ Vacuum: Initial	Cannister Pressure/ Vacuum: Final
SG-4	3/18	1332	1920-1903		X				X	X		X				X		29	ϕ
SS-1	3/18	1417	1925-1908		X				X	X		X				X		29	ϕ
SS-2	3/18	1504	1921-1904		X				X	X		X				X		29	ϕ
SS-3	3/18	1538	~~1525-1538~~ 1917		X				X	X		X				X		29	ϕ

Helium Shroud SN#

Other:

Notes: Please Specify units if different than defaults VOCs is ug/m3 and fixed gas is uL/L. Leak check default is IPA.

Relinquished By:	Date:	Time:	Received By:
	3/18/15	1620	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Temp (°C): _____ Work Order #: _____

Condition: _____

Custody Seals Intact?: Yes _____ No _____ None _____

Shipped Via: _____

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Sample Receipt Checklist

Client Name: **Gribi Associates**
Date and Time Received: **3/18/2015 6:43:26 PM**

Project Name: **Maz Glass**
LogIn Reviewed by: Jena Alfaro

WorkOrder №: **1503754** Matrix: SoilGas
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Sample/Temp Blank temperature	Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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4/9/2015
Mr. Jim Gribi
Gribi and Associates
1090 Adams Street
Suite K
Benicia CA 94510

Project Name: MAZ GLASS
Project #:
Workorder #: 1503488A

Dear Mr. Jim Gribi

The following report includes the data for the above referenced project for sample(s) received on 3/27/2015 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1503488A

Work Order Summary

CLIENT:	Mr. Jim Gribi Gribi and Associates 1090 Adams Street Suite K Benicia, CA 94510	**BILL TO:**	Mr. Jim Gribi Gribi and Associates 1090 Adams Street Suite K Benicia, CA 94510
PHONE:	707-748-7743	**P.O. #**	
FAX:	707-748-7763	**PROJECT #**	MAZ GLASS
DATE RECEIVED:	03/27/2015	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	04/09/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SS-4	TO-15	1.6 "Hg	14.9 psi
02A	SS-5	TO-15	1.6 "Hg	14.8 psi
03A	SS-6	TO-15	1.4 "Hg	15.2 psi
04A	SS-7	TO-15	1.8 "Hg	14.9 psi
05A	SS-8	TO-15	1.2 "Hg	15.2 psi
06A	SS-9	TO-15	1.4 "Hg	14.7 psi
07A	SS-10	TO-15	1 "Hg	15.1 psi
08A	SS-11	TO-15	1.4 "Hg	15.2 psi
09A	Lab Blank	TO-15	NA	NA
10A	CCV	TO-15	NA	NA
11A	LCS	TO-15	NA	NA
11AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 04/09/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
Gribi and Associates
Workorder# 1503488A

Eight 1 Liter Summa Canister samples were received on March 27, 2015. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A single point calibration for TPH referenced to Gasoline was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

Dilution was performed on sample SS-7 due to the presence of high level non-target species.

The Relative Percent Difference (RPD) of the LCS/LCSD exceeded the acceptance limit for 1,2,4-Trichlorobenzene.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-4

Lab ID#: 1503488A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	11	28	25	66
2-Butanone (Methyl Ethyl Ketone)	4.3	6.5	12	19
Benzene	1.1	2.7	3.4	8.6
4-Methyl-2-pentanone	1.1	320	4.4	1300
Toluene	1.1	23	4.0	86
Ethyl Benzene	1.1	9.3	4.6	40
m,p-Xylene	1.1	47	4.6	200
o-Xylene	1.1	30	4.6	130
Cumene	1.1	1.2	5.2	6.1
4-Ethyltoluene	1.1	1.5	5.2	7.6
1,2,4-Trimethylbenzene	1.1	1.8	5.2	8.8
TPH ref. to Gasoline (MW=100)	110	280	440	1100

Client Sample ID: SS-5

Lab ID#: 1503488A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	11	11	25	27
4-Methyl-2-pentanone	1.1	1.4	4.3	5.9

Client Sample ID: SS-6

Lab ID#: 1503488A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	11	52	25	120
2-Butanone (Methyl Ethyl Ketone)	4.3	4.9	12	14
Tetrahydrofuran	1.1	2.6	3.1	7.7
2,2,4-Trimethylpentane	1.1	3.5	5.0	16
4-Methyl-2-pentanone	1.1	120	4.4	500
Toluene	1.1	6.7	4.0	25
Ethyl Benzene	1.1	7.0	4.6	30
m,p-Xylene	1.1	38	4.6	160
o-Xylene	1.1	21	4.6	92

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-6

Lab ID#: 1503488A-03A

4-Ethyltoluene	1.1	1.1	5.2	5.4
1,2,4-Trimethylbenzene	1.1	1.6	5.2	8.1
TPH ref. to Gasoline (MW=100)	110	2200	440	9000

Client Sample ID: SS-7

Lab ID#: 1503488A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	86	170	200	410
TPH ref. to Gasoline (MW=100)	860	64000	3500	260000

Client Sample ID: SS-8

Lab ID#: 1503488A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	1.1	1.4	4.3	5.8
TPH ref. to Gasoline (MW=100)	110	120	430	490

Client Sample ID: SS-9

Lab ID#: 1503488A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	10	14	25	34
Chloroform	1.0	1.9	5.1	9.1
Carbon Tetrachloride	1.0	12	6.6	78
Benzene	1.0	1.4	3.4	4.6
4-Methyl-2-pentanone	1.0	3.0	4.3	12
m,p-Xylene	1.0	1.5	4.6	6.5

Client Sample ID: SS-10

Lab ID#: 1503488A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	1.0	8.3	4.3	34

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-10

Lab ID#: 1503488A-07A

Toluene	1.0	1.8	4.0	6.6
Ethyl Benzene	1.0	1.3	4.6	5.5
m,p-Xylene	1.0	6.7	4.6	29
o-Xylene	1.0	4.3	4.6	19
TPH ref. to Gasoline (MW=100)	100	620	430	2500

Client Sample ID: SS-11

Lab ID#: 1503488A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	11	16	25	38
Carbon Disulfide	4.3	22	13	68
Benzene	1.1	1.9	3.4	6.0
4-Methyl-2-pentanone	1.1	13	4.4	52
Toluene	1.1	1.6	4.0	6.2
Tetrachloroethene	1.1	9.1	7.2	62
Ethyl Benzene	1.1	1.4	4.6	6.0
m,p-Xylene	1.1	3.9	4.6	17
o-Xylene	1.1	2.6	4.6	11

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Client Sample ID: SS-4

Lab ID#: 1503488A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032907**	**Date of Collection:**	**3/25/15 10:38:00 AM**
Dil. Factor:	**2.13**	**Date of Analysis:**	**3/29/15 01:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	4.3	Not Detected	8.0	Not Detected
Freon 113	1.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	28	25	66
2-Propanol	4.3	Not Detected	10	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	4.3	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	6.5	12	19
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	2.7	3.4	8.6
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.3	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	320	4.4	1300
Toluene	1.1	23	4.0	86
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.3	Not Detected	17	Not Detected

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Client Sample ID: SS-4

Lab ID#: 1503488A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032907**	**Date of Collection:**	**3/25/15 10:38:00 AM**
Dil. Factor:	**2.13**	**Date of Analysis:**	**3/29/15 01:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.1	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.2	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	9.3	4.6	40
m,p-Xylene	1.1	47	4.6	200
o-Xylene	1.1	30	4.6	130
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	1.2	5.2	6.1
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	1.5	5.2	7.6
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	1.8	5.2	8.8
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	110	280	440	1100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: SS-5

Lab ID#: 1503488A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032908**	**Date of Collection:**	**3/25/15 10:22:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**3/29/15 02:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.2	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.3	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	4.2	Not Detected	8.0	Not Detected
Freon 113	1.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	11	25	27
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	1.4	4.3	5.9
Toluene	1.1	Not Detected	4.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

eurofins | Air Toxics

Client Sample ID: SS-5

Lab ID#: 1503488A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032908**	**Date of Collection:**	**3/25/15 10:22:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**3/29/15 02:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.0	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.1	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	1.1	Not Detected	4.6	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	430	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	98	70-130

eurofins | Air Toxics

Client Sample ID: SS-6

Lab ID#: 1503488A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032909**	**Date of Collection: 3/25/15 10:59:00 AM**	
Dil. Factor:	**2.13**	**Date of Analysis: 3/29/15 03:10 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	4.3	Not Detected	8.0	Not Detected
Freon 113	1.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	52	25	120
2-Propanol	4.3	Not Detected	10	Not Detected
Carbon Disulfide	4.3	Not Detected	13	Not Detected
3-Chloropropene	4.3	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	4.9	12	14
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	2.6	3.1	7.7
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	3.5	5.0	16
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.3	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	120	4.4	500
Toluene	1.1	6.7	4.0	25
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.3	Not Detected	17	Not Detected

eurofins | Air Toxics

Client Sample ID: SS-6

Lab ID#: 1503488A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032909**	**Date of Collection:**	**3/25/15 10:59:00 AM**
Dil. Factor:	**2.13**	**Date of Analysis:**	**3/29/15 03:10 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.1	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.2	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	7.0	4.6	30
m,p-Xylene	1.1	38	4.6	160
o-Xylene	1.1	21	4.6	92
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	1.1	5.2	5.4
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	1.6	5.2	8.1
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	110	2200	440	9000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: SS-7

Lab ID#: 1503488A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032914**	**Date of Collection:**	**3/25/15 11:21:00 AM**
Dil. Factor:	**17.1**	**Date of Analysis:**	**3/29/15 06:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	8.6	Not Detected	42	Not Detected
Freon 114	8.6	Not Detected	60	Not Detected
Chloromethane	86	Not Detected	180	Not Detected
Vinyl Chloride	8.6	Not Detected	22	Not Detected
1,3-Butadiene	8.6	Not Detected	19	Not Detected
Bromomethane	86	Not Detected	330	Not Detected
Chloroethane	34	Not Detected	90	Not Detected
Freon 11	8.6	Not Detected	48	Not Detected
Ethanol	34	Not Detected	64	Not Detected
Freon 113	8.6	Not Detected	66	Not Detected
1,1-Dichloroethene	8.6	Not Detected	34	Not Detected
Acetone	86	170	200	410
2-Propanol	34	Not Detected	84	Not Detected
Carbon Disulfide	34	Not Detected	110	Not Detected
3-Chloropropene	34	Not Detected	110	Not Detected
Methylene Chloride	86	Not Detected	300	Not Detected
Methyl tert-butyl ether	8.6	Not Detected	31	Not Detected
trans-1,2-Dichloroethene	8.6	Not Detected	34	Not Detected
Hexane	8.6	Not Detected	30	Not Detected
1,1-Dichloroethane	8.6	Not Detected	35	Not Detected
2-Butanone (Methyl Ethyl Ketone)	34	Not Detected	100	Not Detected
cis-1,2-Dichloroethene	8.6	Not Detected	34	Not Detected
Tetrahydrofuran	8.6	Not Detected	25	Not Detected
Chloroform	8.6	Not Detected	42	Not Detected
1,1,1-Trichloroethane	8.6	Not Detected	47	Not Detected
Cyclohexane	8.6	Not Detected	29	Not Detected
Carbon Tetrachloride	8.6	Not Detected	54	Not Detected
2,2,4-Trimethylpentane	8.6	Not Detected	40	Not Detected
Benzene	8.6	Not Detected	27	Not Detected
1,2-Dichloroethane	8.6	Not Detected	35	Not Detected
Heptane	8.6	Not Detected	35	Not Detected
Trichloroethene	8.6	Not Detected	46	Not Detected
1,2-Dichloropropane	8.6	Not Detected	40	Not Detected
1,4-Dioxane	34	Not Detected	120	Not Detected
Bromodichloromethane	8.6	Not Detected	57	Not Detected
cis-1,3-Dichloropropene	8.6	Not Detected	39	Not Detected
4-Methyl-2-pentanone	8.6	Not Detected	35	Not Detected
Toluene	8.6	Not Detected	32	Not Detected
trans-1,3-Dichloropropene	8.6	Not Detected	39	Not Detected
1,1,2-Trichloroethane	8.6	Not Detected	47	Not Detected
Tetrachloroethene	8.6	Not Detected	58	Not Detected
2-Hexanone	34	Not Detected	140	Not Detected

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Client Sample ID: SS-7

Lab ID#: 1503488A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032914**	**Date of Collection:**	**3/25/15 11:21:00 AM**
Dil. Factor:	**17.1**	**Date of Analysis:**	**3/29/15 06:22 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	8.6	Not Detected	73	Not Detected
1,2-Dibromoethane (EDB)	8.6	Not Detected	66	Not Detected
Chlorobenzene	8.6	Not Detected	39	Not Detected
Ethyl Benzene	8.6	Not Detected	37	Not Detected
m,p-Xylene	8.6	Not Detected	37	Not Detected
o-Xylene	8.6	Not Detected	37	Not Detected
Styrene	8.6	Not Detected	36	Not Detected
Bromoform	8.6	Not Detected	88	Not Detected
Cumene	8.6	Not Detected	42	Not Detected
1,1,2,2-Tetrachloroethane	8.6	Not Detected	59	Not Detected
Propylbenzene	8.6	Not Detected	42	Not Detected
4-Ethyltoluene	8.6	Not Detected	42	Not Detected
1,3,5-Trimethylbenzene	8.6	Not Detected	42	Not Detected
1,2,4-Trimethylbenzene	8.6	Not Detected	42	Not Detected
1,3-Dichlorobenzene	8.6	Not Detected	51	Not Detected
1,4-Dichlorobenzene	8.6	Not Detected	51	Not Detected
alpha-Chlorotoluene	8.6	Not Detected	44	Not Detected
1,2-Dichlorobenzene	8.6	Not Detected	51	Not Detected
1,2,4-Trichlorobenzene	34	Not Detected	250	Not Detected
Hexachlorobutadiene	34	Not Detected	360	Not Detected
TPH ref. to Gasoline (MW=100)	860	64000	3500	260000

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: SS-8

Lab ID#: 1503488A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032910**	**Date of Collection:**	**3/25/15 11:48:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**3/29/15 03:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.2	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.3	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	4.2	Not Detected	8.0	Not Detected
Freon 113	1.1	Not Detected	8.1	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	Not Detected	25	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.3	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	1.4	4.3	5.8
Toluene	1.1	Not Detected	4.0	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	Not Detected	7.2	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: SS-8

Lab ID#: 1503488A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032910**	**Date of Collection:**	**3/25/15 11:48:00 AM**
Dil. Factor:	**2.12**	**Date of Analysis:**	**3/29/15 03:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.0	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.1	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	Not Detected	4.6	Not Detected
m,p-Xylene	1.1	Not Detected	4.6	Not Detected
o-Xylene	1.1	Not Detected	4.6	Not Detected
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	110	120	430	490

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: SS-9

Lab ID#: 1503488A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032911**	**Date of Collection: 3/25/15 12:13:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/29/15 04:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.2	Not Detected
Freon 114	1.0	Not Detected	7.3	Not Detected
Chloromethane	10	Not Detected	22	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
Ethanol	4.2	Not Detected	7.9	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Acetone	10	14	25	34
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Hexane	1.0	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
Chloroform	1.0	1.9	5.1	9.1
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	12	6.6	78
2,2,4-Trimethylpentane	1.0	Not Detected	4.9	Not Detected
Benzene	1.0	1.4	3.4	4.6
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.0	3.0	4.3	12
Toluene	1.0	Not Detected	4.0	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	Not Detected	7.1	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: SS-9

Lab ID#: 1503488A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032911**	**Date of Collection: 3/25/15 12:13:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/29/15 04:28 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.1	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	Not Detected	4.6	Not Detected
m,p-Xylene	1.0	1.5	4.6	6.5
o-Xylene	1.0	Not Detected	4.6	Not Detected
Styrene	1.0	Not Detected	4.5	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
Propylbenzene	1.0	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	100	Not Detected	430	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: SS-10

Lab ID#: 1503488A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032912**	**Date of Collection: 3/25/15 12:36:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/29/15 05:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.0	Not Detected	5.2	Not Detected
Freon 114	1.0	Not Detected	7.3	Not Detected
Chloromethane	10	Not Detected	22	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	10	Not Detected	41	Not Detected
Chloroethane	4.2	Not Detected	11	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
Ethanol	4.2	Not Detected	7.9	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Acetone	10	Not Detected	25	Not Detected
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	4.2	Not Detected	13	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	10	Not Detected	36	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Hexane	1.0	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.2	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.0	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
Chloroform	1.0	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.6	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.9	Not Detected
Benzene	1.0	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.0	8.3	4.3	34
Toluene	1.0	1.8	4.0	6.6
trans-1,3-Dichloropropene	1.0	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	Not Detected	7.1	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected

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Client Sample ID: SS-10

Lab ID#: 1503488A-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032912**	**Date of Collection: 3/25/15 12:36:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/29/15 05:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.1	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	1.3	4.6	5.5
m,p-Xylene	1.0	6.7	4.6	29
o-Xylene	1.0	4.3	4.6	19
Styrene	1.0	Not Detected	4.5	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
Propylbenzene	1.0	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	100	620	430	2500

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: SS-11

Lab ID#: 1503488A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032913**	**Date of Collection: 3/25/15 1:00:00 PM**	
Dil. Factor:	**2.13**	**Date of Analysis: 3/29/15 05:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.1	Not Detected	5.3	Not Detected
Freon 114	1.1	Not Detected	7.4	Not Detected
Chloromethane	11	Not Detected	22	Not Detected
Vinyl Chloride	1.1	Not Detected	2.7	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	4.3	Not Detected	11	Not Detected
Freon 11	1.1	Not Detected	6.0	Not Detected
Ethanol	4.3	Not Detected	8.0	Not Detected
Freon 113	1.1	Not Detected	8.2	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Acetone	11	16	25	38
2-Propanol	4.3	Not Detected	10	Not Detected
Carbon Disulfide	4.3	22	13	68
3-Chloropropene	4.3	Not Detected	13	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.3	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.2	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.1	Not Detected
Chloroform	1.1	Not Detected	5.2	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.7	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	1.9	3.4	6.0
1,2-Dichloroethane	1.1	Not Detected	4.3	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.7	Not Detected
1,2-Dichloropropane	1.1	Not Detected	4.9	Not Detected
1,4-Dioxane	4.3	Not Detected	15	Not Detected
Bromodichloromethane	1.1	Not Detected	7.1	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
4-Methyl-2-pentanone	1.1	13	4.4	52
Toluene	1.1	1.6	4.0	6.2
trans-1,3-Dichloropropene	1.1	Not Detected	4.8	Not Detected
1,1,2-Trichloroethane	1.1	Not Detected	5.8	Not Detected
Tetrachloroethene	1.1	9.1	7.2	62
2-Hexanone	4.3	Not Detected	17	Not Detected

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Client Sample ID: SS-11

Lab ID#: 1503488A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032913**	**Date of Collection:**	**3/25/15 1:00:00 PM**
Dil. Factor:	**2.13**	**Date of Analysis:**	**3/29/15 05:45 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.1	Not Detected	9.1	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.2	Not Detected
Chlorobenzene	1.1	Not Detected	4.9	Not Detected
Ethyl Benzene	1.1	1.4	4.6	6.0
m,p-Xylene	1.1	3.9	4.6	17
o-Xylene	1.1	2.6	4.6	11
Styrene	1.1	Not Detected	4.5	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.2	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.3	Not Detected
Propylbenzene	1.1	Not Detected	5.2	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.2	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.2	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.5	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.4	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	45	Not Detected
TPH ref. to Gasoline (MW=100)	110	Not Detected	440	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1503488A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 12:57 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1503488A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032906**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 12:57 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
TPH ref. to Gasoline (MW=100)	50	Not Detected	200	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1503488A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 10:31 AM**	

Compound	%Recovery
Freon 12	105
Freon 114	100
Chloromethane	110
Vinyl Chloride	98
1,3-Butadiene	95
Bromomethane	102
Chloroethane	96
Freon 11	102
Ethanol	80
Freon 113	96
1,1-Dichloroethene	94
Acetone	97
2-Propanol	83
Carbon Disulfide	94
3-Chloropropene	93
Methylene Chloride	100
Methyl tert-butyl ether	84
trans-1,2-Dichloroethene	96
Hexane	93
1,1-Dichloroethane	96
2-Butanone (Methyl Ethyl Ketone)	89
cis-1,2-Dichloroethene	94
Tetrahydrofuran	90
Chloroform	95
1,1,1-Trichloroethane	95
Cyclohexane	90
Carbon Tetrachloride	99
2,2,4-Trimethylpentane	95
Benzene	100
1,2-Dichloroethane	104
Heptane	99
Trichloroethene	86
1,2-Dichloropropane	99
1,4-Dioxane	93
Bromodichloromethane	100
cis-1,3-Dichloropropene	94
4-Methyl-2-pentanone	85
Toluene	93
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	98
Tetrachloroethene	100
2-Hexanone	83

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Client Sample ID: CCV

Lab ID#: 1503488A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032902**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 10:31 AM**	

Compound	%Recovery
Dibromochloromethane	101
1,2-Dibromoethane (EDB)	97
Chlorobenzene	94
Ethyl Benzene	93
m,p-Xylene	92
o-Xylene	91
Styrene	92
Bromoform	98
Cumene	93
1,1,2,2-Tetrachloroethane	110
Propylbenzene	93
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	92
1,2,4-Trimethylbenzene	89
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	101
Hexachlorobutadiene	107
TPH ref. to Gasoline (MW=100)	100

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 1503488A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 10:59 AM**	

Compound	%Recovery	Method Limits
Freon 12	115	70-130
Freon 114	114	70-130
Chloromethane	73	70-130
Vinyl Chloride	110	70-130
1,3-Butadiene	105	70-130
Bromomethane	115	70-130
Chloroethane	108	70-130
Freon 11	116	70-130
Ethanol	94	70-130
Freon 113	107	70-130
1,1-Dichloroethene	105	70-130
Acetone	102	70-130
2-Propanol	97	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	97	70-130
Methylene Chloride	111	70-130
Methyl tert-butyl ether	92	70-130
trans-1,2-Dichloroethene	89	70-130
Hexane	103	70-130
1,1-Dichloroethane	106	70-130
2-Butanone (Methyl Ethyl Ketone)	99	70-130
cis-1,2-Dichloroethene	113	70-130
Tetrahydrofuran	99	70-130
Chloroform	105	70-130
1,1,1-Trichloroethane	104	70-130
Cyclohexane	102	70-130
Carbon Tetrachloride	110	70-130
2,2,4-Trimethylpentane	107	70-130
Benzene	105	70-130
1,2-Dichloroethane	110	70-130
Heptane	101	70-130
Trichloroethene	92	70-130
1,2-Dichloropropane	105	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	109	70-130
cis-1,3-Dichloropropene	95	70-130
4-Methyl-2-pentanone	92	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	104	70-130
1,1,2-Trichloroethane	106	70-130
Tetrachloroethene	110	70-130
2-Hexanone	98	70-130

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Client Sample ID: LCS

Lab ID#: 1503488A-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032903**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 10:59 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	111	70-130
1,2-Dibromoethane (EDB)	105	70-130
Chlorobenzene	103	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	100	70-130
o-Xylene	101	70-130
Styrene	103	70-130
Bromoform	107	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	119	70-130
Propylbenzene	105	70-130
4-Ethyltoluene	104	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	100	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	105	70-130
alpha-Chlorotoluene	97	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	124	70-130
Hexachlorobutadiene	127	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCSD

Lab ID#: 1503488A-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 11:45 AM**	

Compound	%Recovery	Method Limits
Freon 12	111	70-130
Freon 114	111	70-130
Chloromethane	66 Q	70-130
Vinyl Chloride	111	70-130
1,3-Butadiene	100	70-130
Bromomethane	109	70-130
Chloroethane	106	70-130
Freon 11	112	70-130
Ethanol	92	70-130
Freon 113	103	70-130
1,1-Dichloroethene	101	70-130
Acetone	100	70-130
2-Propanol	96	70-130
Carbon Disulfide	90	70-130
3-Chloropropene	95	70-130
Methylene Chloride	108	70-130
Methyl tert-butyl ether	89	70-130
trans-1,2-Dichloroethene	86	70-130
Hexane	101	70-130
1,1-Dichloroethane	100	70-130
2-Butanone (Methyl Ethyl Ketone)	94	70-130
cis-1,2-Dichloroethene	110	70-130
Tetrahydrofuran	94	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	98	70-130
Carbon Tetrachloride	106	70-130
2,2,4-Trimethylpentane	102	70-130
Benzene	105	70-130
1,2-Dichloroethane	110	70-130
Heptane	101	70-130
Trichloroethene	92	70-130
1,2-Dichloropropane	105	70-130
1,4-Dioxane	99	70-130
Bromodichloromethane	109	70-130
cis-1,3-Dichloropropene	94	70-130
4-Methyl-2-pentanone	93	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	103	70-130
1,1,2-Trichloroethane	103	70-130
Tetrachloroethene	106	70-130
2-Hexanone	94	70-130

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Client Sample ID: LCSD

Lab ID#: 1503488A-11AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j032904**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/29/15 11:45 AM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	108	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	100	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	97	70-130
o-Xylene	100	70-130
Styrene	100	70-130
Bromoform	105	70-130
Cumene	99	70-130
1,1,2,2-Tetrachloroethane	116	70-130
Propylbenzene	101	70-130
4-Ethyltoluene	98	70-130
1,3,5-Trimethylbenzene	99	70-130
1,2,4-Trimethylbenzene	97	70-130
1,3-Dichlorobenzene	100	70-130
1,4-Dichlorobenzene	103	70-130
alpha-Chlorotoluene	96	70-130
1,2-Dichlorobenzene	102	70-130
1,2,4-Trichlorobenzene	94	70-130
Hexachlorobutadiene	99	70-130
TPH ref. to Gasoline (MW=100)	Not Spiked	

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	101	70-130

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Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager MAZ GLASS
Collected by: (Print and Sign) Matt ROSMAN
Company Gribi Associates Email Jgribi@gribiassociates.com
Address 1090 Adams ST, Ste K City BENICIA State CA Zip 94510
Phone 707-748-7743 Fax 707-748-7763

Project Info:
P.O. #
Project #
Project Name MAZ GLASS

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	SS-4	1L1580	3/25	1038	TO-15+TPH g/ASTM D-1946 CH_4, CO_2, O_2, He	30	3		
02A	SS-5	35630	3/25	1022	" "	30	3		
03A	SS-6	37694	3/25	1059	" "	30	3		
04A	SS-7	36380	3/25	1121	" "	30	3		
05A	SS-8	1L1545	3/25	1148	" "	30	3		
06A	SS-9	1044	3/25	1213	" "	30	3		
07A	SS-10	1369	3/25	1236	" "	30	3		
08A	SS-11	33727	3/25	1300	" "	30	3		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	3/26/2015 0700	[signature]	3/26/15 0700
[signature]	3/26/15 1430	[signature]	FAIL 3/27/15 0950

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FEDEX		4°C	Good	Yes No None	1503488

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4/9/2015
Mr. Jim Gribi
Gribi and Associates
1090 Adams Street
Suite K
Benicia CA 94510

Project Name: MAZ GLASS
Project #:
Workorder #: 1503488B

Dear Mr. Jim Gribi

The following report includes the data for the above referenced project for sample(s) received on 3/27/2015 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kelly Buettner

Project Manager

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WORK ORDER #: 1503488B

Work Order Summary

CLIENT:	Mr. Jim Gribi Gribi and Associates 1090 Adams Street Suite K Benicia, CA 94510	**BILL TO:**	Mr. Jim Gribi Gribi and Associates 1090 Adams Street Suite K Benicia, CA 94510
PHONE:	707-748-7743	**P.O. #**	
FAX:	707-748-7763	**PROJECT #**	MAZ GLASS
DATE RECEIVED:	03/27/2015	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	04/09/2015		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SS-4	Modified ASTM D-1946	1.6 "Hg	14.9 psi
02A	SS-5	Modified ASTM D-1946	1.6 "Hg	14.8 psi
03A	SS-6	Modified ASTM D-1946	1.4 "Hg	15.2 psi
04A	SS-7	Modified ASTM D-1946	1.8 "Hg	14.9 psi
05A	SS-8	Modified ASTM D-1946	1.2 "Hg	15.2 psi
06A	SS-9	Modified ASTM D-1946	1.4 "Hg	14.7 psi
07A	SS-10	Modified ASTM D-1946	1 "Hg	15.1 psi
08A	SS-11	Modified ASTM D-1946	1.4 "Hg	15.2 psi
09A	Lab Blank	Modified ASTM D-1946	NA	NA
09B	Lab Blank	Modified ASTM D-1946	NA	NA
10A	LCS	Modified ASTM D-1946	NA	NA
10AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 04/09/15

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704343-14-7, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2014, Expiration date: 10/17/2015.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1946
Gribi and Associates
Workorder# 1503488B

Eight 1 Liter Summa Canister samples were received on March 27, 2015. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and fixed gases in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

On the analytical column employed for this analysis, Oxygen coelutes with Argon. The corresponding peak is quantitated as Oxygen.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***ASTM D-1946***	***ATL Modifications***
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A minimum of 5-point calibration curve is performed. Quantitation is based on average Response Factor.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SS-4

Lab ID#: 1503488B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	12
Carbon Dioxide	0.021	6.8

Client Sample ID: SS-5

Lab ID#: 1503488B-02A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	14
Carbon Dioxide	0.021	5.7

Client Sample ID: SS-6

Lab ID#: 1503488B-03A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	1.6
Methane	0.00021	0.32
Carbon Dioxide	0.021	13

Client Sample ID: SS-7

Lab ID#: 1503488B-04A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.28	1.1
Methane	0.00028	20
Carbon Dioxide	0.028	9.9

Client Sample ID: SS-8

Lab ID#: 1503488B-05A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.26	20
Methane	0.00026	0.015

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SS-8

Lab ID#: 1503488B-05A

Carbon Dioxide	0.026	0.58

Client Sample ID: SS-9

Lab ID#: 1503488B-06A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	19
Carbon Dioxide	0.021	1.2

Client Sample ID: SS-10

Lab ID#: 1503488B-07A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	20
Carbon Dioxide	0.021	0.12

Client Sample ID: SS-11

Lab ID#: 1503488B-08A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.21	19
Carbon Dioxide	0.021	0.14

Client Sample ID: SS-4

Lab ID#: 1503488B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033005**	**Date of Collection: 3/25/15 10:38:00 AM**	
Dil. Factor:	**2.13**	**Date of Analysis: 3/30/15 10:01 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	12
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	6.8
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SS-5

Lab ID#: 1503488B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033006**	**Date of Collection: 3/25/15 10:22:00 AM**	
Dil. Factor:	**2.12**	**Date of Analysis: 3/30/15 10:27 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	14
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	5.7
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: SS-6

Lab ID#: 1503488B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033007**	**Date of Collection: 3/25/15 10:59:00 AM**	
Dil. Factor:	**2.14**	**Date of Analysis: 3/30/15 11:05 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	1.6
Methane	0.00021	0.32
Carbon Dioxide	0.021	13
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: SS-7

Lab ID#: 1503488B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033008**	**Date of Collection: 3/25/15 11:21:00 AM**	
Dil. Factor:	**2.85**	**Date of Analysis: 3/30/15 12:23 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.28	1.1
Methane	0.00028	20
Carbon Dioxide	0.028	9.9
Helium	0.14	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SS-8

Lab ID#: 1503488B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033012**	**Date of Collection: 3/25/15 11:48:00 AM**	
Dil. Factor:	**2.63**	**Date of Analysis: 3/30/15 03:37 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.26	20
Methane	0.00026	0.015
Carbon Dioxide	0.026	0.58
Helium	0.13	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: SS-9

Lab ID#: 1503488B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033013**	**Date of Collection: 3/25/15 12:13:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/30/15 04:14 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	19
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	1.2
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: SS-10

Lab ID#: 1503488B-07A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033010**	**Date of Collection: 3/25/15 12:36:00 PM**	
Dil. Factor:	**2.10**	**Date of Analysis: 3/30/15 01:27 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	20
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	0.12
Helium	0.10	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: SS-11

Lab ID#: 1503488B-08A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033011**	**Date of Collection: 3/25/15 1:00:00 PM**	
Dil. Factor:	**2.14**	**Date of Analysis: 3/30/15 03:04 PM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.21	19
Methane	0.00021	Not Detected
Carbon Dioxide	0.021	0.14
Helium	0.11	Not Detected

Container Type: 1 Liter Summa Canister

Client Sample ID: Lab Blank

Lab ID#: 1503488B-09A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033004**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/30/15 08:31 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Oxygen	0.10	Not Detected
Methane	0.00010	Not Detected
Carbon Dioxide	0.010	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: Lab Blank

Lab ID#: 1503488B-09B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033003b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/30/15 08:04 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: LCS

Lab ID#: 1503488B-10A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/30/15 07:35 AM**	

Compound	%Recovery	Method Limits
Oxygen	97	85-115
Methane	97	85-115
Carbon Dioxide	101	85-115
Helium	101	85-115

Container Type: NA - Not Applicable

Client Sample ID: LCSD

Lab ID#: 1503488B-10AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9033023**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/30/15 09:45 PM**	

Compound	%Recovery	Method Limits
Oxygen	97	85-115
Methane	97	85-115
Carbon Dioxide	102	85-115
Helium	101	85-115

Container Type: NA - Not Applicable

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Project Manager MAZ GLASS
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Company Gribi Associates Email Jgribi@gribiassociates.com
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Phone 707-748-7743 Fax 707-748-7763

Project Info:
P.O. #
Project #
Project Name MAZ GLASS

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	SS-4	1L1580	3/25	1038	TO-15+TPH g/ASTM D-1946 CH_4, CO_2, O_2, He	30	3		
02A	SS-5	35630	3/25	1022	" "	30	3		
03A	SS-6	37694	3/25	1059	" "	30	3		
04A	SS-7	36380	3/25	1121	" "	30	3		
05A	SS-8	1L1545	3/25	1148	" "	30	3		
06A	SS-9	1044	3/25	1213	" "	30	3		
07A	SS-10	1369	3/25	1236	" "	30	3		
08A	SS-11	33727	3/25	1300	" "	30	3		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	3/26/2015 0700	[signature]	3/26/15 0700
[signature]	3/26/15 1430	[signature]	FAIL 3/27/15 0950

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FEDEX		4°C	Good	Yes No None	1503488

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