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May 5, 2016

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

Attention: Mark Detterman

Subject: Report of Additional Soil Removal 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 Soil Removal 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

GRIBI
ASSOCIATES

May 5, 2016

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
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Attention: Mark Detterman

Subject: Report of Additional Soil Removal Activities
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Ladies and Gentlemen:

Gribi Associates is pleased to submit this brief report on behalf San Pablo Avenue Venture for the property located at 3800 San Pablo Avenue in Emeryville, California (Site) (see Figure 1 and Figure 2). This report documents the excavation of hydrocarbon-impacted soil inside the Site building immediately north of the former underground storage tank (UST) located in the sidewalk along West MacArthur Boulevard near the southwest corner of the Site building. The goal of the soil removal activities was to provide additional information and, if necessary, remediation relative to elevated methane and gasoline soil gas concentrations detected in shallow soils in the vicinity of soil vapor well SG-4. The methane is believed to have resulted from the breakdown of residual soil gasoline-range hydrocarbons associated with the former MacArthur Boulevard UST.

1.0 BACKGROUND

In April 2012, a 1,000-gallon UST was discovered in the West MacArthur Boulevard sidewalk on the south side of the Site ("MacArthur Boulevard UST") (see Figure 3). A date stamp in the overlying concrete sidewalk indicated that this UST may have pre-dated the mid-1930s. 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 sidewall and pit bottom soil samples showed no significant hydrocarbon detections (see Table 1). 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. Subsequent soil gas sampling in SG-4, located immediately north from the former UST, showed elevated concentrations of TPH-G and methane.

On September 25, 2015, AEI Consultants excavated soil immediately north of the MacArthur Boulevard UST, between the UST excavation cavity and the Site building. The goal of the soil removal activities was to attempt to mitigate continued generation of hydrocarbon and methane soil gas concentrations present in shallow soils in the vicinity of soil vapor well SG-4. The excavation extended south from the Site building footing to the former UST excavation cavity and measured approximately 15 feet by 6 feet by 9.5 feet in depth. Soils from the excavation generally consisted of dense brown to olive grey clays. Soils exhibited no unusual staining and no hydrocarbon odors. Two excavation pit bottom samples (EbW9ft6in and EbE9ft6in) were collected at approximately 9.5 feet in depth, and two sidewall samples (SWNW7ft6in and SWNE7ft6in) were collected from the north sidewall at approximately 7.5 feet in depth. In addition, one composite soil stockpile sample (SP1-4) was collected. Laboratory analytical results are summarized in Table 1. The pit bottom and sidewall samples showed no detectable concentrations of TPH-G/BTEX, TPH-D, and TOG. The stockpile soil sample showed no detectable concentrations of TPH-G/BTEX and TPH-D.

On October 13, 2015, Gribi Associates sampled sub-slab vapor well SS-1 and soil gas well SG-4, both located adjacent to the September 25 excavation area. Vapor samples from SS-1 and SG-4 showed respective TPH-G concentrations of nondetect (RL=7,170 ug/m^3) and 174,000 ug/m^3 (Duplicate = 201,000 ug/m^3), and respective methane concentrations of nondetect (RL=0.0005 %) and 1.3 % (Duplicate = 1.5 %). On November 18, 2015, Gribi Associates again sampled sub-slab vapor well SS-1 and soil gas well SG-4. Vapor samples from SS-1 and SG-4 showed respective TPH-G concentrations of nondetect (RL=7,170 ug/m^3) and 576,000 ug/m^3, and respective methane concentrations of 0.44 % and 0.34 %.

On March 11, 2016, GrafCon submitted to Alameda County Department of Environmental Health (ACDEH) the *Short-term Soil Management Plan, 3800 San Pablo Avenue, Emeryville, California.* This Soil Management Plan (SMP) provided a plan to address potential environmental conditions encountered during construction-related investigation and excavation for the planned Site redevelopment project. The SMP included a brief workplan to excavate soil in the immediate area of SG-4. The planned excavation area would measure approximately 12 feet by 6 feet and would extend to a depth of approximately 10 feet below surface grade. The SMP was approved by ACDEH on March 14, 2016.

2.0 DESCRIPTION OF FIELD ACTIVITIES

2.1 Prefield Activities

Prior to implementing field activities, the proposed excavation location was marked with white paint and Underground Services Alert (USA) was notified at least 48 hours prior to excavating. Prior to initiating excavation activities, a Site Safety Plan was prepared, and a tailgate safety meeting was conducted with all site workers.

2.2 Excavation Size and Location

An area measuring approximately 12 feet by 6 feet was excavated in the area including of SG-4, inside the Site building and immediately north of the former MacArthur Boulevard UST excavation and September 2015 excavation (see Figure 3), extending northward under the edge of the Site building between two building support columns. The area was excavated to a maximum depth of approximately 10 feet below surface grade.

2.3 Excavation and Sampling of Source Area

Soil excavation, removal, and backfilling activities were conducted by AEI Consultants, a qualified licensed contractor. Excavated soils were stockpiled on visqueen pending stockpile soil characterization. During the excavation process, excavated soils were field-screened using a photoionization detector (PID).

Following completion of excavation activities, four sidewall soil samples, SW-N-7.0, SW-S-6.0, SW-E-6.0, and SW-W-7.0, and two pit bottom soil samples, B-E-10.0 and B-W-10.0, were collected. Also, 4 soil samples, SP-N, SP-S, SP-E, and SP-W, were collected from the excavation soil stockpile and composited into a single sample at the analytical laboratory for analysis.

Sidewall and pit bottom soil samples were collected directly from the excavator bucket, and stockpiled soil samples were collected directly from the soil stockpile Soil samples were collected using the following method: (1) Exposed soil was scraped away; (2) A clean 2-inch by 6-inch brass tube was completely filled with undisturbed soil, taking care to minimize excess void in the tube; (3) The tube was then quickly sealed with Teflon tape and plastic end caps, wrapped tightly with tape and labeled; and (4) The sealed tube was immediately placed in cold storage for transport to the laboratory.

2.4 Laboratory Analysis

Six discrete soil samples and 1 composite soil sample were analyzed for the following parameters:

- USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8015M Total Petroleum Hydrocarbons as Diesel (TPH-D)
- USEPA 8260B Volatile Organic Compounds (VOCs)

All analyses were conducted by McCampbell Analytical, a California-certified analytical laboratory, with standard turn-around time on lab results.

2.5 Excavation Backfilling and Soil Disposal

Following soil removal activities, the excavation cavity was backfilled with controlled density fill (CDF) to 2.5 feet and then with base rock to just below the existing surrounding sub-grade. In addition, approximately 41 tons of excavated soil was profiled and transported to Keller Canyon Landfill for disposal, based on results of stockpile soil sampling.

3.0 RESULTS OF EXCAVATION ACTIVITIES

Soils encountered during excavation activities generally consisted of 1 to 2 feet of base rock and gravel, followed by dark grey to black clayey silt (Bay Mud) to 5 feet in depth, and then by olive grey to brown silt and silty clay to 10 feet, the total excavation depth. Very slight hydrocarbon odors were noted in soils from 8 to 10 feet in depth. Groundwater did not enter the excavation cavity.

Soil laboratory analytical results from this and previous investigative activities in the MacArthur Boulevard UST area are summarized in Table 1. Laboratory data reports for the current excavation-related sampling are included in Attachment A. Laboratory analytical results for the six confirmation soil samples and one composite stockpile soil sample reported extremely low concentrations of TPH-G, ranging from nondetect to 63 mg/kg, with no detectable concentrations of BTEX constituents. The only VOC detection in any of the soil samples was 0.0057 mg/kg of Naphthalene in the composite stockpile soil sample. All constituents were well below Tier 1 ESLs.

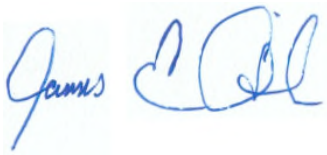
4.0 CONCLUSIONS

The excavation activities reported herein were conducted to provide an extra measure of safety to protect against potential vapor intrusion of hydrocarbons and methane associated with the former MacArthur Boulevard UST. Based on the results of verification and stockpile soil sampling, it appears that low concentrations of residual gasoline-range hydrocarbons were present in the area of former soil gas well SG-4, where elevated TPH-G and methane soil gas impacts were present.

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

Very truly yours,

Matthew A. Rosman
Project Engineer



James E. Gribi
Professional Geologist
California No. 5843

Enclosure
cc: Mr. Bill Banker, Jr., San Pablo Avenue Venture
Mr. Tom Graf, GrafCon

TABLES

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS FOR MACARTHUR BLVD. UST

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
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
Remediation Pilot Test, Gribi Associates, February 2013									
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
Soil, Water, & Vapor Investigation, Gribi Associates, August/September 2014									
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-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
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

Table 1

CUMULATIVE SOIL LABORATORY ANALYTICAL RESULTS FOR MACARTHUR BLVD. UST

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-34-17.5	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-4A-3.0	3.0 feet	<10	<0.50	<0.005	<0.005	<0.005	<0.010	All ND	All ND
Soil Excavation, AEI, September 2015									
EbW9ft 6in	9 feet	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	MTBE=ND	NA
EbE9ft 6in	9 feet	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	MTBE=ND	NA
SWNE7ft 6in	7 feet	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	MTBE=ND	NA
SWNW7ft 6in	7 feet	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	MTBE=ND	NA
SP1-4	NA	**1.5**	<0.50	<0.005	<0.005	<0.005	<0.005	MTBE=ND	NA
Soil Excavation, Gribi/AEI, April 2016									
SW-N-7.0	7.0 feet	<1.0(A)	**4.4**	<0.005	<0.005	<0.005	<0.005	All ND	All ND
SW-S-6.0	6.0 feet	<1.0(A)	<1.0	<0.005	<0.005	<0.005	<0.005	All ND	All ND
SW-E-6.0	6.0 feet	<1.0(A)	<1.0	<0.005	<0.005	<0.005	<0.005	All ND	All ND
SW-W-7.0	7.0 feet	<1.0(A)	<1.0	<0.005	<0.005	<0.005	<0.005	All ND	All ND
B-E-10.0	10.0 feet	**3.0(A)**	**45**	<0.005	<0.005	<0.005	<0.005	All ND	All ND
B-W-10.0	10.0 feet	**2.6(A)**	**63**	<0.005	<0.005	<0.005	<0.005	All ND	All ND
SP-N,S,E,W	NA	<1.0(A)	**13**	<0.005	<0.005	<0.005	<0.005	All ND	**0.0057** Naphthalene
ESL (Residential Land Use, DE)		**230**	**740**	**0.23**	**970**	**5.1**	**560**	Various	Various

Table Notes

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

NA = Not analyzed for this analyte.

ND = Not dtected.

All ND = No detectable concentrations of full list of constituents

(A) = No detectable concentration of Total Petroleum Hydrocarbons as Motor Oil.

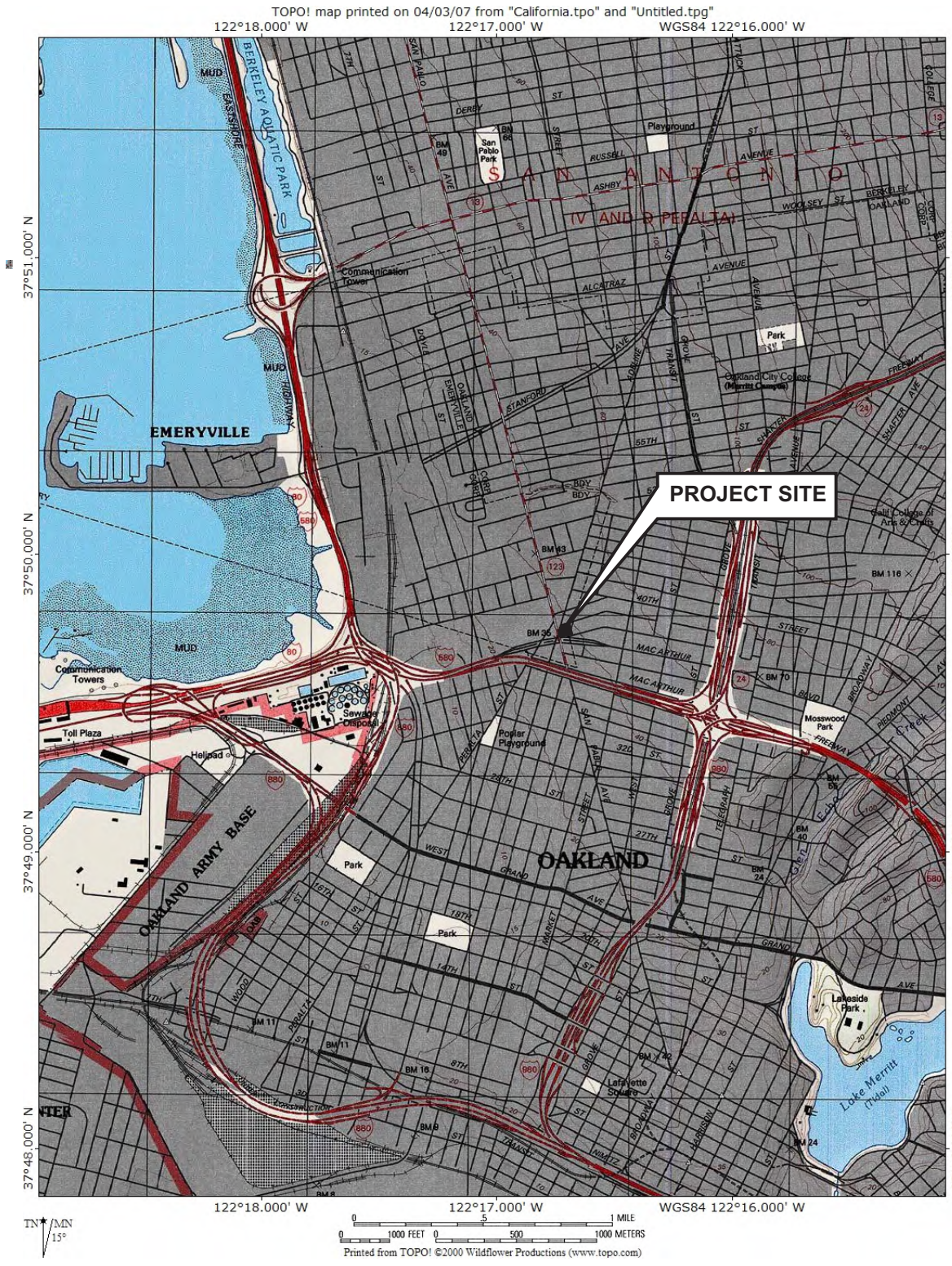
<0.5 = Not detected above the expressed detection level.

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)

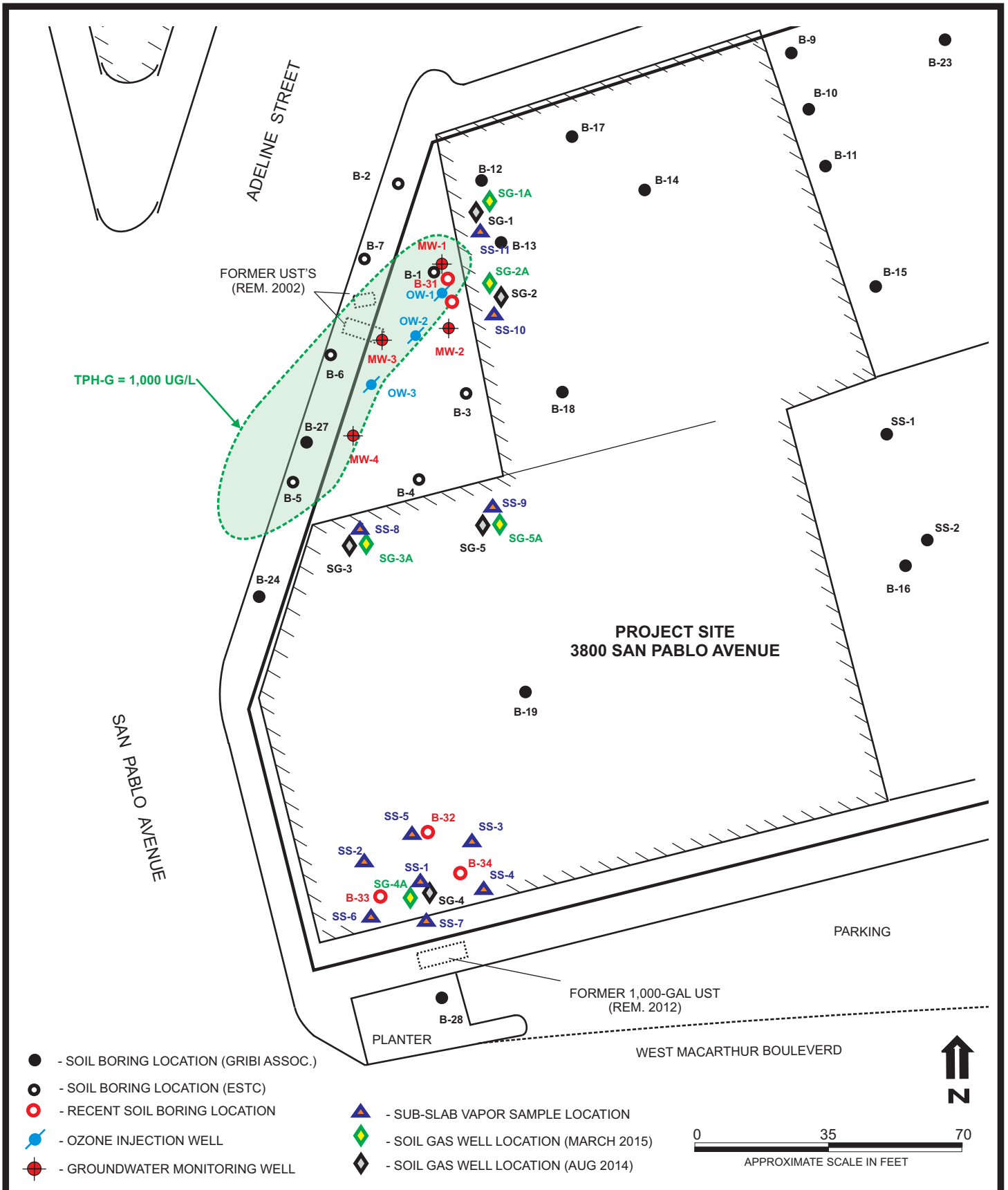
Other VOCs = Includes approximately 50 additional VOC compounds (excluding BTEX and Oxygenates)

ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, February 2016, Rev 2.

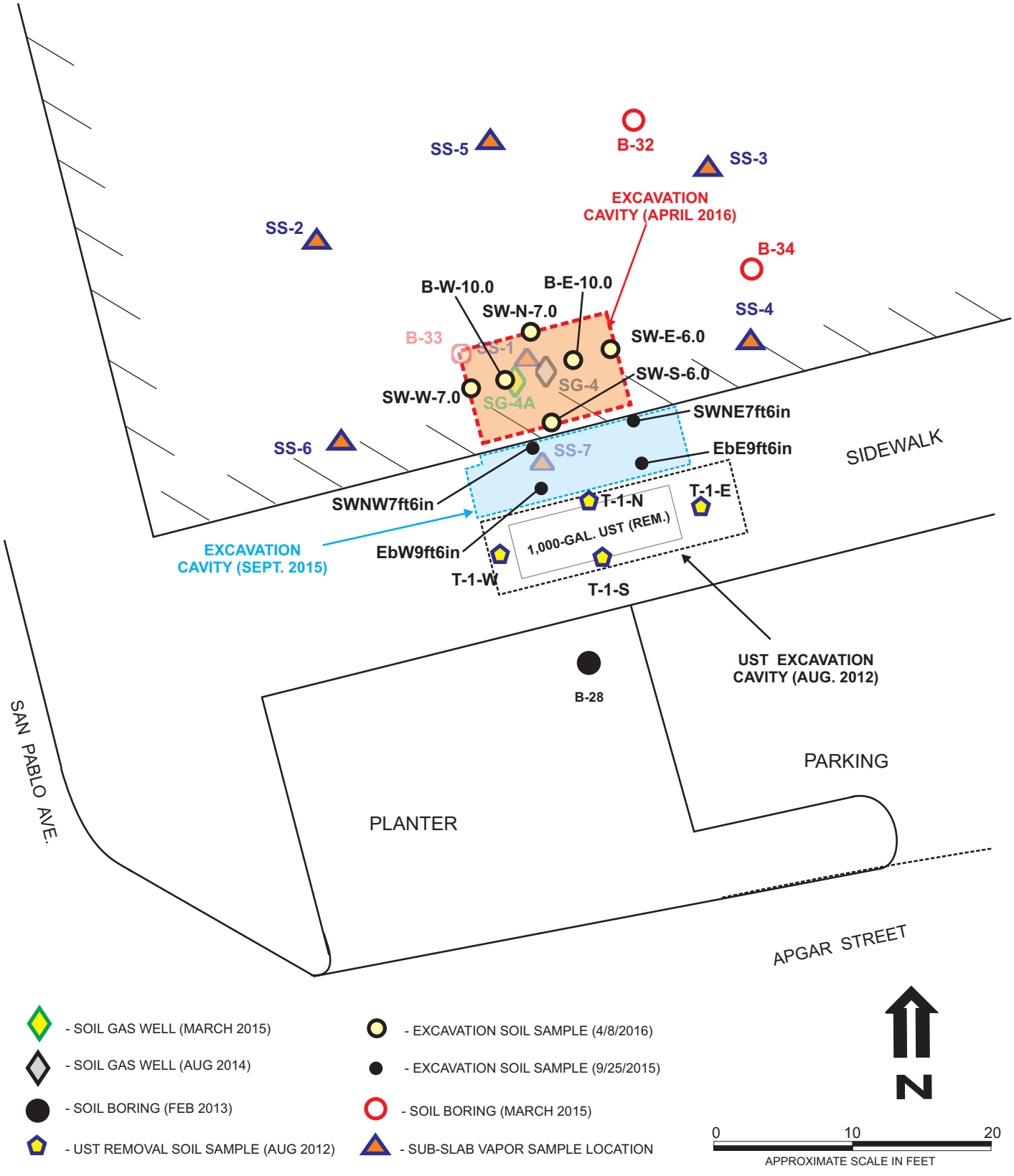
FIGURES



DESIGNED BY:	CHECKED BY: JG	**SITE VICINITY MAP**	DATE: 4/25/2016	FIGURE: 1
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 4/25/2016	FIGURE: **2**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**APRIL 2016 EXCAVATION AREA & SAMPLE LOCATIONS**	DATE: 4/25/2016	FIGURE: 3
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		

ATTACHMENT A

LABORATORY DATA REPORTS AND CHAIN-OF-CUSTODY RECORDS

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1604361

Report Created for: Gribi Associates

1090 Adams St., Suite K
Benicia, CA 94510

Project Contact: Jim Gribi
Project P.O.:
Project Name: Maz Glass

Project Received: 04/08/2016

Analytical Report reviewed & approved for release on 04/12/2016 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CDPH ELAP 1644 ♦ NELAP 4033ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Gribi Associates
Project: Maz Glass
WorkOrder: 1604361

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
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
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Gribi Associates
Project: Maz Glass
WorkOrder: 1604361

Analytical Qualifiers

S	Surrogate spike recovery outside accepted recovery limits
a3	sample diluted due to high organic content.
c2	surrogate recovery outside of the control limits due to matrix interference.
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9	no recognizable pattern
e8	kerosene/kerosene range/jet fuel range
e11/e4	stoddard solvent/mineral spirit (?); and/or gasoline range compounds are significant.
e11	stoddard solvent/mineral spirit (?)

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-E-10.0	1604361-001A	Soil	04/08/2016 10:00	GC16	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	1.0	10	04/21/2016 15:18
tert-Amyl methyl ether (TAME)	ND	0.050	10	04/21/2016 15:18
Benzene	ND	0.050	10	04/21/2016 15:18
Bromobenzene	ND	0.050	10	04/21/2016 15:18
Bromochloromethane	ND	0.050	10	04/21/2016 15:18
Bromodichloromethane	ND	0.050	10	04/21/2016 15:18
Bromoform	ND	0.050	10	04/21/2016 15:18
Bromomethane	ND	0.050	10	04/21/2016 15:18
2-Butanone (MEK)	ND	0.20	10	04/21/2016 15:18
t-Butyl alcohol (TBA)	ND	0.50	10	04/21/2016 15:18
n-Butyl benzene	ND	0.050	10	04/21/2016 15:18
sec-Butyl benzene	ND	0.050	10	04/21/2016 15:18
tert-Butyl benzene	ND	0.050	10	04/21/2016 15:18
Carbon Disulfide	ND	0.050	10	04/21/2016 15:18
Carbon Tetrachloride	ND	0.050	10	04/21/2016 15:18
Chlorobenzene	ND	0.050	10	04/21/2016 15:18
Chloroethane	ND	0.050	10	04/21/2016 15:18
Chloroform	ND	0.050	10	04/21/2016 15:18
Chloromethane	ND	0.050	10	04/21/2016 15:18
2-Chlorotoluene	ND	0.050	10	04/21/2016 15:18
4-Chlorotoluene	ND	0.050	10	04/21/2016 15:18
Dibromochloromethane	ND	0.050	10	04/21/2016 15:18
1,2-Dibromo-3-chloropropane	ND	0.040	10	04/21/2016 15:18
1,2-Dibromoethane (EDB)	ND	0.040	10	04/21/2016 15:18
Dibromomethane	ND	0.050	10	04/21/2016 15:18
1,2-Dichlorobenzene	ND	0.050	10	04/21/2016 15:18
1,3-Dichlorobenzene	ND	0.050	10	04/21/2016 15:18
1,4-Dichlorobenzene	ND	0.050	10	04/21/2016 15:18
Dichlorodifluoromethane	ND	0.050	10	04/21/2016 15:18
1,1-Dichloroethane	ND	0.050	10	04/21/2016 15:18
1,2-Dichloroethane (1,2-DCA)	ND	0.040	10	04/21/2016 15:18
1,1-Dichloroethene	ND	0.050	10	04/21/2016 15:18
cis-1,2-Dichloroethene	ND	0.050	10	04/21/2016 15:18
trans-1,2-Dichloroethene	ND	0.050	10	04/21/2016 15:18
1,2-Dichloropropane	ND	0.050	10	04/21/2016 15:18
1,3-Dichloropropane	ND	0.050	10	04/21/2016 15:18
2,2-Dichloropropane	ND	0.050	10	04/21/2016 15:18

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-E-10.0	1604361-001A	Soil	04/08/2016 10:00	GC16	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.050	10	04/21/2016 15:18
cis-1,3-Dichloropropene	ND	0.050	10	04/21/2016 15:18
trans-1,3-Dichloropropene	ND	0.050	10	04/21/2016 15:18
Diisopropyl ether (DIPE)	ND	0.050	10	04/21/2016 15:18
Ethylbenzene	ND	0.050	10	04/21/2016 15:18
Ethyl tert-butyl ether (ETBE)	ND	0.050	10	04/21/2016 15:18
Freon 113	ND	0.050	10	04/21/2016 15:18
Hexachlorobutadiene	ND	0.050	10	04/21/2016 15:18
Hexachloroethane	ND	0.050	10	04/21/2016 15:18
2-Hexanone	ND	0.050	10	04/21/2016 15:18
Isopropylbenzene	ND	0.050	10	04/21/2016 15:18
4-Isopropyl toluene	ND	0.050	10	04/21/2016 15:18
Methyl-t-butyl ether (MTBE)	ND	0.050	10	04/21/2016 15:18
Methylene chloride	ND	0.050	10	04/21/2016 15:18
4-Methyl-2-pentanone (MIBK)	ND	0.050	10	04/21/2016 15:18
Naphthalene	ND	0.050	10	04/21/2016 15:18
n-Propyl benzene	ND	0.050	10	04/21/2016 15:18
Styrene	ND	0.050	10	04/21/2016 15:18
1,1,1,2-Tetrachloroethane	ND	0.050	10	04/21/2016 15:18
1,1,2,2-Tetrachloroethane	ND	0.050	10	04/21/2016 15:18
Tetrachloroethene	ND	0.050	10	04/21/2016 15:18
Toluene	ND	0.050	10	04/21/2016 15:18
1,2,3-Trichlorobenzene	ND	0.050	10	04/21/2016 15:18
1,2,4-Trichlorobenzene	ND	0.050	10	04/21/2016 15:18
1,1,1-Trichloroethane	ND	0.050	10	04/21/2016 15:18
1,1,2-Trichloroethane	ND	0.050	10	04/21/2016 15:18
Trichloroethene	ND	0.050	10	04/21/2016 15:18
Trichlorofluoromethane	ND	0.050	10	04/21/2016 15:18
1,2,3-Trichloropropane	ND	0.050	10	04/21/2016 15:18
1,2,4-Trimethylbenzene	ND	0.050	10	04/21/2016 15:18
1,3,5-Trimethylbenzene	ND	0.050	10	04/21/2016 15:18
Vinyl Chloride	ND	0.050	10	04/21/2016 15:18
Xylenes, Total	ND	0.050	10	04/21/2016 15:18

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-E-10.0	**1604361-001A**	**Soil**	**04/08/2016 10:00**	**GC16**	**119276**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	98	70-130		04/21/2016 15:18
Toluene-d8	90	70-130		04/21/2016 15:18
4-BFB	101	70-130		04/21/2016 15:18
Benzene-d6	100	60-140		04/21/2016 15:18
Ethylbenzene-d10	109	60-140		04/21/2016 15:18
1,2-DCB-d4	115	60-140		04/21/2016 15:18

Analyst(s): HK Analytical Comments: a3

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-W-10.0	1604361-002A	Soil	04/08/2016 11:45	GC16	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/21/2016 15:58
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/21/2016 15:58
Benzene	ND	0.0050	1	04/21/2016 15:58
Bromobenzene	ND	0.0050	1	04/21/2016 15:58
Bromochloromethane	ND	0.0050	1	04/21/2016 15:58
Bromodichloromethane	ND	0.0050	1	04/21/2016 15:58
Bromoform	ND	0.0050	1	04/21/2016 15:58
Bromomethane	ND	0.0050	1	04/21/2016 15:58
2-Butanone (MEK)	ND	0.020	1	04/21/2016 15:58
t-Butyl alcohol (TBA)	ND	0.050	1	04/21/2016 15:58
n-Butyl benzene	ND	0.0050	1	04/21/2016 15:58
sec-Butyl benzene	ND	0.0050	1	04/21/2016 15:58
tert-Butyl benzene	ND	0.0050	1	04/21/2016 15:58
Carbon Disulfide	ND	0.0050	1	04/21/2016 15:58
Carbon Tetrachloride	ND	0.0050	1	04/21/2016 15:58
Chlorobenzene	ND	0.0050	1	04/21/2016 15:58
Chloroethane	ND	0.0050	1	04/21/2016 15:58
Chloroform	ND	0.0050	1	04/21/2016 15:58
Chloromethane	ND	0.0050	1	04/21/2016 15:58
2-Chlorotoluene	ND	0.0050	1	04/21/2016 15:58
4-Chlorotoluene	ND	0.0050	1	04/21/2016 15:58
Dibromochloromethane	ND	0.0050	1	04/21/2016 15:58
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/21/2016 15:58
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/21/2016 15:58
Dibromomethane	ND	0.0050	1	04/21/2016 15:58
1,2-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:58
1,3-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:58
1,4-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:58
Dichlorodifluoromethane	ND	0.0050	1	04/21/2016 15:58
1,1-Dichloroethane	ND	0.0050	1	04/21/2016 15:58
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/21/2016 15:58
1,1-Dichloroethene	ND	0.0050	1	04/21/2016 15:58
cis-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 15:58
trans-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 15:58
1,2-Dichloropropane	ND	0.0050	1	04/21/2016 15:58
1,3-Dichloropropane	ND	0.0050	1	04/21/2016 15:58
2,2-Dichloropropane	ND	0.0050	1	04/21/2016 15:58

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-W-10.0	1604361-002A	Soil	04/08/2016 11:45	GC16	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/21/2016 15:58
cis-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 15:58
trans-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 15:58
Diisopropyl ether (DIPE)	ND	0.0050	1	04/21/2016 15:58
Ethylbenzene	ND	0.0050	1	04/21/2016 15:58
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/21/2016 15:58
Freon 113	ND	0.0050	1	04/21/2016 15:58
Hexachlorobutadiene	ND	0.0050	1	04/21/2016 15:58
Hexachloroethane	ND	0.0050	1	04/21/2016 15:58
2-Hexanone	ND	0.0050	1	04/21/2016 15:58
Isopropylbenzene	ND	0.0050	1	04/21/2016 15:58
4-Isopropyl toluene	ND	0.0050	1	04/21/2016 15:58
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/21/2016 15:58
Methylene chloride	ND	0.0050	1	04/21/2016 15:58
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/21/2016 15:58
Naphthalene	ND	0.0050	1	04/21/2016 15:58
n-Propyl benzene	ND	0.0050	1	04/21/2016 15:58
Styrene	ND	0.0050	1	04/21/2016 15:58
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 15:58
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 15:58
Tetrachloroethene	ND	0.0050	1	04/21/2016 15:58
Toluene	ND	0.0050	1	04/21/2016 15:58
1,2,3-Trichlorobenzene	ND	0.0050	1	04/21/2016 15:58
1,2,4-Trichlorobenzene	ND	0.0050	1	04/21/2016 15:58
1,1,1-Trichloroethane	ND	0.0050	1	04/21/2016 15:58
1,1,2-Trichloroethane	ND	0.0050	1	04/21/2016 15:58
Trichloroethene	ND	0.0050	1	04/21/2016 15:58
Trichlorofluoromethane	ND	0.0050	1	04/21/2016 15:58
1,2,3-Trichloropropane	ND	0.0050	1	04/21/2016 15:58
1,2,4-Trimethylbenzene	ND	0.0050	1	04/21/2016 15:58
1,3,5-Trimethylbenzene	ND	0.0050	1	04/21/2016 15:58
Vinyl Chloride	ND	0.0050	1	04/21/2016 15:58
Xylenes, Total	ND	0.0050	1	04/21/2016 15:58

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-W-10.0	**1604361-002A**	**Soil**	**04/08/2016 11:45**	**GC16**	**119276**

Analytes	Result		RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	100		70-130		04/21/2016 15:58
Toluene-d8	91		70-130		04/21/2016 15:58
4-BFB	99		70-130		04/21/2016 15:58
Benzene-d6	24	S	60-140		04/21/2016 15:58
Ethylbenzene-d10	25	S	60-140		04/21/2016 15:58
1,2-DCB-d4	22	S	60-140		04/21/2016 15:58

Analyst(s): AK Analytical Comments: c2

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-N-7.0	1604361-003A	Soil	04/08/2016 12:05	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/21/2016 15:28
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/21/2016 15:28
Benzene	ND	0.0050	1	04/21/2016 15:28
Bromobenzene	ND	0.0050	1	04/21/2016 15:28
Bromochloromethane	ND	0.0050	1	04/21/2016 15:28
Bromodichloromethane	ND	0.0050	1	04/21/2016 15:28
Bromoform	ND	0.0050	1	04/21/2016 15:28
Bromomethane	ND	0.0050	1	04/21/2016 15:28
2-Butanone (MEK)	ND	0.020	1	04/21/2016 15:28
t-Butyl alcohol (TBA)	ND	0.050	1	04/21/2016 15:28
n-Butyl benzene	ND	0.0050	1	04/21/2016 15:28
sec-Butyl benzene	ND	0.0050	1	04/21/2016 15:28
tert-Butyl benzene	ND	0.0050	1	04/21/2016 15:28
Carbon Disulfide	ND	0.0050	1	04/21/2016 15:28
Carbon Tetrachloride	ND	0.0050	1	04/21/2016 15:28
Chlorobenzene	ND	0.0050	1	04/21/2016 15:28
Chloroethane	ND	0.0050	1	04/21/2016 15:28
Chloroform	ND	0.0050	1	04/21/2016 15:28
Chloromethane	ND	0.0050	1	04/21/2016 15:28
2-Chlorotoluene	ND	0.0050	1	04/21/2016 15:28
4-Chlorotoluene	ND	0.0050	1	04/21/2016 15:28
Dibromochloromethane	ND	0.0050	1	04/21/2016 15:28
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/21/2016 15:28
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/21/2016 15:28
Dibromomethane	ND	0.0050	1	04/21/2016 15:28
1,2-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:28
1,3-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:28
1,4-Dichlorobenzene	ND	0.0050	1	04/21/2016 15:28
Dichlorodifluoromethane	ND	0.0050	1	04/21/2016 15:28
1,1-Dichloroethane	ND	0.0050	1	04/21/2016 15:28
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/21/2016 15:28
1,1-Dichloroethene	ND	0.0050	1	04/21/2016 15:28
cis-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 15:28
trans-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 15:28
1,2-Dichloropropane	ND	0.0050	1	04/21/2016 15:28
1,3-Dichloropropane	ND	0.0050	1	04/21/2016 15:28
2,2-Dichloropropane	ND	0.0050	1	04/21/2016 15:28

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-N-7.0	1604361-003A	Soil	04/08/2016 12:05	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/21/2016 15:28
cis-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 15:28
trans-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 15:28
Diisopropyl ether (DIPE)	ND	0.0050	1	04/21/2016 15:28
Ethylbenzene	ND	0.0050	1	04/21/2016 15:28
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/21/2016 15:28
Freon 113	ND	0.0050	1	04/21/2016 15:28
Hexachlorobutadiene	ND	0.0050	1	04/21/2016 15:28
Hexachloroethane	ND	0.0050	1	04/21/2016 15:28
2-Hexanone	ND	0.0050	1	04/21/2016 15:28
Isopropylbenzene	ND	0.0050	1	04/21/2016 15:28
4-Isopropyl toluene	ND	0.0050	1	04/21/2016 15:28
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/21/2016 15:28
Methylene chloride	ND	0.0050	1	04/21/2016 15:28
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/21/2016 15:28
Naphthalene	ND	0.0050	1	04/21/2016 15:28
n-Propyl benzene	ND	0.0050	1	04/21/2016 15:28
Styrene	ND	0.0050	1	04/21/2016 15:28
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 15:28
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 15:28
Tetrachloroethene	ND	0.0050	1	04/21/2016 15:28
Toluene	ND	0.0050	1	04/21/2016 15:28
1,2,3-Trichlorobenzene	ND	0.0050	1	04/21/2016 15:28
1,2,4-Trichlorobenzene	ND	0.0050	1	04/21/2016 15:28
1,1,1-Trichloroethane	ND	0.0050	1	04/21/2016 15:28
1,1,2-Trichloroethane	ND	0.0050	1	04/21/2016 15:28
Trichloroethene	ND	0.0050	1	04/21/2016 15:28
Trichlorofluoromethane	ND	0.0050	1	04/21/2016 15:28
1,2,3-Trichloropropane	ND	0.0050	1	04/21/2016 15:28
1,2,4-Trimethylbenzene	ND	0.0050	1	04/21/2016 15:28
1,3,5-Trimethylbenzene	ND	0.0050	1	04/21/2016 15:28
Vinyl Chloride	ND	0.0050	1	04/21/2016 15:28
Xylenes, Total	ND	0.0050	1	04/21/2016 15:28

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-N-7.0	**1604361-003A**	**Soil**	**04/08/2016 12:05**	**GC10**	**119276**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	106	70-130		04/21/2016 15:28
Toluene-d8	106	70-130		04/21/2016 15:28
4-BFB	126	70-130		04/21/2016 15:28
Benzene-d6	97	60-140		04/21/2016 15:28
Ethylbenzene-d10	105	60-140		04/21/2016 15:28
1,2-DCB-d4	84	60-140		04/21/2016 15:28

Analyst(s): HK

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-S-6.0	1604361-004A	Soil	04/08/2016 12:15	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/21/2016 04:57
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/21/2016 04:57
Benzene	ND	0.0050	1	04/21/2016 04:57
Bromobenzene	ND	0.0050	1	04/21/2016 04:57
Bromochloromethane	ND	0.0050	1	04/21/2016 04:57
Bromodichloromethane	ND	0.0050	1	04/21/2016 04:57
Bromoform	ND	0.0050	1	04/21/2016 04:57
Bromomethane	ND	0.0050	1	04/21/2016 04:57
2-Butanone (MEK)	ND	0.020	1	04/21/2016 04:57
t-Butyl alcohol (TBA)	ND	0.050	1	04/21/2016 04:57
n-Butyl benzene	ND	0.0050	1	04/21/2016 04:57
sec-Butyl benzene	ND	0.0050	1	04/21/2016 04:57
tert-Butyl benzene	ND	0.0050	1	04/21/2016 04:57
Carbon Disulfide	ND	0.0050	1	04/21/2016 04:57
Carbon Tetrachloride	ND	0.0050	1	04/21/2016 04:57
Chlorobenzene	ND	0.0050	1	04/21/2016 04:57
Chloroethane	ND	0.0050	1	04/21/2016 04:57
Chloroform	ND	0.0050	1	04/21/2016 04:57
Chloromethane	ND	0.0050	1	04/21/2016 04:57
2-Chlorotoluene	ND	0.0050	1	04/21/2016 04:57
4-Chlorotoluene	ND	0.0050	1	04/21/2016 04:57
Dibromochloromethane	ND	0.0050	1	04/21/2016 04:57
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/21/2016 04:57
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/21/2016 04:57
Dibromomethane	ND	0.0050	1	04/21/2016 04:57
1,2-Dichlorobenzene	ND	0.0050	1	04/21/2016 04:57
1,3-Dichlorobenzene	ND	0.0050	1	04/21/2016 04:57
1,4-Dichlorobenzene	ND	0.0050	1	04/21/2016 04:57
Dichlorodifluoromethane	ND	0.0050	1	04/21/2016 04:57
1,1-Dichloroethane	ND	0.0050	1	04/21/2016 04:57
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/21/2016 04:57
1,1-Dichloroethene	ND	0.0050	1	04/21/2016 04:57
cis-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 04:57
trans-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 04:57
1,2-Dichloropropane	ND	0.0050	1	04/21/2016 04:57
1,3-Dichloropropane	ND	0.0050	1	04/21/2016 04:57
2,2-Dichloropropane	ND	0.0050	1	04/21/2016 04:57

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-S-6.0	1604361-004A	Soil	04/08/2016 12:15	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/21/2016 04:57
cis-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 04:57
trans-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 04:57
Diisopropyl ether (DIPE)	ND	0.0050	1	04/21/2016 04:57
Ethylbenzene	ND	0.0050	1	04/21/2016 04:57
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/21/2016 04:57
Freon 113	ND	0.0050	1	04/21/2016 04:57
Hexachlorobutadiene	ND	0.0050	1	04/21/2016 04:57
Hexachloroethane	ND	0.0050	1	04/21/2016 04:57
2-Hexanone	ND	0.0050	1	04/21/2016 04:57
Isopropylbenzene	ND	0.0050	1	04/21/2016 04:57
4-Isopropyl toluene	ND	0.0050	1	04/21/2016 04:57
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/21/2016 04:57
Methylene chloride	ND	0.0050	1	04/21/2016 04:57
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/21/2016 04:57
Naphthalene	ND	0.0050	1	04/21/2016 04:57
n-Propyl benzene	ND	0.0050	1	04/21/2016 04:57
Styrene	ND	0.0050	1	04/21/2016 04:57
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 04:57
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 04:57
Tetrachloroethene	ND	0.0050	1	04/21/2016 04:57
Toluene	ND	0.0050	1	04/21/2016 04:57
1,2,3-Trichlorobenzene	ND	0.0050	1	04/21/2016 04:57
1,2,4-Trichlorobenzene	ND	0.0050	1	04/21/2016 04:57
1,1,1-Trichloroethane	ND	0.0050	1	04/21/2016 04:57
1,1,2-Trichloroethane	ND	0.0050	1	04/21/2016 04:57
Trichloroethene	ND	0.0050	1	04/21/2016 04:57
Trichlorofluoromethane	ND	0.0050	1	04/21/2016 04:57
1,2,3-Trichloropropane	ND	0.0050	1	04/21/2016 04:57
1,2,4-Trimethylbenzene	ND	0.0050	1	04/21/2016 04:57
1,3,5-Trimethylbenzene	ND	0.0050	1	04/21/2016 04:57
Vinyl Chloride	ND	0.0050	1	04/21/2016 04:57
Xylenes, Total	ND	0.0050	1	04/21/2016 04:57

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-S-6.0	**1604361-004A**	**Soil**	**04/08/2016 12:15**	**GC10**	**119276**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	107	70-130		04/21/2016 04:57
Toluene-d8	109	70-130		04/21/2016 04:57
4-BFB	120	70-130		04/21/2016 04:57
Benzene-d6	97	60-140		04/21/2016 04:57
Ethylbenzene-d10	104	60-140		04/21/2016 04:57
1,2-DCB-d4	89	60-140		04/21/2016 04:57

Analyst(s): KF

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-E-6.0	1604361-005A	Soil	04/08/2016 10:10	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/21/2016 16:49
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/21/2016 16:49
Benzene	ND	0.0050	1	04/21/2016 16:49
Bromobenzene	ND	0.0050	1	04/21/2016 16:49
Bromochloromethane	ND	0.0050	1	04/21/2016 16:49
Bromodichloromethane	ND	0.0050	1	04/21/2016 16:49
Bromoform	ND	0.0050	1	04/21/2016 16:49
Bromomethane	ND	0.0050	1	04/21/2016 16:49
2-Butanone (MEK)	ND	0.020	1	04/21/2016 16:49
t-Butyl alcohol (TBA)	ND	0.050	1	04/21/2016 16:49
n-Butyl benzene	ND	0.0050	1	04/21/2016 16:49
sec-Butyl benzene	ND	0.0050	1	04/21/2016 16:49
tert-Butyl benzene	ND	0.0050	1	04/21/2016 16:49
Carbon Disulfide	ND	0.0050	1	04/21/2016 16:49
Carbon Tetrachloride	ND	0.0050	1	04/21/2016 16:49
Chlorobenzene	ND	0.0050	1	04/21/2016 16:49
Chloroethane	ND	0.0050	1	04/21/2016 16:49
Chloroform	ND	0.0050	1	04/21/2016 16:49
Chloromethane	ND	0.0050	1	04/21/2016 16:49
2-Chlorotoluene	ND	0.0050	1	04/21/2016 16:49
4-Chlorotoluene	ND	0.0050	1	04/21/2016 16:49
Dibromochloromethane	ND	0.0050	1	04/21/2016 16:49
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/21/2016 16:49
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/21/2016 16:49
Dibromomethane	ND	0.0050	1	04/21/2016 16:49
1,2-Dichlorobenzene	ND	0.0050	1	04/21/2016 16:49
1,3-Dichlorobenzene	ND	0.0050	1	04/21/2016 16:49
1,4-Dichlorobenzene	ND	0.0050	1	04/21/2016 16:49
Dichlorodifluoromethane	ND	0.0050	1	04/21/2016 16:49
1,1-Dichloroethane	ND	0.0050	1	04/21/2016 16:49
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/21/2016 16:49
1,1-Dichloroethene	ND	0.0050	1	04/21/2016 16:49
cis-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 16:49
trans-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 16:49
1,2-Dichloropropane	ND	0.0050	1	04/21/2016 16:49
1,3-Dichloropropane	ND	0.0050	1	04/21/2016 16:49
2,2-Dichloropropane	ND	0.0050	1	04/21/2016 16:49

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-E-6.0	1604361-005A	Soil	04/08/2016 10:10	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/21/2016 16:49
cis-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 16:49
trans-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 16:49
Diisopropyl ether (DIPE)	ND	0.0050	1	04/21/2016 16:49
Ethylbenzene	ND	0.0050	1	04/21/2016 16:49
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/21/2016 16:49
Freon 113	ND	0.0050	1	04/21/2016 16:49
Hexachlorobutadiene	ND	0.0050	1	04/21/2016 16:49
Hexachloroethane	ND	0.0050	1	04/21/2016 16:49
2-Hexanone	ND	0.0050	1	04/21/2016 16:49
Isopropylbenzene	ND	0.0050	1	04/21/2016 16:49
4-Isopropyl toluene	ND	0.0050	1	04/21/2016 16:49
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/21/2016 16:49
Methylene chloride	ND	0.0050	1	04/21/2016 16:49
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/21/2016 16:49
Naphthalene	ND	0.0050	1	04/21/2016 16:49
n-Propyl benzene	ND	0.0050	1	04/21/2016 16:49
Styrene	ND	0.0050	1	04/21/2016 16:49
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 16:49
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 16:49
Tetrachloroethene	ND	0.0050	1	04/21/2016 16:49
Toluene	ND	0.0050	1	04/21/2016 16:49
1,2,3-Trichlorobenzene	ND	0.0050	1	04/21/2016 16:49
1,2,4-Trichlorobenzene	ND	0.0050	1	04/21/2016 16:49
1,1,1-Trichloroethane	ND	0.0050	1	04/21/2016 16:49
1,1,2-Trichloroethane	ND	0.0050	1	04/21/2016 16:49
Trichloroethene	ND	0.0050	1	04/21/2016 16:49
Trichlorofluoromethane	ND	0.0050	1	04/21/2016 16:49
1,2,3-Trichloropropane	ND	0.0050	1	04/21/2016 16:49
1,2,4-Trimethylbenzene	ND	0.0050	1	04/21/2016 16:49
1,3,5-Trimethylbenzene	ND	0.0050	1	04/21/2016 16:49
Vinyl Chloride	ND	0.0050	1	04/21/2016 16:49
Xylenes, Total	ND	0.0050	1	04/21/2016 16:49

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-E-6.0	**1604361-005A**	**Soil**	**04/08/2016 10:10**	**GC10**	**119276**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	107	70-130		04/21/2016 16:49
Toluene-d8	108	70-130		04/21/2016 16:49
4-BFB	116	70-130		04/21/2016 16:49
Benzene-d6	100	60-140		04/21/2016 16:49
Ethylbenzene-d10	106	60-140		04/21/2016 16:49
1,2-DCB-d4	90	60-140		04/21/2016 16:49

Analyst(s): AK

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-W-7.0	1604361-006A	Soil	04/08/2016 11:55	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/21/2016 17:29
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/21/2016 17:29
Benzene	ND	0.0050	1	04/21/2016 17:29
Bromobenzene	ND	0.0050	1	04/21/2016 17:29
Bromochloromethane	ND	0.0050	1	04/21/2016 17:29
Bromodichloromethane	ND	0.0050	1	04/21/2016 17:29
Bromoform	ND	0.0050	1	04/21/2016 17:29
Bromomethane	ND	0.0050	1	04/21/2016 17:29
2-Butanone (MEK)	ND	0.020	1	04/21/2016 17:29
t-Butyl alcohol (TBA)	ND	0.050	1	04/21/2016 17:29
n-Butyl benzene	ND	0.0050	1	04/21/2016 17:29
sec-Butyl benzene	ND	0.0050	1	04/21/2016 17:29
tert-Butyl benzene	ND	0.0050	1	04/21/2016 17:29
Carbon Disulfide	ND	0.0050	1	04/21/2016 17:29
Carbon Tetrachloride	ND	0.0050	1	04/21/2016 17:29
Chlorobenzene	ND	0.0050	1	04/21/2016 17:29
Chloroethane	ND	0.0050	1	04/21/2016 17:29
Chloroform	ND	0.0050	1	04/21/2016 17:29
Chloromethane	ND	0.0050	1	04/21/2016 17:29
2-Chlorotoluene	ND	0.0050	1	04/21/2016 17:29
4-Chlorotoluene	ND	0.0050	1	04/21/2016 17:29
Dibromochloromethane	ND	0.0050	1	04/21/2016 17:29
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/21/2016 17:29
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/21/2016 17:29
Dibromomethane	ND	0.0050	1	04/21/2016 17:29
1,2-Dichlorobenzene	ND	0.0050	1	04/21/2016 17:29
1,3-Dichlorobenzene	ND	0.0050	1	04/21/2016 17:29
1,4-Dichlorobenzene	ND	0.0050	1	04/21/2016 17:29
Dichlorodifluoromethane	ND	0.0050	1	04/21/2016 17:29
1,1-Dichloroethane	ND	0.0050	1	04/21/2016 17:29
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/21/2016 17:29
1,1-Dichloroethene	ND	0.0050	1	04/21/2016 17:29
cis-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 17:29
trans-1,2-Dichloroethene	ND	0.0050	1	04/21/2016 17:29
1,2-Dichloropropane	ND	0.0050	1	04/21/2016 17:29
1,3-Dichloropropane	ND	0.0050	1	04/21/2016 17:29
2,2-Dichloropropane	ND	0.0050	1	04/21/2016 17:29

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-W-7.0	1604361-006A	Soil	04/08/2016 11:55	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/21/2016 17:29
cis-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 17:29
trans-1,3-Dichloropropene	ND	0.0050	1	04/21/2016 17:29
Diisopropyl ether (DIPE)	ND	0.0050	1	04/21/2016 17:29
Ethylbenzene	ND	0.0050	1	04/21/2016 17:29
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/21/2016 17:29
Freon 113	ND	0.0050	1	04/21/2016 17:29
Hexachlorobutadiene	ND	0.0050	1	04/21/2016 17:29
Hexachloroethane	ND	0.0050	1	04/21/2016 17:29
2-Hexanone	ND	0.0050	1	04/21/2016 17:29
Isopropylbenzene	ND	0.0050	1	04/21/2016 17:29
4-Isopropyl toluene	ND	0.0050	1	04/21/2016 17:29
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/21/2016 17:29
Methylene chloride	ND	0.0050	1	04/21/2016 17:29
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/21/2016 17:29
Naphthalene	ND	0.0050	1	04/21/2016 17:29
n-Propyl benzene	ND	0.0050	1	04/21/2016 17:29
Styrene	ND	0.0050	1	04/21/2016 17:29
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 17:29
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/21/2016 17:29
Tetrachloroethene	ND	0.0050	1	04/21/2016 17:29
Toluene	ND	0.0050	1	04/21/2016 17:29
1,2,3-Trichlorobenzene	ND	0.0050	1	04/21/2016 17:29
1,2,4-Trichlorobenzene	ND	0.0050	1	04/21/2016 17:29
1,1,1-Trichloroethane	ND	0.0050	1	04/21/2016 17:29
1,1,2-Trichloroethane	ND	0.0050	1	04/21/2016 17:29
Trichloroethene	ND	0.0050	1	04/21/2016 17:29
Trichlorofluoromethane	ND	0.0050	1	04/21/2016 17:29
1,2,3-Trichloropropane	ND	0.0050	1	04/21/2016 17:29
1,2,4-Trimethylbenzene	ND	0.0050	1	04/21/2016 17:29
1,3,5-Trimethylbenzene	ND	0.0050	1	04/21/2016 17:29
Vinyl Chloride	ND	0.0050	1	04/21/2016 17:29
Xylenes, Total	ND	0.0050	1	04/21/2016 17:29

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 18:40	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-W-7.0	**1604361-006A**	**Soil**	**04/08/2016 11:55**	**GC10**	**119276**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	106	70-130		04/21/2016 17:29
Toluene-d8	109	70-130		04/21/2016 17:29
4-BFB	115	70-130		04/21/2016 17:29
Benzene-d6	97	60-140		04/21/2016 17:29
Ethylbenzene-d10	104	60-140		04/21/2016 17:29
1,2-DCB-d4	88	60-140		04/21/2016 17:29

Analyst(s): KF

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8021B/8015Bm
Project:	Maz Glass	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-E-10.0	**1604361-001A**	**Soil**	**04/08/2016 10:00**	**GC19**	**119277**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**45**	10	10	04/13/2016 00:32
MTBE	**---**	0.50	10	04/13/2016 00:32
Benzene	**---**	0.050	10	04/13/2016 00:32
Toluene	**---**	0.050	10	04/13/2016 00:32
Ethylbenzene	**---**	0.050	10	04/13/2016 00:32
Xylenes	**---**	0.15	10	04/13/2016 00:32

Surrogates	REC (%)	Limits	
2-Fluorotoluene	94	70-130	04/13/2016 00:32

Analyst(s): IA Analytical Comments: d7,d9

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-W-10.0	**1604361-002A**	**Soil**	**04/08/2016 11:45**	**GC19**	**119277**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**63**	1.0	1	04/13/2016 01:02
MTBE	**---**	0.050	1	04/13/2016 01:02
Benzene	**---**	0.0050	1	04/13/2016 01:02
Toluene	**---**	0.0050	1	04/13/2016 01:02
Ethylbenzene	**---**	0.0050	1	04/13/2016 01:02
Xylenes	**---**	0.015	1	04/13/2016 01:02

Surrogates	REC (%)	Limits	
2-Fluorotoluene	75	70-130	04/13/2016 01:02

Analyst(s): IA Analytical Comments: d7,d9

(Cont.)

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8021B/8015Bm
Project:	Maz Glass	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-N-7.0	**1604361-003A**	**Soil**	**04/08/2016 12:05**	**GC19**	**119277**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**4.4**	1.0	1	04/13/2016 03:33
MTBE	**---**	0.050	1	04/13/2016 03:33
Benzene	**---**	0.0050	1	04/13/2016 03:33
Toluene	**---**	0.0050	1	04/13/2016 03:33
Ethylbenzene	**---**	0.0050	1	04/13/2016 03:33
Xylenes	**---**	0.015	1	04/13/2016 03:33

Surrogates	REC (%)	Limits	
2-Fluorotoluene	88	70-130	04/13/2016 03:33

Analyst(s): IA Analytical Comments: d7

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-S-6.0	**1604361-004A**	**Soil**	**04/08/2016 12:15**	**GC7**	**119277**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	04/12/2016 15:36
MTBE	**---**	0.050	1	04/12/2016 15:36
Benzene	**---**	0.0050	1	04/12/2016 15:36
Toluene	**---**	0.0050	1	04/12/2016 15:36
Ethylbenzene	**---**	0.0050	1	04/12/2016 15:36
Xylenes	**---**	0.015	1	04/12/2016 15:36

Surrogates	REC (%)	Limits	
2-Fluorotoluene	115	70-130	04/12/2016 15:36

Analyst(s): IA

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8021B/8015Bm
Project:	Maz Glass	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-E-6.0	1604361-005A	Soil	04/08/2016 10:10	GC7	119277

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	04/12/2016 18:05
MTBE	---	0.050	1	04/12/2016 18:05
Benzene	---	0.0050	1	04/12/2016 18:05
Toluene	---	0.0050	1	04/12/2016 18:05
Ethylbenzene	---	0.0050	1	04/12/2016 18:05
Xylenes	---	0.015	1	04/12/2016 18:05

Surrogates	REC (%)	Limits	
2-Fluorotoluene	119	70-130	04/12/2016 18:05

Analyst(s): IA

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-W-7.0	1604361-006A	Soil	04/08/2016 11:55	GC7	119277

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	04/12/2016 17:35
MTBE	---	0.050	1	04/12/2016 17:35
Benzene	---	0.0050	1	04/12/2016 17:35
Toluene	---	0.0050	1	04/12/2016 17:35
Ethylbenzene	---	0.0050	1	04/12/2016 17:35
Xylenes	---	0.015	1	04/12/2016 17:35

Surrogates	REC (%)	Limits	
2-Fluorotoluene	117	70-130	04/12/2016 17:35

Analyst(s): IA

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW3550B
Date Prepared:	4/8/16	**Analytical Method:**	SW8015B
Project:	Maz Glass	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-E-10.0	1604361-001A	Soil	04/08/2016 10:00	GC9a	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.0**	1.0	1	04/11/2016 17:10
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/11/2016 17:10

Surrogates	REC (%)	Limits	
C9	98	70-130	04/11/2016 17:10

Analyst(s): TK Analytical Comments: e11,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
B-W-10.0	1604361-002A	Soil	04/08/2016 11:45	GC11B	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2.6**	1.0	1	04/12/2016 04:11
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/12/2016 04:11

Surrogates	REC (%)	Limits	
C9	91	70-130	04/12/2016 04:11

Analyst(s): TK Analytical Comments: e11/e4,e8

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-N-7.0	1604361-003A	Soil	04/08/2016 12:05	GC9a	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	04/11/2016 19:06
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/11/2016 19:06

Surrogates	REC (%)	Limits	
C9	87	70-130	04/11/2016 19:06

Analyst(s): TK

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW3550B
Date Prepared:	4/8/16	**Analytical Method:**	SW8015B
Project:	Maz Glass	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-S-6.0	1604361-004A	Soil	04/08/2016 12:15	GC9a	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	04/11/2016 20:24
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/11/2016 20:24

Surrogates	REC (%)	Limits	
C9	86	70-130	04/11/2016 20:24

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-E-6.0	1604361-005A	Soil	04/08/2016 10:10	GC9a	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	04/11/2016 21:41
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/11/2016 21:41

Surrogates	REC (%)	Limits	
C9	85	70-130	04/11/2016 21:41

Analyst(s): TK

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SW-W-7.0	1604361-006A	Soil	04/08/2016 11:55	GC9a	119278

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	04/11/2016 17:48
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/11/2016 17:48

Surrogates	REC (%)	Limits	
C9	89	70-130	04/11/2016 17:48

Analyst(s): TK

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276 1604337-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0360	0.0050	0.050	-	72	53-116
Benzene	ND	0.0471	0.0050	0.050	-	94	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.164	0.050	0.20	-	82	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0423	0.0050	0.050	-	85	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0398	0.0040	0.050	-	80	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0448	0.0040	0.050	-	90	58-135
1,1-Dichloroethene	ND	0.0457	0.0050	0.050	-	91	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276 1604337-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0442	0.0050	0.050	-	88	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0429	0.0050	0.050	-	86	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0402	0.0050	0.050	-	80	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0468	0.0050	0.050	-	94	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0448	0.0050	0.050	-	90	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276 1604337-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.119	0.122		0.12	95	98	70-130
Toluene-d8	0.120	0.117		0.12	96	94	70-130
4-BFB	0.00971	0.00977		0.012	78	78	70-130
Benzene-d6	0.0785	0.0912		0.10	79	91	60-140
Ethylbenzene-d10	0.0828	0.0940		0.10	83	94	60-140
1,2-DCB-d4	0.0765	0.0794		0.10	76	79	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0360	0.0376	0.050	ND	72	75	56-94	4.30	0
Benzene	0.0468	0.0470	0.050	ND	94	94	60-106	0	0
t-Butyl alcohol (TBA)	0.168	0.180	0.20	ND	84	90	56-140	7.04	0
Chlorobenzene	0.0413	0.0418	0.050	ND	83	84	61-108	1.07	0
1,2-Dibromoethane (EDB)	0.0412	0.0433	0.050	ND	82	87	54-119	4.83	0
1,2-Dichloroethane (1,2-DCA)	0.0450	0.0460	0.050	ND	90	92	48-115	2.09	0
1,1-Dichloroethene	0.0469	0.0470	0.050	ND	94	94	46-111	0	0
Diisopropyl ether (DIPE)	0.0429	0.0429	0.050	ND	86	86	53-111	0	0
Ethyl tert-butyl ether (ETBE)	0.0418	0.0428	0.050	ND	84	86	61-104	2.36	0
Methyl-t-butyl ether (MTBE)	0.0407	0.0426	0.050	ND	81	85	58-107	4.50	0
Toluene	0.0451	0.0456	0.050	ND	90	91	64-114	1.23	0
Trichloroethene	0.0445	0.0450	0.050	ND	89	90	60-116	1.28	0
Surrogate Recovery									
Dibromofluoromethane	0.121	0.122	0.12		97	98	70-130	0.894	0
Toluene-d8	0.115	0.118	0.12		92	94	70-130	2.03	0
4-BFB	0.0101	0.0107	0.012		81	86	88-121	5.89	0
Benzene-d6	0.0918	0.0899	0.10		92	90	60-140	2.15	0
Ethylbenzene-d10	0.0910	0.0895	0.10		91	89	60-140	1.76	0
1,2-DCB-d4	0.0788	0.0787	0.10		79	79	60-140	0	0

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119277
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119277

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.521	0.40	0.60	-	87	70-130
MTBE	ND	0.0888	0.050	0.10	-	89	70-130
Benzene	ND	0.108	0.0050	0.10	-	108	70-130
Toluene	ND	0.100	0.0050	0.10	-	100	70-130
Ethylbenzene	ND	0.108	0.0050	0.10	-	108	70-130
Xylenes	ND	0.320	0.015	0.30	-	107	70-130
Surrogate Recovery							
aaa-TFT	0.114	-		0.1	114	-	-

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119278
Date Analyzed:	4/9/16	**Extraction Method:**	SW3550B
Instrument:	GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119278 1604346-001AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	40.0	1.0	40	-	100	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	22.2	22.4		25	89	89	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	39.6	39.0	40	2.846	92	90	70-130	1.51	30
Surrogate Recovery									
C9	22.1	22.1	25		88	88	70-130	0	30

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QA/QC Officer

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1604361 **ClientCode: GRIB**

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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 TATs: **1 day; 5 days;**

Date Received: **04/08/2016**
Date Logged: **04/08/2016**

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
1604361-001	B-E-10.0	Soil	4/8/2016 10:00	☐	A	A		A								
1604361-002	B-W-10.0	Soil	4/8/2016 11:45	☐	A	A		A								
1604361-003	SW-N-7.0	Soil	4/8/2016 12:05	☐	A	A		A								
1604361-004	SW-S-6.0	Soil	4/8/2016 12:15	☐	A	A		A								
1604361-005	SW-E-6.0	Soil	4/8/2016 10:10	☐	A	A		A								
1604361-006	SW-W-7.0	Soil	4/8/2016 11:55	☐	A	A		A								
1604361-007	SP-N,S,E,W	Soil	4/8/2016 12:30	☐	A	A	A	A								

Test Legend:

1	8260B_S	2	G-MBTEX_S	3	LUFTMS_6020_TTLC_S	4	TPH(DMO)_S
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A contain testgroup.

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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WORK ORDER SUMMARY

Client Name: GRIBI ASSOCIATES
QC Level: LEVEL 2
Work Order: 1604361
Project: Maz Glass
Client Contact: Jim Gribi
Date Logged: 4/8/2016
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
1604361-001A	B-E-10.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 10:00	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-002A	B-W-10.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 11:45	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-003A	SW-N-7.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 12:05	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-004A	SW-S-6.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 12:15	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-005A	SW-E-6.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 10:10	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-006A	SW-W-7.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	☐	4/8/2016 11:55	5 days		☐	
			SW8260B (VOCs)			☐		5 days		☐	
1604361-007A	SP-N,S,E,W	Soil	SW6020 (LUFT)	4 / (4:1)	Stainless Steel tube 2"x6"	☐	4/8/2016 12:30	1 day		☐	
			Multi-Range TPH(g,d,mo)			☐		1 day		☐	
			SW8260B (VOCs)			☐		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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10043601

CHAIN OF CUSTODY RECORD

RUSH

TURN AROUND TIME: RUSH ☐ 1 DAY ☒ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐

GeoTracker EDF ☐ PDF ☐ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim #_____

Report To: Jim Gribi	Bill To:
Company: Gribi Assoc.	
1090 Adams St #K, Benicia, CA 94510	
Tele: (707) 748-7743	E-Mail:
Project #:	Project Name: Maz Gloss
Project Location: Oakland, CA	Purchase Order#
Sampler Signature:	

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other
B-E-10.0		4/08	1000	1					X						
B-W-10.0			1145	1											
SW-N-7.0			1205	1											
SW-S-6.0			1215	1											
SW-E-6.0			1010	1											
SW-W-7.0			1155	1											
SP-N	Comp.	4/08	1230	1											
SP-S				1											
SP-E				1											
SP-W				1											

Analysis Request

BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) w/ MTBE	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis
	X, TPG, TPH-MD							X				X		
	X							X						
	X							X						
	X							X						
	X							X						
	X							X						
	X							X						
	X							X				X		

Comp on WP addon

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
	4/08/16	1840	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

COMMENTS:
*RUSH on composite ONLY

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Sample Receipt Checklist

Client Name:	**Gribi Associates**	Date and Time Received:	**4/8/2016 18:40**
Project Name:	**Maz Glass**	Date Logged:	**4/8/2016**
WorkOrder №:	**1604361** Matrix: Soil	Received by:	Jena Alfaro
Carrier:	Client Drop-In	Logged by:	Briana Cutino

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: 2°C		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 ☐	
	(Ice Type: WET ICE)		

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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Analytical Report

WorkOrder: 1604361 A

Report Created for: Gribi Associates

1090 Adams St., Suite K
Benicia, CA 94510

Project Contact: Jim Gribi
Project P.O.:
Project Name: Maz Glass

Project Received: 04/08/2016

Analytical Report reviewed & approved for release on 04/12/2016 by:

Angela Rydelius,
Laboratory Manager

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

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Glossary of Terms & Qualifier Definitions

Client: Gribi Associates
Project: Maz Glass
WorkOrder: 1604361

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
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
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Gribi Associates
Project: Maz Glass
WorkOrder: 1604361

Analytical Qualifiers

d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9	no recognizable pattern
e8	kerosene/kerosene range/jet fuel range
e11/e4	stoddard solvent/mineral spirit (?); and/or gasoline range compounds are significant.
e11	stoddard solvent/mineral spirit (?)

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	1604361-007A	Soil	04/08/2016 12:30	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	04/09/2016 17:07
tert-Amyl methyl ether (TAME)	ND	0.0050	1	04/09/2016 17:07
Benzene	ND	0.0050	1	04/09/2016 17:07
Bromobenzene	ND	0.0050	1	04/09/2016 17:07
Bromochloromethane	ND	0.0050	1	04/09/2016 17:07
Bromodichloromethane	ND	0.0050	1	04/09/2016 17:07
Bromoform	ND	0.0050	1	04/09/2016 17:07
Bromomethane	ND	0.0050	1	04/09/2016 17:07
2-Butanone (MEK)	ND	0.020	1	04/09/2016 17:07
t-Butyl alcohol (TBA)	ND	0.050	1	04/09/2016 17:07
n-Butyl benzene	ND	0.0050	1	04/09/2016 17:07
sec-Butyl benzene	ND	0.0050	1	04/09/2016 17:07
tert-Butyl benzene	ND	0.0050	1	04/09/2016 17:07
Carbon Disulfide	ND	0.0050	1	04/09/2016 17:07
Carbon Tetrachloride	ND	0.0050	1	04/09/2016 17:07
Chlorobenzene	ND	0.0050	1	04/09/2016 17:07
Chloroethane	ND	0.0050	1	04/09/2016 17:07
Chloroform	ND	0.0050	1	04/09/2016 17:07
Chloromethane	ND	0.0050	1	04/09/2016 17:07
2-Chlorotoluene	ND	0.0050	1	04/09/2016 17:07
4-Chlorotoluene	ND	0.0050	1	04/09/2016 17:07
Dibromochloromethane	ND	0.0050	1	04/09/2016 17:07
1,2-Dibromo-3-chloropropane	ND	0.0040	1	04/09/2016 17:07
1,2-Dibromoethane (EDB)	ND	0.0040	1	04/09/2016 17:07
Dibromomethane	ND	0.0050	1	04/09/2016 17:07
1,2-Dichlorobenzene	ND	0.0050	1	04/09/2016 17:07
1,3-Dichlorobenzene	ND	0.0050	1	04/09/2016 17:07
1,4-Dichlorobenzene	ND	0.0050	1	04/09/2016 17:07
Dichlorodifluoromethane	ND	0.0050	1	04/09/2016 17:07
1,1-Dichloroethane	ND	0.0050	1	04/09/2016 17:07
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	04/09/2016 17:07
1,1-Dichloroethene	ND	0.0050	1	04/09/2016 17:07
cis-1,2-Dichloroethene	ND	0.0050	1	04/09/2016 17:07
trans-1,2-Dichloroethene	ND	0.0050	1	04/09/2016 17:07
1,2-Dichloropropane	ND	0.0050	1	04/09/2016 17:07
1,3-Dichloropropane	ND	0.0050	1	04/09/2016 17:07
2,2-Dichloropropane	ND	0.0050	1	04/09/2016 17:07

(Cont.)

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	1604361-007A	Soil	04/08/2016 12:30	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	04/09/2016 17:07
cis-1,3-Dichloropropene	ND	0.0050	1	04/09/2016 17:07
trans-1,3-Dichloropropene	ND	0.0050	1	04/09/2016 17:07
Diisopropyl ether (DIPE)	ND	0.0050	1	04/09/2016 17:07
Ethylbenzene	ND	0.0050	1	04/09/2016 17:07
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	04/09/2016 17:07
Freon 113	ND	0.0050	1	04/09/2016 17:07
Hexachlorobutadiene	ND	0.0050	1	04/09/2016 17:07
Hexachloroethane	ND	0.0050	1	04/09/2016 17:07
2-Hexanone	ND	0.0050	1	04/09/2016 17:07
Isopropylbenzene	ND	0.0050	1	04/09/2016 17:07
4-Isopropyl toluene	ND	0.0050	1	04/09/2016 17:07
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	04/09/2016 17:07
Methylene chloride	ND	0.0050	1	04/09/2016 17:07
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	04/09/2016 17:07
Naphthalene	**0.0057**	0.0050	1	04/09/2016 17:07
n-Propyl benzene	ND	0.0050	1	04/09/2016 17:07
Styrene	ND	0.0050	1	04/09/2016 17:07
1,1,1,2-Tetrachloroethane	ND	0.0050	1	04/09/2016 17:07
1,1,2,2-Tetrachloroethane	ND	0.0050	1	04/09/2016 17:07
Tetrachloroethene	ND	0.0050	1	04/09/2016 17:07
Toluene	ND	0.0050	1	04/09/2016 17:07
1,2,3-Trichlorobenzene	ND	0.0050	1	04/09/2016 17:07
1,2,4-Trichlorobenzene	ND	0.0050	1	04/09/2016 17:07
1,1,1-Trichloroethane	ND	0.0050	1	04/09/2016 17:07
1,1,2-Trichloroethane	ND	0.0050	1	04/09/2016 17:07
Trichloroethene	ND	0.0050	1	04/09/2016 17:07
Trichlorofluoromethane	ND	0.0050	1	04/09/2016 17:07
1,2,3-Trichloropropane	ND	0.0050	1	04/09/2016 17:07
1,2,4-Trimethylbenzene	ND	0.0050	1	04/09/2016 17:07
1,3,5-Trimethylbenzene	ND	0.0050	1	04/09/2016 17:07
Vinyl Chloride	ND	0.0050	1	04/09/2016 17:07
Xylenes, Total	ND	0.0050	1	04/09/2016 17:07

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8260B
Project:	Maz Glass	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	1604361-007A	Soil	04/08/2016 12:30	GC10	119276

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	96	70-130		04/09/2016 17:07
Toluene-d8	96	70-130		04/09/2016 17:07
4-BFB	89	70-130		04/09/2016 17:07
Benzene-d6	89	60-140		04/09/2016 17:07
Ethylbenzene-d10	97	60-140		04/09/2016 17:07
1,2-DCB-d4	83	60-140		04/09/2016 17:07

Analyst(s): AK

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW5030B
Date Prepared:	4/8/16	**Analytical Method:**	SW8021B/8015Bm
Project:	Maz Glass	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	**1604361-007A**	**Soil**	**04/08/2016 12:30**	**GC3**	**119277**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**13**	1.0	1	04/09/2016 12:12
MTBE	**---**	0.050	1	04/09/2016 12:12
Benzene	**---**	0.0050	1	04/09/2016 12:12
Toluene	**---**	0.0050	1	04/09/2016 12:12
Ethylbenzene	**---**	0.0050	1	04/09/2016 12:12
Xylenes	**---**	0.015	1	04/09/2016 12:12

Surrogates	REC (%)	Limits	
aaa-TFT	81	70-130	04/09/2016 12:12

Analyst(s): IA Analytical Comments: d7,d9

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW3050B
Date Prepared:	4/8/16	**Analytical Method:**	SW6020
Project:	Maz Glass	**Unit:**	mg/Kg

LUFT 5 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	**1604361-007A**	**Soil**	**04/08/2016 12:30**	**ICP-MS1**	**119288**

Analytes	Result	RL	DF	Date Analyzed
Cadmium	ND	0.25	1	04/11/2016 10:56
Chromium	**44**	0.50	1	04/11/2016 10:56
Lead	**8.9**	0.50	1	04/11/2016 10:56
Nickel	**54**	0.50	1	04/11/2016 10:56
Zinc	**51**	5.0	1	04/11/2016 10:56

Surrogates	REC (%)	Limits	
Terbium	97	70-130	04/11/2016 10:56

Analyst(s): DVH

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Analytical Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Received:	4/8/16 19:49	**Extraction Method:**	SW3550B
Date Prepared:	4/8/16	**Analytical Method:**	SW8015B
Project:	Maz Glass	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SP-N,S,E,W	**1604361-007A**	**Soil**	**04/08/2016 12:30**	**GC9a**	**119278**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	04/09/2016 03:27
TPH-Motor Oil (C18-C36)	ND	5.0	1	04/09/2016 03:27

Surrogates	REC (%)	Limits	
C9	89	70-130	04/09/2016 03:27

Analyst(s): TK

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0360	0.0050	0.050	-	72	53-116
Benzene	ND	0.0471	0.0050	0.050	-	94	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.164	0.050	0.20	-	82	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0423	0.0050	0.050	-	85	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0398	0.0040	0.050	-	80	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0448	0.0040	0.050	-	90	58-135
1,1-Dichloroethene	ND	0.0457	0.0050	0.050	-	91	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

(Cont.)

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QA/QC Officer

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0442	0.0050	0.050	-	88	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0429	0.0050	0.050	-	86	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0402	0.0050	0.050	-	80	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0468	0.0050	0.050	-	94	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0448	0.0050	0.050	-	90	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119276
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119276

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.119	0.122		0.12	95	98	70-130
Toluene-d8	0.120	0.117		0.12	96	94	70-130
4-BFB	0.00971	0.00977		0.012	78	78	70-130
Benzene-d6	0.0785	0.0912		0.10	79	91	60-140
Ethylbenzene-d10	0.0828	0.0940		0.10	83	94	60-140
1,2-DCB-d4	0.0765	0.0794		0.10	76	79	60-140

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119277
Date Analyzed:	4/9/16	**Extraction Method:**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119277

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.521	0.40	0.60	-	87	70-130
MTBE	ND	0.0888	0.050	0.10	-	89	70-130
Benzene	ND	0.108	0.0050	0.10	-	108	70-130
Toluene	ND	0.100	0.0050	0.10	-	100	70-130
Ethylbenzene	ND	0.108	0.0050	0.10	-	108	70-130
Xylenes	ND	0.320	0.015	0.30	-	107	70-130
Surrogate Recovery							
aaa-TFT	0.114	0.123		0.10	114	123	70-130

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119288
Date Analyzed:	4/11/16	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119288 1604362-028AMS/MSD 1604362-028APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Cadmium	ND	55.9	0.25	50	-	112	75-125
Chromium	ND	59.4	0.50	50	-	119	75-125
Lead	ND	54.8	0.50	50	-	110	75-125
Nickel	ND	54.2	0.50	50	-	108	75-125
Zinc	ND	549	5.0	500	-	110	75-125
Surrogate Recovery							
Terbium	556	579		500	111	116	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Cadmium	54.0	49.6	50	0.36	107	98	75-125	8.55	20
Chromium	74.1	68.7	50	19	111	100	75-125	7.51	20
Lead	68.4	63.6	50	27.49	82	72,F10	75-125	7.40	20
Nickel	66.1	61.5	50	11	110	101	75-125	7.24	20
Zinc	751	690	500	230	104	92	75-125	8.48	20
Surrogate Recovery									
Terbium	563	503	500		113	101	70-130	11.4	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	78.6	50	27.49	102	75-125

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Cadmium		0.36		
Chromium		19		
Lead	26.9	27.49	2.15	10
Nickel		11		
Zinc		230		

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

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Quality Control Report

Client:	Gribi Associates	**WorkOrder:**	1604361
Date Prepared:	4/8/16	**BatchID:**	119278
Date Analyzed:	4/9/16	**Extraction Method:**	SW3550B
Instrument:	GC9a	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Maz Glass	**Sample ID:**	MB/LCS-119278 1604346-001AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	40.0	1.0	40	-	100	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	22.2	22.4		25	89	89	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	39.6	39.0	40	2.846	92	90	70-130	1.51	30
Surrogate Recovery									
C9	22.1	22.1	25		88	88	70-130	0	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1604361 A **ClientCode: GRIB**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ 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: 04/08/2016
Date Logged: 04/08/2016
Date Add-On: 04/12/2016

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
1604361-007	SP-N,S,E,W	Soil	4/8/2016 12:30	☐	A	A	A	A								

Test Legend:

1	8260B_S	2	G-MBTEX_S	3	LUFTMS_6020_TTLC_S	4	TPH(DMO)_S
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

Add-On Prepared By: Maria Venegas

Comments: "A" addon for Comp sample 4/12/16.

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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WORK ORDER SUMMARY

Client Name: GRIBI ASSOCIATES
Project: Maz Glass
Comments: "A" addon for Comp sample 4/12/16.

QC Level: LEVEL 2
Client Contact: Jim Gribi
Contact's Email: jgribi@gribiassociates.com; TFerrell@gribiassociates.com

Work Order: 1604361
Date Logged: 4/8/2016
Date Add-On: 4/12/2016

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1604361-007A	SP-N,S,E,W	Soil	SW6020 (LUFT)	4 / (4:1)	Stainless Steel tube 2"x6"	4/8/2016 12:30	1 day		☐	
			Multi-Range TPH(g,d,mo)				1 day		☐	
			SW8260B (VOCs)				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.

1604361 A

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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☒ 2 DAY ☐ 3 DAY ☐ 5 DAY ☐ RUSH

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: Jim Gribi	**Bill To:**
Company: Gribi Associates	
1090 Adams St, #K, Benicia, CA 94510	
Tele: (707) 748-7713	**E-Mail:**
Project #:	**Project Name:** Maz Glass
Project Location:	**Purchase Order#**
Sampler Signature:	

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX: Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	METHOD PRESERVED: HCL	HNO_3	Other	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)***	LUFT 5 Metals (200.8 / 6020)***	Metals (200.8 / 6020)***	Lab to Filter sample for Dissolved metals analysis
																	TPH-G, TPH-MO								MTBE						
SP-N	Comp.	4/08	1230	1					X								X							X				X			
SP-S		↓	↓	1					X																						
SP-E				1					X																						
SP-W				1					X																						

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

*** If metals are requested for water samples and the water type is not specified on the chain of custody, then MAI will default to metals by E200.8.

Relinquished By:	Date:	Time:	Received By:
[signature]	4/8/16	1840	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____