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Alameda County  
Environmental Health

September 27, 2012

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

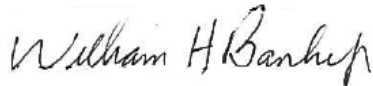
Attention: Mark Detterman

Subject: Third Quarter 2012 Groundwater Monitoring Report  
3800 San Pablo Avenue, Emeryville, California  
**ACDEH Fuel Leak Case: RO00002520; Global ID: T06019788682**

Ladies and Gentlemen:

Attached please find a copy of the *Third Quarter 2012 Groundwater Monitoring* prepared by Gribi Associates. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Very truly yours,



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



September 27, 2012

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

Attention: Mark Detterman

Subject: Third Quarter 2012 Groundwater Monitoring Report  
3800 San Pablo Avenue, Emeryville, California  
**ACDEH Fuel Leak Case: RO00002520; Global ID: T06019788682**

Ladies and Gentlemen:

Gribi Associates is pleased to submit this Third Quarter 2012 Groundwater Monitoring Report on behalf San Pablo Avenue Venture for the property located at 3800 San Pablo Avenue in Emeryville, California (see Figure 1 and Figure 2). This letter report documents the monitoring and sampling of four site wells on September 13, 2012.

#### **DESCRIPTION OF SAMPLING ACTIVITIES**

1. Gribi Associates personnel conducted groundwater monitoring and sampling activities for four site wells (MW-1, MW-2, MW-3, MW-4) on September 13, 2012
2. Groundwater monitoring and sampling was conducted in accordance with California LUFT Field Manual, including the following:
  - a. measuring static water levels;
  - b. checking for presence of free-product;
  - c. and purging of approximately three well volumes while recording of temperature, pH, conductivity, and clarity.
3. Collected groundwater samples were placed in an ice-chilled cooler and submitted to a state-certified laboratory for analyses.
4. Copies of groundwater sampling field data sheets are provided as Attachment A.

## **RESULTS OF GROUNDWATER MONITORING**

### **Hydrologic Conditions**

1. Groundwater depths ranged from approximately 8.80 feet (MW-4) to 10.64 feet (MW-2).
2. Groundwater elevations ranged from 28.32 feet above means sea level (msl) (MW-2) to 29.68 feet msl (MW-4).
3. Groundwater flow direction is to the southwest at a gradient of about 0.011 ft/ft.
4. Groundwater elevations and contours are shown on Figure 2.

### **Laboratory Analytical Results**

1. Groundwater samples from the four sampled wells were analyzed for the following parameters with standard method turn around time on results:
  - a. USEPA 8260B Total Petroleum Hydrocarbons as Gasoline (TPH-G)
  - b. USEPA 8260B Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)
  - c. USEPA 8260B Oxygenates (DIPE, ETBE, MTBE, TAME, TBA)
2. Groundwater analytical results are summarized in Table 1.
3. Groundwater hydrocarbon results for this monitoring event are summarized on Figure 3.
4. The laboratory analytical data report and chain-of custody are provided as Attachment B.

## **CONCLUSIONS**

1. Groundwater laboratory analytical results from this monitoring event showed elevated hydrocarbon levels in all four site monitoring wells.
  - a. Respective groundwater TPH-G and benzene concentrations reported in the four wells were 13,000 micrograms per liter (ug/L) and 630 ppb at MW-1; 11,000 ug/L and 990 ug/L at MW-2; 12,000 ug/L and 1,800 ug/l at MW-3; and 10,000 ug/l and 110 ug/L at MW-4.

## **PLANNED ACTIVITIES**

1. Gribi Associates plans to conduct a quarterly groundwater monitoring and sampling event during the fourth quarter of 2012.

Alameda County  
Department of Public Health  
September 27, 2012  
Page 3

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



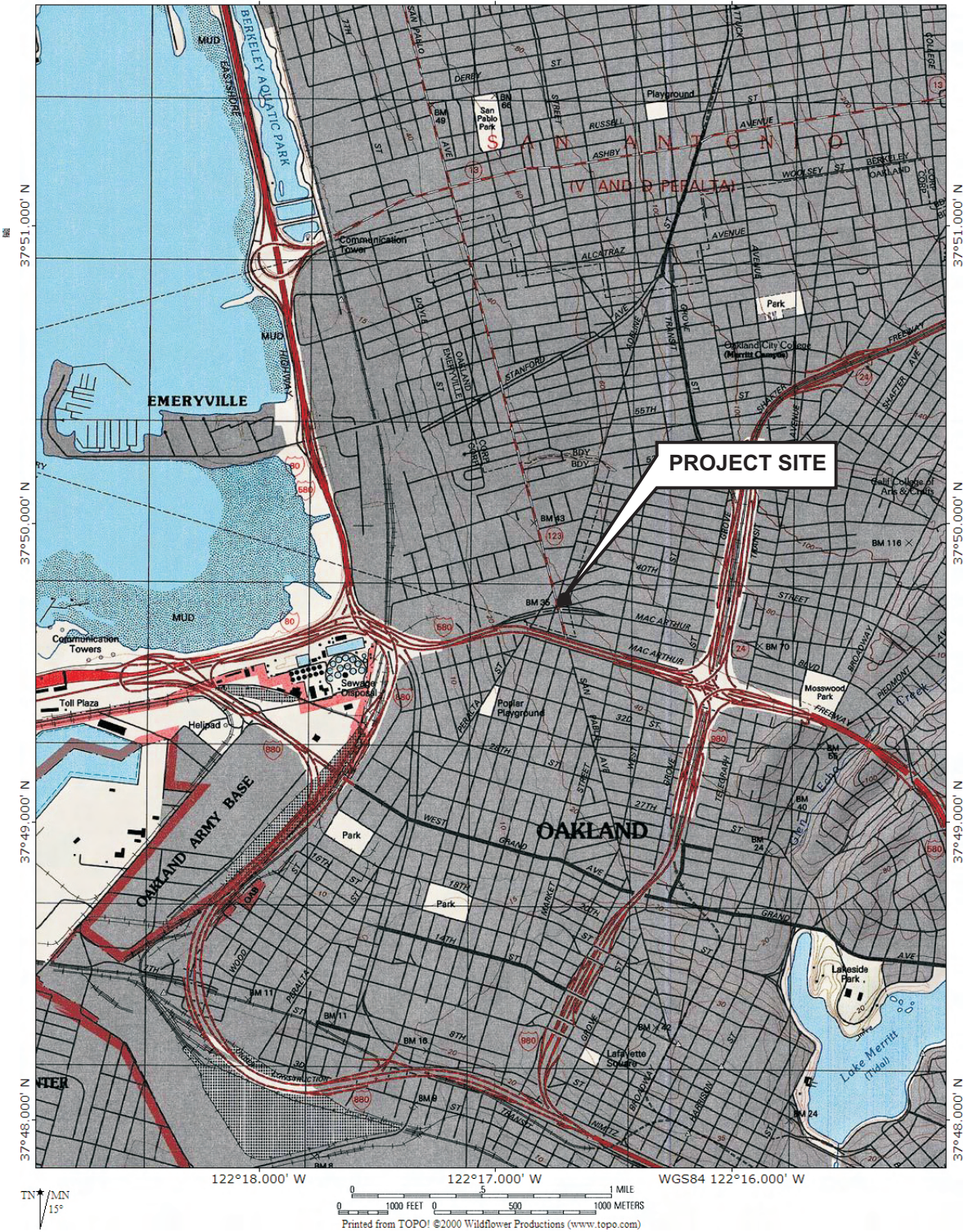
Enclosure

c: Mrs. Elaine Kirk, San Pablo Avenue Venture

## **FIGURES**



TOPO! map printed on 04/03/07 from "California.tpo" and "Untitled.tpg"  
 122°18.000' W 122°17.000' W WGS84 122°16.000' W



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

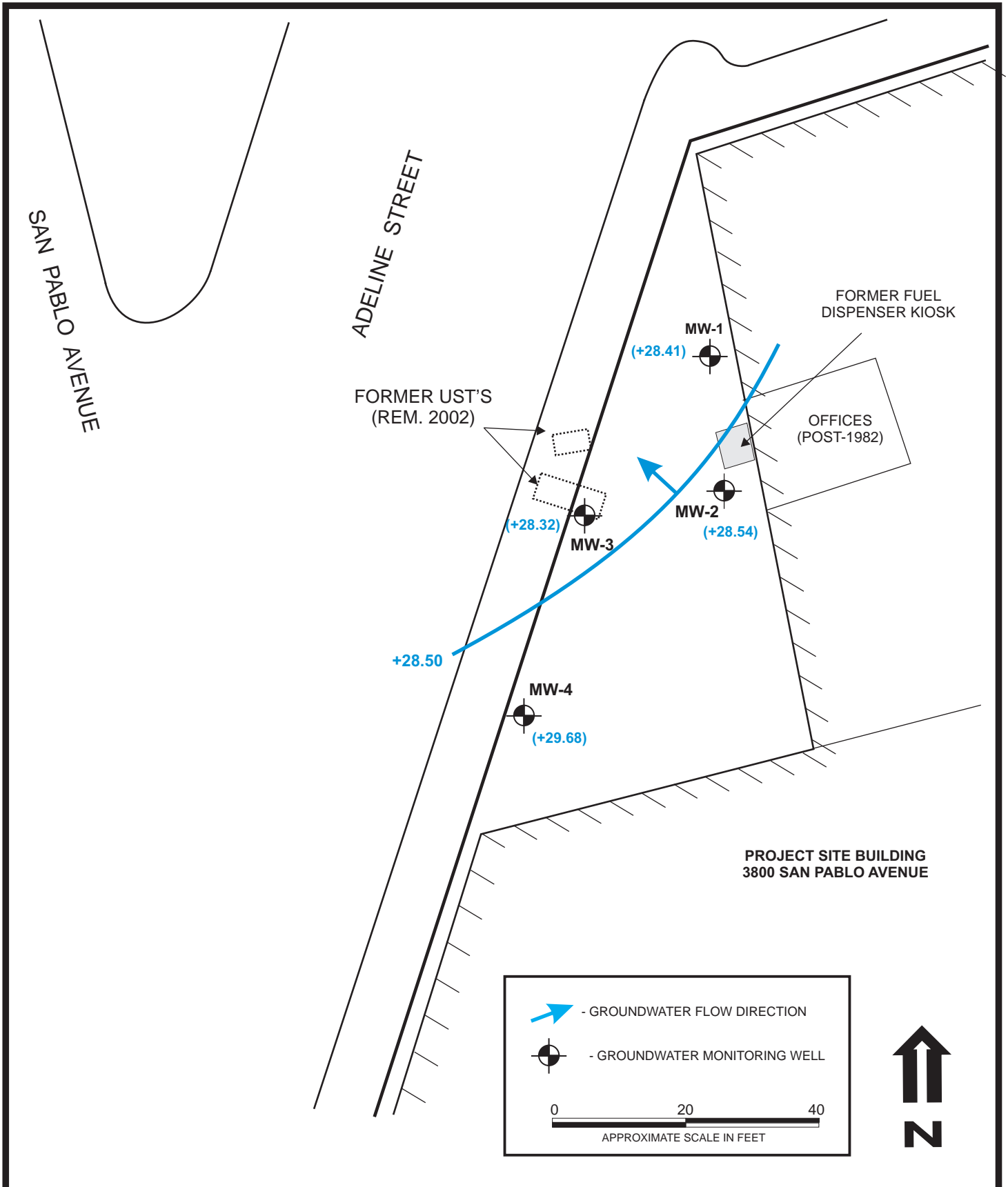
**SITE VICINITY MAP**

3800 SAN PABLO AVENUE  
 EMERYVILLE, CALIFORNIA

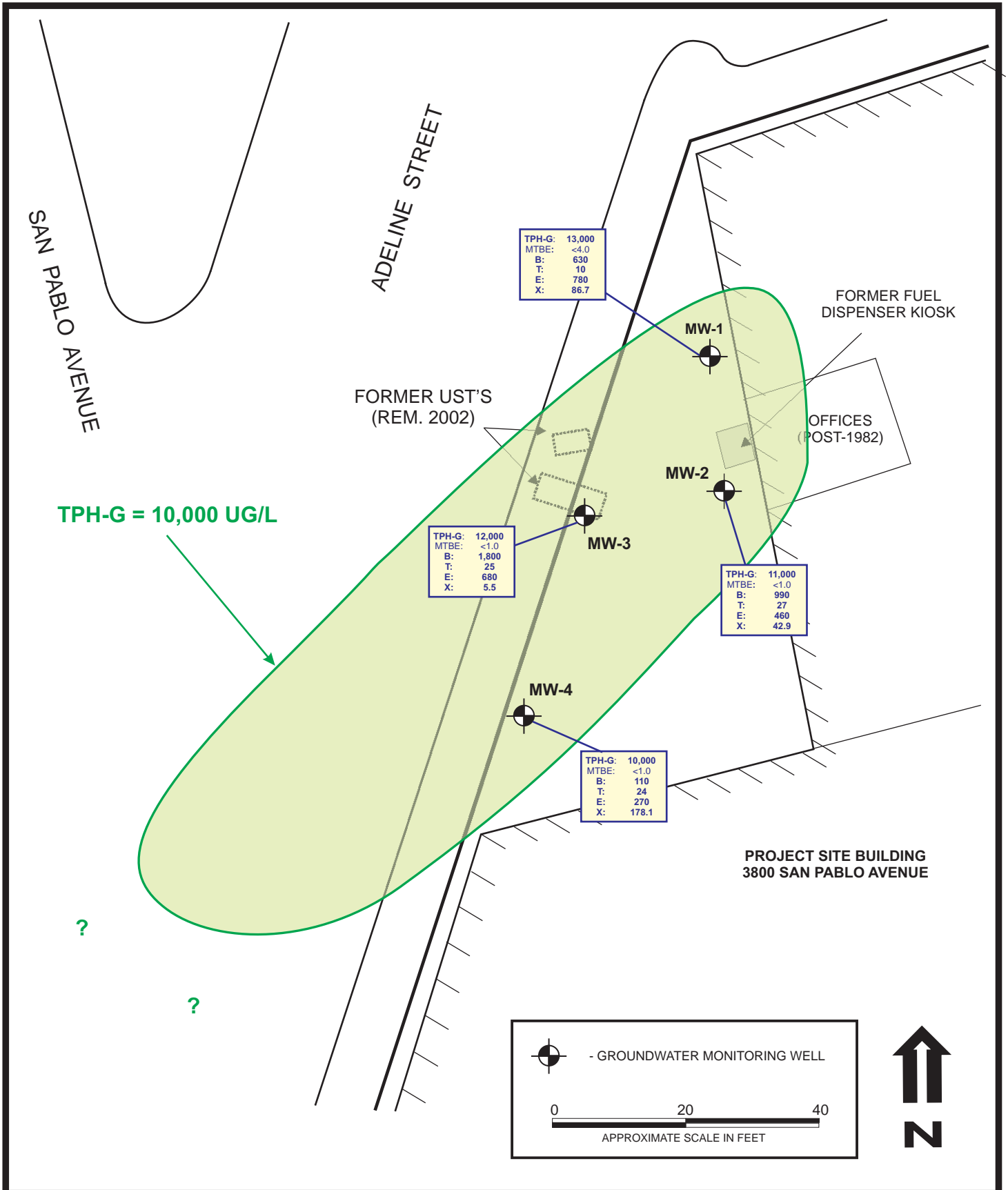
DATE: 09/26/2012      FIGURE: 1







DESIGNED BY:	CHECKED BY:	<b>GROUNDWATER ELEVATION GRADIENT - 09/13/2012</b>  3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA	DATE: 09/26/2012	FIGURE: 2
DRAWN BY: JG	SCALE:			
PROJECT NO:				



DESIGNED BY:	CHECKED BY:	<b>GROUNDWATER HYDROCARBON CONCENTRATIONS - 09/13/2012</b>  3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA	DATE: 09/26/2012	FIGURE: 3
DRAWN BY: JG	SCALE:			
PROJECT NO:				



## **TABLE**

**Table 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
Former Maz Glass UST Site

Sample ID	Sample Date	GW Depth	GW Elev.	Concentration, micrograms per liter (ug/l)					
				TPH-G	B	T	E	X	MTBE
MW-1	05/18/12	8.42	30.54	17,000	1,300	29	770	260	<4.0
<38.96>	09/13/12	10.55	28.41	13,000	630	10	780	86.7	<1.0
MW-2	05/18/12	8.78	30.18	10,000	610	26	340	69	<4.0
<38.96>	09/13/12	10.64	28.32	11,000	990	27	460	42.9	<1.0
MW-3	05/18/12	8.61	30.23	13,000	1,400	36	350	378	<4.0
<38.84>	09/13/12	10.30	28.54	12,000	1,800	25	680	565.5	<1.0
MW-4	05/18/12	8.28	30.20	10,000	82	32	330	278	220
<38.48>	09/13/12	8.80	29.68	10,000	110	24	270	178.1	<1.0

**TABLE NOTES**

GW Elev = Groundwater mean sea level elevation  
TPH-G = Total Petroleum Hydrocarbons as gasoline  
B = Benzene  
T = Toluene  
E = Ethylbenzene

X = Xylenes  
MTBE = Methyl Tertiary Butyl Ether  
<354.15> = Top of casing mean sea level elevation (Virgil Chavez Land Survey).  
<0.50 = Not detected above the expressed value.

**ATTACHMENT A**  
**GROUNDWATER MONITORING FIELD DATA RECORDS**

**Groundwater Monitoring Field Sheet**

Client Name \_\_\_\_\_ Project Name Maz Glass  
 Sampling Personnel MAR Date 9/13/2012  
 Weather Conditions PC, mild

Well ID MW-1  
 Casing Diameter (inches) 2.0 Total Depth (feet) 22.7  
 Depth to Water 10.55 Depth to Free Product —  
 Water Column (ft) 12.15 Product Thickness ∅  
 One Well Volume (gal) 2.07 3x Well Volume (gal) 6.2

Notes:  
 One Well Volume is determined by multiplying "Water Column" by:  
 • 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method		X	12V

**FIELD PARAMETERS**

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1258							
1301	2	19.4	1.28	/	6.74	/	
1303	4	19.1	1.28	/	6.67	/	
1306	6	18.7	1.32	/	6.69	/	

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color		X			gray-brown
Odor		X			H <sub>2</sub> S
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1310 Sampler's Signature MAR

**Groundwater Monitoring Field Sheet**

Client Name \_\_\_\_\_ Project Name Maz Glass  
 Sampling Personnel MAR Date 9/13/2012  
 Weather Conditions PC, mild

Well ID MW-2  
 Casing Diameter (inches) 2.0 Total Depth (feet) 22.8  
 Depth to Water 10.64 Depth to Free Product —  
 Water Column (ft) 12.16 Product Thickness ∅  
 One Well Volume (gal) 2.1 3x Well Volume (gal) 6.2

Notes:  
 One Well Volume is determined by multiplying "Water Column" by:  
 • 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method		X	12V purge pump

**FIELD PARAMETERS**

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1236							
1238	2	19.1	1.12	/	6.64	/	
1241	4	18.9	1.15	/	6.59	/	
1244	6	18.6	1.16	/	6.57	/	

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color		X			gray-brown
Odor		X			H <sub>2</sub> S
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1245 Sampler's Signature MAR

**Groundwater Monitoring Field Sheet**

Client Name \_\_\_\_\_ Project Name Maz Glass  
 Sampling Personnel MAR Date 09/13/2012  
 Weather Conditions PC, mild

Well ID MW-3  
 Casing Diameter (inches) 2.0" Total Depth (feet) ~~22.8~~ 22.8  
 Depth to Water 10.20 Depth to Free Product —  
 Water Column (ft) 12.5 Product Thickness ∅  
 One Well Volume (gal) 2.1 3x Well Volume (gal) 6.4

Notes:  
 One Well Volume is determine by multiplying "Water Column" by:  
 • 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method		X	12V purge pump

**FIELD PARAMETERS**

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1217							
1220	2	19.8	1.31	/	6.70	/	
1222	4	19.8	1.31	/	6.64	/	
1225	6	19.1	1.34	/	6.61	/	
1226	7	18.9	1.27	/	6.61	/	

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color		X			grey brown
Odor		X			H <sub>2</sub> S
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1230 Sampler's Signature MAR

**Groundwater Monitoring Field Sheet**

Client Name \_\_\_\_\_ Project Name Maz Glass  
 Sampling Personnel MAR Date 9/13/2012  
 Weather Conditions PC, mild

Well ID MW-4  
 Casing Diameter (inches) 2" Total Depth (feet) 22.8  
 Depth to Water 8.80 Depth to Free Product —  
 Water Column (ft) 14.00 Product Thickness ∅  
 One Well Volume (gal) 2.38 3x Well Volume (gal) 7.1

Notes:  
 One Well Volume is determine by multiplying "Water Column" by:  
 • 0.059 for 3/4-inch well, 0.17 for 2-inch well, 0.38 for 3-inch well, 0.66 for 4-inch well, 1.50 for 6-inch well

**FIELD METHODS**

Activity	Bailer	Pump	Comments
Purge Method		X	12V purge pump
Sample Method		X	12V purge pump

**FIELD PARAMETERS**

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1156							
1158	2	18.8	1.05	/	6.58	/	
1201	4	19.3	1.09	/	6.65	/	
1203	6	18.7	1.08	/	6.59	/	
1204	7	18.5	1.08	/	6.58	/	

**SAMPLE OBSERVATIONS**

Characteristic	None	Slight	Moderate	Strong	Comments
Color		X			grey
Odor		X			H <sub>2</sub> S
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1205 Sampler's Signature MAR



**ATTACHMENT B**

**LABORATORY DATA REPORTS AND  
CHAIN-OF-CUSTODY RECORDS**



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

24 September 2012

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

Enclosed are the results of analyses for samples received by the laboratory on 09/15/12 09:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Hsiao For Daniel Chavez  
Project Manager



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

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 09/24/12 11:30
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**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T121623-01	Water	09/13/12 13:10	09/15/12 09:00
MW-2	T121623-02	Water	09/13/12 12:45	09/15/12 09:00
MW-3	T121623-03	Water	09/13/12 12:30	09/15/12 09:00
MW-4	T121623-04	Water	09/13/12 12:05	09/15/12 09:00

SunStar Laboratories, Inc.

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

Wendy Hsiao For Daniel Chavez, Project Manager



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

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 09/24/12 11:30
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**MW-1  
T121623-01 (Water)**

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>630</b>	5.0	ug/l	10	2091725	09/17/12	09/20/12	EPA 8260B	
<b>Toluene</b>	<b>10</b>	0.50	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>780</b>	5.0	"	10	"	"	"	"	
<b>m,p-Xylene</b>	<b>85</b>	1.0	"	1	"	"	"	"	
<b>o-Xylene</b>	<b>1.7</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>13000</b>	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	108 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	96.0 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	77.9 %	81.1-136	"	"	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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

*Wendy Hsiao*

Wendy Hsiao For Daniel Chavez, Project Manager



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

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: Maz Glass Project Number: [none] Project Manager: Jim Gribi	Reported: 09/24/12 11:30
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**MW-2  
T121623-02 (Water)**

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>990</b>	12	ug/l	25	2091725	09/17/12	09/20/12	EPA 8260B	
<b>Toluene</b>	<b>27</b>	0.50	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>460</b>	12	"	25	"	"	"	"	
<b>m,p-Xylene</b>	<b>41</b>	1.0	"	1	"	"	"	"	
<b>o-Xylene</b>	<b>1.9</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>11000</b>	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	101 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	91.0 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	89.6 %	81.1-136	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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*Wendy Hsiao*

Wendy Hsiao For Daniel Chavez, Project Manager



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

Gribi Associates Project: Maz Glass  
 1090 Adam Street, Suite K Project Number: [none] Reported:  
 Benicia CA, 94510 Project Manager: Jim Gribi 09/24/12 11:30

**MW-3  
 T121623-03 (Water)**

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1800</b>	12	ug/l	25	2091725	09/17/12	09/20/12	EPA 8260B	
<b>Toluene</b>	<b>25</b>	0.50	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>680</b>	12	"	25	"	"	"	"	
<b>m,p-Xylene</b>	<b>560</b>	25	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>5.5</b>	0.50	"	1	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>12000</b>	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	107 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	95.9 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	80.1 %	81.1-136	"	"	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Wendy Hsiao For Daniel Chavez, Project Manager



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

Gribi Associates Project: Maz Glass  
 1090 Adam Street, Suite K Project Number: [none] Reported:  
 Benicia CA, 94510 Project Manager: Jim Gribi 09/24/12 11:30

**MW-4  
 T121623-04 (Water)**

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>110</b>	0.50	ug/l	1	2091725	09/17/12	09/20/12	EPA 8260B	
<b>Toluene</b>	<b>24</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>270</b>	5.0	"	10	"	"	"	"	
<b>m,p-Xylene</b>	<b>170</b>	10	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>8.1</b>	0.50	"	1	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>10000</b>	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	108 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	85.0 %	81.1-136	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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

Wendy Hsiao For Daniel Chavez, Project Manager



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949.297.5027 Fax

Gribi Associates Project: Maz Glass  
1090 Adam Street, Suite K Project Number: [none] Reported:  
Benicia CA, 94510 Project Manager: Jim Gribi 09/24/12 11:30

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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**Batch 2091725 - EPA 5030 GCMS**

**Blank (2091725-BLK1)** Prepared: 09/17/12 Analyzed: 09/20/12

Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: Toluene-d8	8.20		"	8.00	102	88.8-117				
Surrogate: 4-Bromofluorobenzene	8.92		"	8.00	112	83.5-119				
Surrogate: Dibromofluoromethane	6.84		"	8.00	85.5	81.1-136				

**LCS (2091725-BS1)** Prepared: 09/17/12 Analyzed: 09/20/12

Chlorobenzene	22.4	1.0	ug/l	20.0	112	75-125				
1,1-Dichloroethene	19.7	1.0	"	20.0	98.4	75-125				
Trichloroethene	20.0	1.0	"	20.0	100	75-125				
Benzene	18.8	0.50	"	20.0	93.8	75-125				
Toluene	21.1	0.50	"	20.0	105	75-125				
Surrogate: Toluene-d8	8.68		"	8.00	108	88.8-117				
Surrogate: 4-Bromofluorobenzene	8.58		"	8.00	107	83.5-119				
Surrogate: Dibromofluoromethane	5.24		"	8.00	65.5	81.1-136				S-GC

**Matrix Spike (2091725-MS1)** Source: T121623-03 Prepared: 09/17/12 Analyzed: 09/20/12

Chlorobenzene	19.5	1.0	ug/l	20.0	ND	97.4	75-125			
1,1-Dichloroethene	12.1	1.0	"	20.0	ND	60.6	75-125			QM-07
Trichloroethene	21.0	1.0	"	20.0	ND	105	75-125			
Benzene	700	0.50	"	20.0	1820	NR	75-125			QM-07
Toluene	43.5	0.50	"	20.0	24.6	94.4	75-125			
Surrogate: Toluene-d8	8.59		"	8.00	107	88.8-117				
Surrogate: 4-Bromofluorobenzene	8.14		"	8.00	102	83.5-119				
Surrogate: Dibromofluoromethane	6.30		"	8.00	78.8	81.1-136				S-GC

SunStar Laboratories, Inc.

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

*Wendy Hsiao*

Wendy Hsiao For Daniel Chavez, Project Manager



25712 Commercentre Drive  
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949.297.5020 Phone  
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Gribi Associates Project: Maz Glass  
1090 Adam Street, Suite K Project Number: [none] Reported:  
Benicia CA, 94510 Project Manager: Jim Gribi 09/24/12 11:30

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Notes
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**Batch 2091725 - EPA 5030 GCMS**

**Matrix Spike Dup (2091725-MSD1)** Source: T121623-03 Prepared: 09/17/12 Analyzed: 09/20/12

Chlorobenzene	19.4	1.0	ug/l	20.0	ND	96.8	75-125	0.567	20	
1,1-Dichloroethene	13.9	1.0	"	20.0	ND	69.4	75-125	13.5	20	QM-07
Trichloroethene	20.2	1.0	"	20.0	ND	101	75-125	3.60	20	
Benzene	755	0.50	"	20.0	1820	NR	75-125	7.58	20	QM-07
Toluene	44.9	0.50	"	20.0	24.6	101	75-125	3.21	20	
Surrogate: Toluene-d8	9.35		"	8.00	117	88.8-117				
Surrogate: 4-Bromofluorobenzene	8.02		"	8.00	100	83.5-119				
Surrogate: Dibromofluoromethane	6.51		"	8.00	81.4	81.1-136				

SunStar Laboratories, Inc.

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*Wendy Hsiao*

Wendy Hsiao For Daniel Chavez, Project Manager





### SAMPLE RECEIVING REVIEW SHEET

BATCH # T121623

Client Name: Gabi Project: Marz Glass

Received by: Don M Date/Time Received: 9/15/12 9:00

Delivered by:  Client  SunStar Courier  GSO  FedEx  Other \_\_\_\_\_

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

Temperature: cooler #1 3.8 °C +/- the CF (-0.2°C) = 3.6 °C corrected temperature

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

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

Samples outside temp. but received on ice, w/in 6 hours of final sampling.  Yes  No\*  N/A

Custody Seals Intact on Cooler/Sample  Yes  No\*  N/A

Sample Containers Intact  Yes  No\*

Sample labels match COC ID's  Yes  No\*

Total number of containers received match COC  Yes  No\*

Proper containers received for analyses requested on COC  Yes  No\*

Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times.  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date DM 9/15/12

Comments:

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