RECEIVED
By Alameda County Environmental Health at 3:48 pm, Nov 13, 2013

November 8, 2013

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

Attention: Mark Detterman

Subject: Second Quarter 2013 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 2013 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

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

November 8, 2013

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

Attention: Mark Detterman

Subject: Third Quarter 2013 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 2013 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 26, 2013.

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 26, 2013.
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 9.76 feet (MW-4) to 13.32 feet (MW-2).
2. Groundwater elevations ranged from 27.95 feet above means sea level (msl) (MW-2) to 28.72 feet msl (MW-4).
3. Groundwater potentiometric gradient during this monitoring event was to the east at an approximate gradient of 0.1 feet/feet.
4. Groundwater elevations and contours are shown on Figure 3.

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)
    d. USEPA 8260B Naphthalene
    e. USEPA E218.6 Hexavalent Chromium
    f. USEPA E 300.1 Bromate
2. Groundwater analytical results are summarized in Table 1 and on Figure 4.
3. Groundwater hydrocarbon trends for selected wells are provided as Attachment B.
4. The laboratory analytical data report and chain-of custody are provided as Attachment C.

SITE REMEDIAL ACTIVITIES

1. Gribi Associates installed an ozone remediation system at the site during the week of September 2, 2013.
2. The ozone system was started on September 9, 2013.
    a. The system has operated continuously until the mid-October 2013.
    b. The system required repairs and was re-started on November 7, 2013.

CONCLUSIONS

1. The ozone remediation system operated for approximately 17 days prior to conducting the Third Quarter 2013 groundwater monitoring event.
2. Although the ozone system had only operated for approximately two weeks, groundwater analytical results showed significant hydrocarbon reductions in groundwater concentrations at both MW-2 and MW-3 relative to the previous monitoring event.
    a. At MW-2, TPH-G concentrations declined from 12,000 to 930 ug/L and benzene concentrations declined from 870 to 39 ug/L.

b. At MW-3, TPH-G concentrations declined from 12,000 to 5,500 ug/L and benzene concentrations declined from 1,400 to 190 ug/L.
c. Toluene, ethylbenzene, and xylenes also showed reduction from previous events in wells MW-2 and MW-3.
d. The benzene concentration in MW-1 also decreased during this monitoring event relative to previous monitoring events.

3. Groundwater samples from the four wells showed low levels of naphthalene, ranging from 13 to 120 ug/L.
4. Groundwater samples from the four wells showed levels of hexavalent chromium below laboratory detection levels in three of the four wells.
   a. MW-2 showed a hexavalent chromium concentration of 1.1 ug/L.
5. Groundwater samples from the four wells showed low levels of bromate, ranging from 0.056 to 0.096 ug/L.

PLANNED ACTIVITIES

1. Gribi Associates plans to conduct a quarterly groundwater monitoring and sampling event during the fourth quarter of 2013.
2. Gribi Associates will continue to operate the ozone remediation system at the site.

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

TABLE

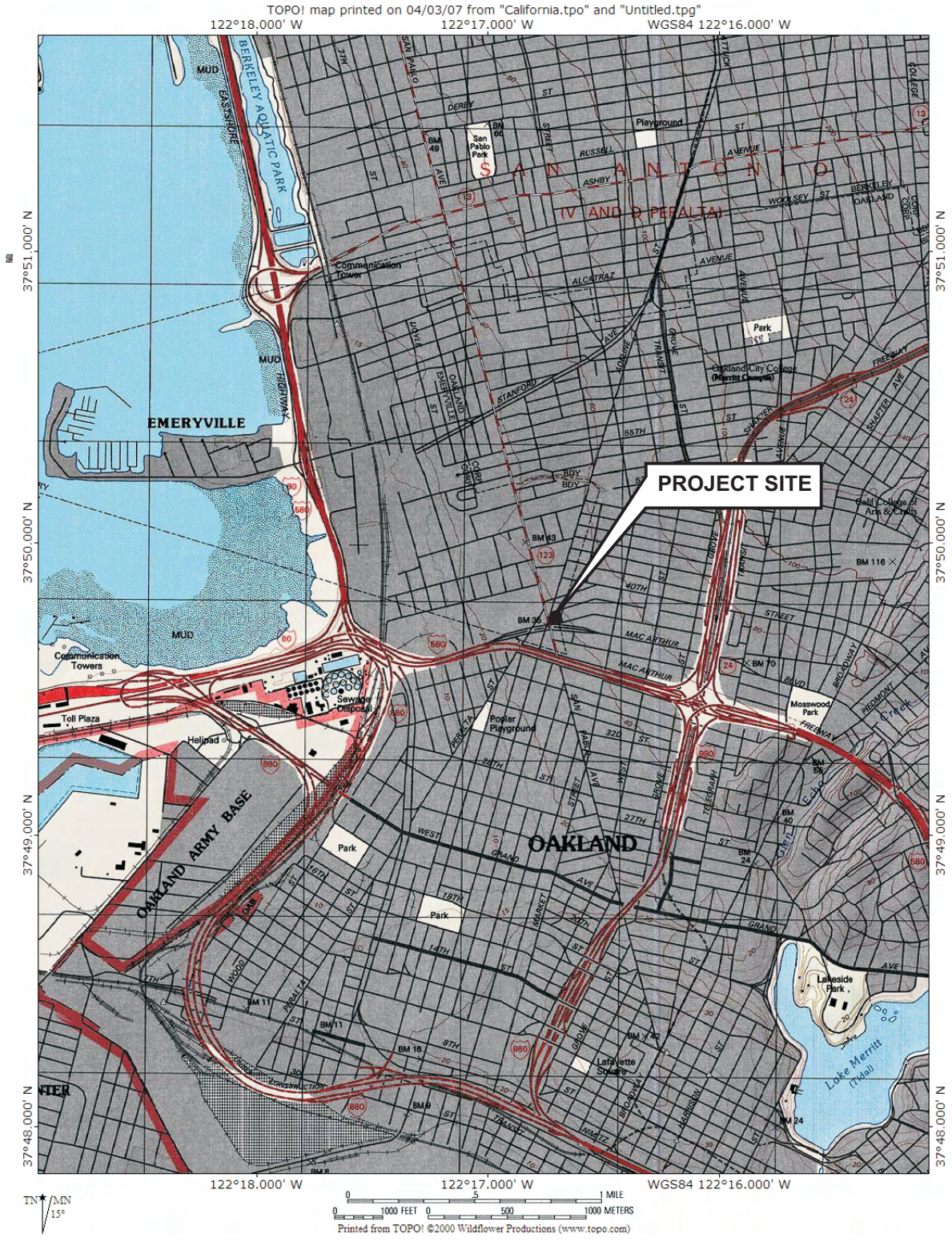
Table 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	*Sample Date*	*GW Depth*	*GW Elev.*	*Concentration, micrograms per liter (ug/l)*							
				TPH-G	*B*	*T*	*E*	*X*	*OXY*	*Cr6 / Br*	*Other*
MW-1	05/18/12	8.42	30.54	**17,000**	**1,300**	**29**	**770**	**260**	All ND	--	--
<38.96>	09/13/12	10.55	28.41	**13,000**	**630**	**10**	**780**	**86.7**	All ND	--	--
	11/09/12	9.72	29.24	**15,000**	**1,200**	**21**	**1,100**	**283**	All ND	--	--
	02/20/13	8.34	30.62	**9,800**	**970**	**15**	**860**	**171.5**	All ND	--	**Naph = 75**
	06/04/13	9.39	29.57	**8,600**	**880**	**15**	**770**	**121.2**	All ND	--	**Naph = 74**
	09/26/13	10.38	28.58	**16,000**	**220**	**8.9**	**610**	**152.4**	All ND	<0.20 / **0.091**	**Naph = 120**
MW-2	05/18/12	8.78	30.18	**10,000**	**610**	**26**	**340**	**69**	All ND	--	--
<38.96>	09/13/12	10.64	28.32	**11,000**	**990**	**27**	**460**	**42.9**	All ND	--	--
	11/09/12	9.57	29.39	**17,000**	**750**	**19**	**280**	**64.9**	All ND	--	--
	02/20/13	8.86	30.10	**8,200**	**860**	**29**	**410**	**70**	All ND	--	**Naph = 29**
	06/04/13	9.86	29.10	**12,000**	**870**	**23**	**410**	**43.8**	All ND	--	**Naph = 46**
	09/26/13	13.32	25.64	**930**	**39**	**5.6**	**26**	**20**	All ND	**1.1** / **0.090**	**Naph = 13**
MW-3	05/18/12	8.61	30.23	**13,000**	**1,400**	**36**	**350**	**378**	All ND	--	--
<38.84>	09/13/12	10.30	28.54	**12,000**	**1,800**	**25**	**680**	**565.5**	All ND	--	--
	11/09/12	9.25	29.59	**17,000**	**2,000**	**32**	**540**	**318.6**	All ND	--	--
	02/20/13	8.80	30.04	**12,000**	**1,400**	**15**	**330**	**43.9**	All ND	--	**Naph = 8.4**
	06/04/13	9.49	29.35	**12,000**	**1,400**	**11**	**89**	**32.4**	All ND	--	**Naph = 13**
	09/26/13	10.89	27.95	**5,500**	**190**	**2.8**	**42**	**27**	All ND	<0.20 / **0.096**	**Naph = 18**
MW-4	05/18/12	8.28	30.20	**10,000**	**82**	**32**	**330**	**278**	All ND	--	--
<38.48>	09/13/12	8.80	29.68	**10,000**	**110**	**24**	**270**	**178.1**	All ND	--	--
	11/09/12	8.06	30.42	**11,000**	**110**	**13**	**170**	**124.4**	All ND	--	--
	02/20/13	8.16	30.32	**4,500**	**100**	**9.5**	**190**	**65.3**	All ND	--	**Naph = 7.1**
	06/04/13	8.73	29.75	**6,300**	**72**	**6.2**	**61**	**48.4**	All ND	--	**Naph = 12**
	09/26/13	9.76	28.72	**12,000**	**48**	**3.7**	**70**	**18.2**	All ND	<0.20 / **0.056**	**Naph = 13**

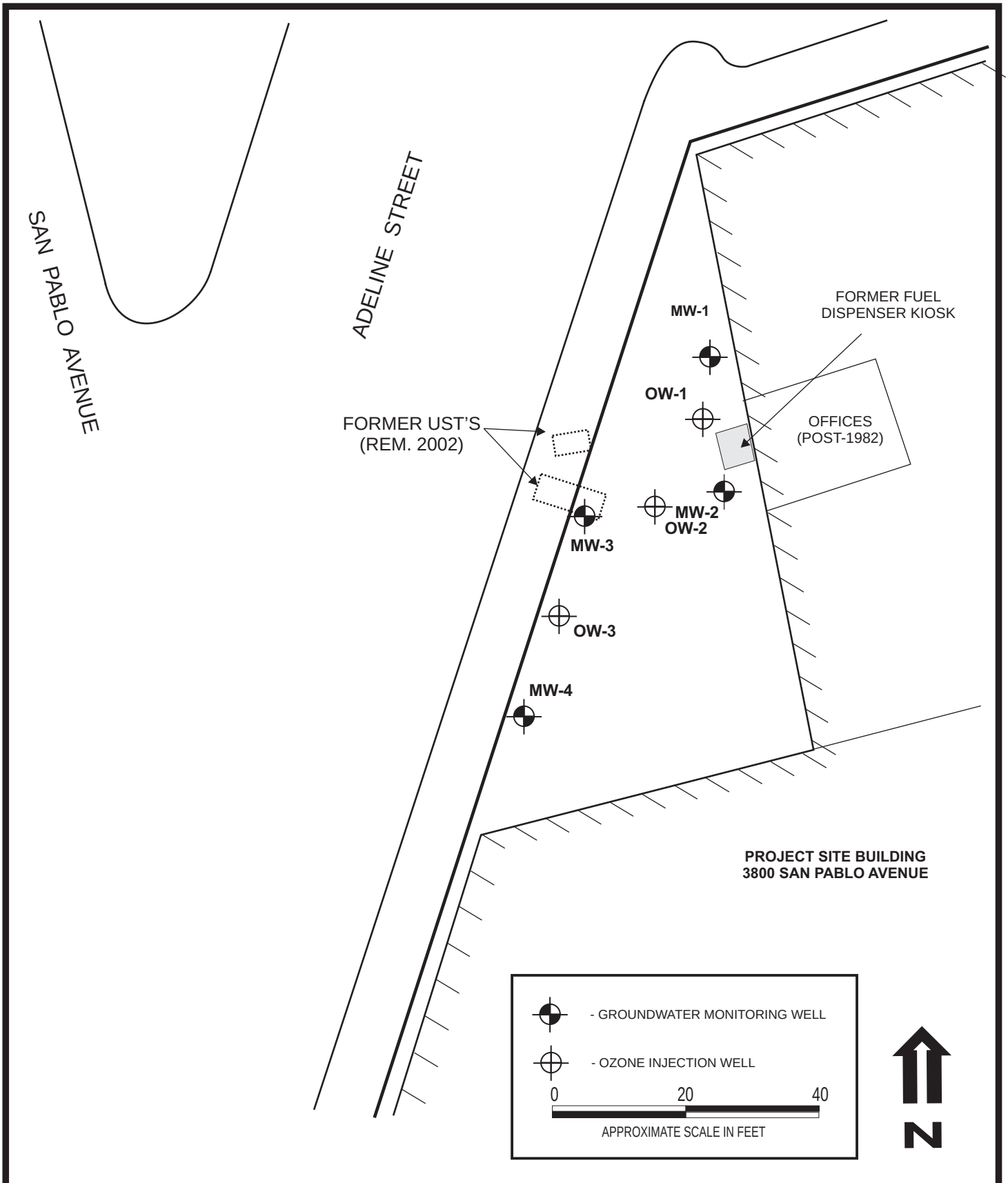
TABLE NOTES

GW Elev = Groundwater mean sea level elevation
TPH-G = Total Petroleum Hydrocarbons as gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
OXY = Oxygenates, including MTBE = Methyl-t-Butyl Ether, ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME).
Other = Lead scavengers 12-EDB and 1,2-DCA, and SVOCs.
<38.96> = Top of casing mean sea level elevation (Virgil Chavez Land Survey).
<0.50 = Not detected above the expressed value.
Hex Chrome = Hexavalent Chromium
Naph = Naphthalene.

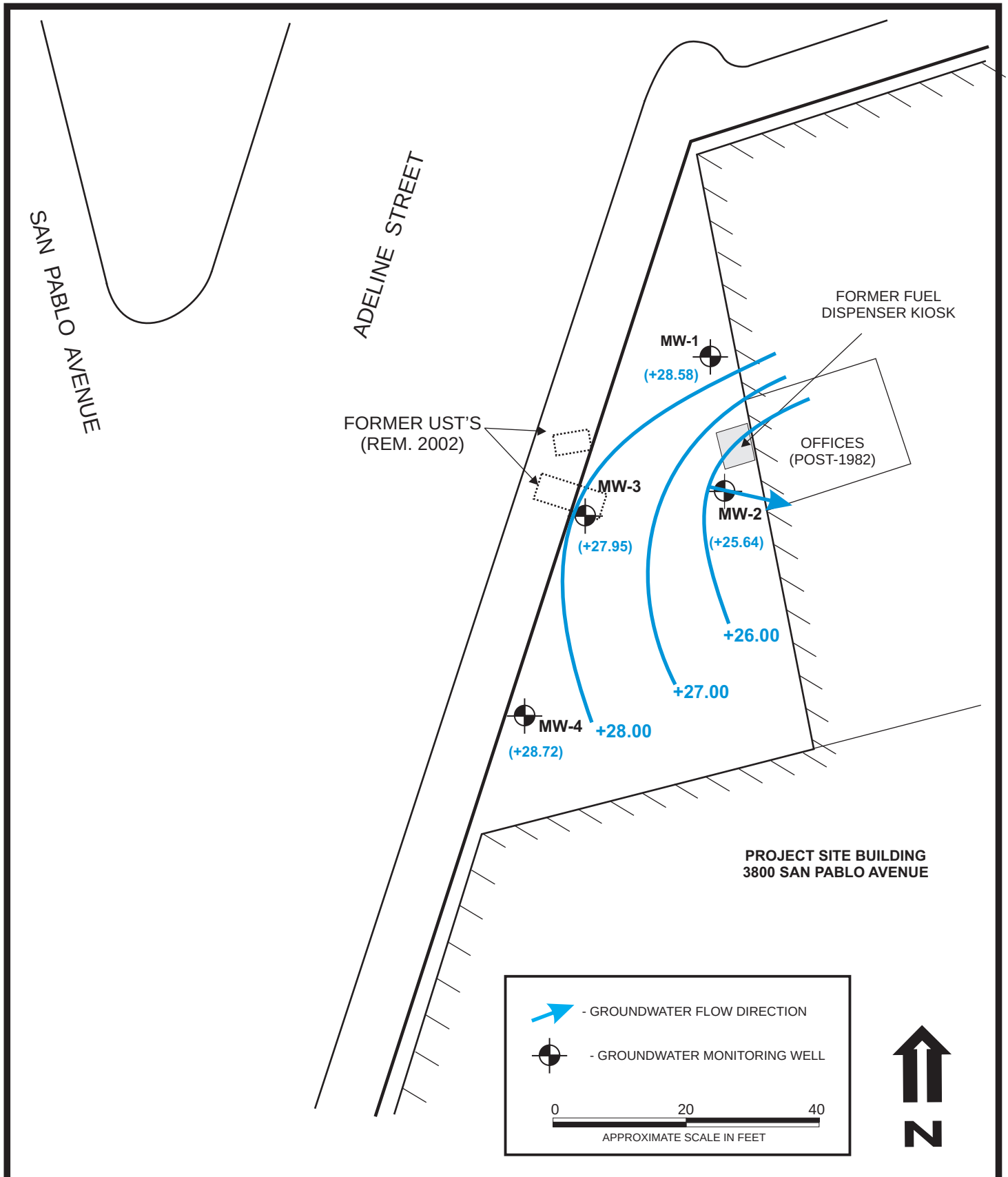
FIGURES



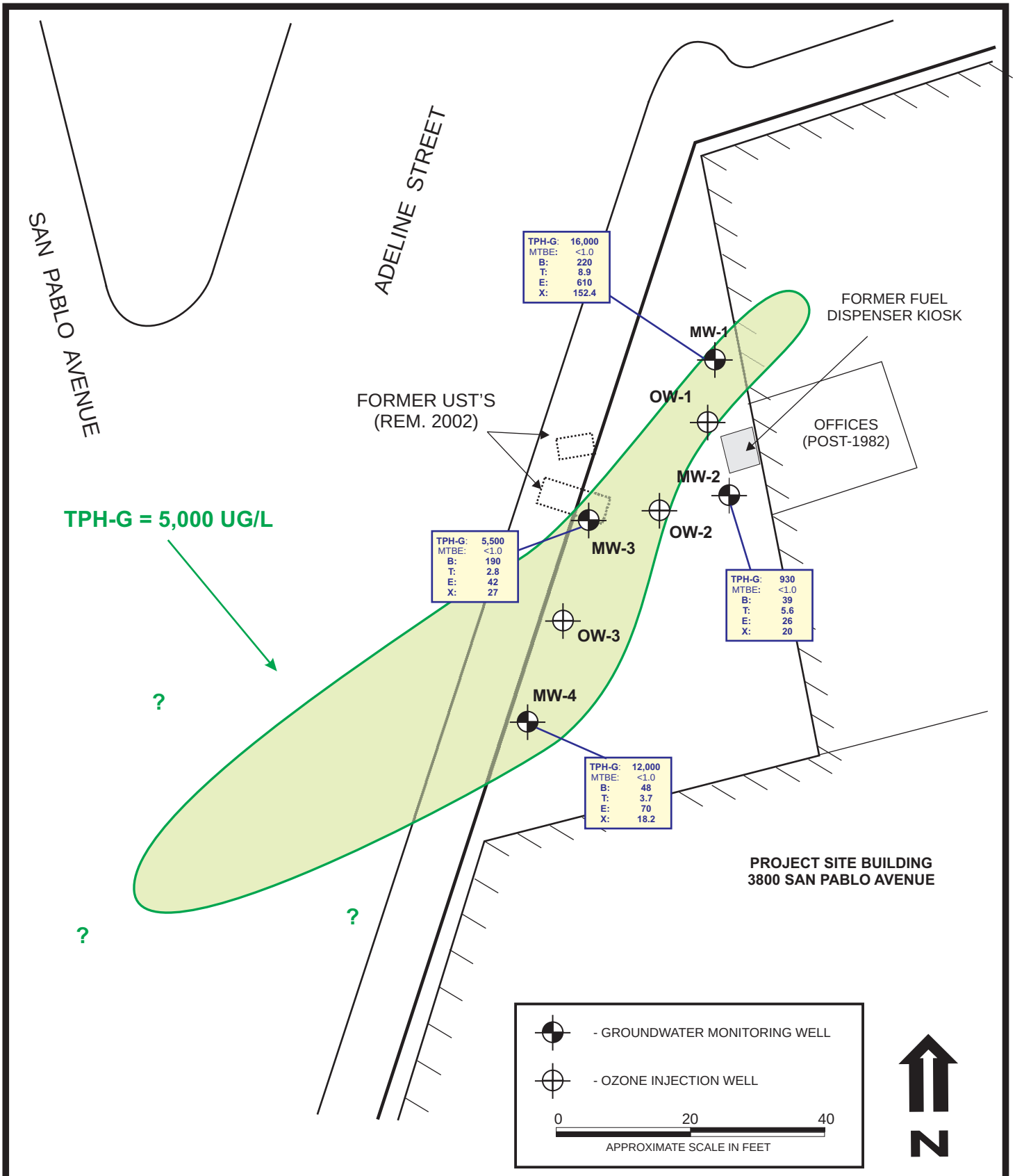
DESIGNED BY:	CHECKED BY: JG	**SITE VICINITY MAP**	DATE: 11/08/2013	FIGURE: 1
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 11/08/2013	FIGURE: **2**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER ELEVATION GRADIENT - 09/26/2013**	DATE: 11/08/2013	FIGURE: **3**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER HYDROCARBON CONCENTRATIONS - 09/26/2013**	DATE: 11/08/2013	FIGURE: **4**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		

ATTACHMENT A

GROUNDWATER MONITORING
FIELD DATA RECORDS

Groundwater Gauging Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Field Personnel: M. Rasmussen
Date: 9/26/2013
Weather Conditions: clear, mild

Well ID	Depth to Free Product (feet)	Depth to Groundwater (feet)	Casing Elevation (msl)	Groundwater Elevation (msl)	Total Well Depth (feet)	Well Box Conditions
MW-1	—	10.38	38.96	28.58	22.7	
MW-2	—	13.32	38.96	25.64	22.8	
MW-3	—	10.89	38.84	27.95	22.8	
MW-4	—	9.76	38.48	28.72	22.8	

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: M. Rasmussen
Date: 9/26/2013
Weather Conditions: clear, mild

Well ID: MW-1
Casing Diameter (inches): 2.0
Total Depth (feet): 22.7
Depth to Water: 10.38
Depth to Free Product: —
Water Column (ft): 12.32
Product Thickness: 0
One Well Volume (gal): 2.09
3x Well Volume (gal): 6.3

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 pump purge
Sample Method		X	12V pump purge

FIELD PARAMETERS

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1432							
1434	2	17.4	1.16		7.20		
1437	4	17.6	1.17		7.10		
1438	6	17.2	1.15		7.16		

SAMPLE OBSERVATIONS

Characteristic	None	Slight	Moderate	Strong	Comments
Color		X			gray
Odor		X			HC
Turbidity		X			
Sheen	X				
Other:					

Sample Time: 1440
Sampler's Signature: [signature]

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 9/26/2013
Weather Conditions: Clear, mild

Well ID: MW-2
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 13.32
Depth to Free Product: —
Water Column (ft): 9.48
Product Thickness: ϕ
One Well Volume (gal): 1.61
3x Well Volume (gal): 4.8

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*
1408							
1412	2	17.1	1.13		7.92		
1413	3	17.2	1.13		7.91		
1414	4	17.1	1.13		7.90		
1416	5	16.9	1.14		7.92		

SAMPLE OBSERVATIONS

Characteristic	*None*	*Slight*	*Moderate*	*Strong*	*Comments*
Color		X			brown
Odor		X			HC
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1420 **Sampler's Signature** MAR

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 9/26/2013
Weather Conditions: Clear, cool-mild

Well ID: MW-3
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 10.89
Depth to Free Product: —
Water Column (ft): 11.91
Product Thickness: ϕ
One Well Volume (gal): 2.02
3x Well Volume (gal): 6.1

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*
1334							
1336	2	18.1	1.20		7.28		
1338	4	17.6	1.26		7.02		
1340	6	17.0	1.31		6.78		

SAMPLE OBSERVATIONS

Characteristic	*None*	*Slight*	*Moderate*	*Strong*	*Comments*
Color		X			brown
Odor		X			HC
Turbidity		X			
Sheen	X				
Other:					

Sample Time 1340 **Sampler's Signature** MAR

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 9/26/2013
Weather Conditions: Clear, Cool-mild

Well ID: MW-4
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 9.76
Depth to Free Product: —
Water Column (ft): 13.04
Product Thickness: 0
One Well Volume (gal): 2.22
3x Well Volume (gal): 6.7

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*
1308							
1310	2	17.3	1.16		6.68		
1312	4	16.9	1.19		6.62		
1315	6	16.6	1.19		6.63		
1316	7	16.6	1.19		6.62		

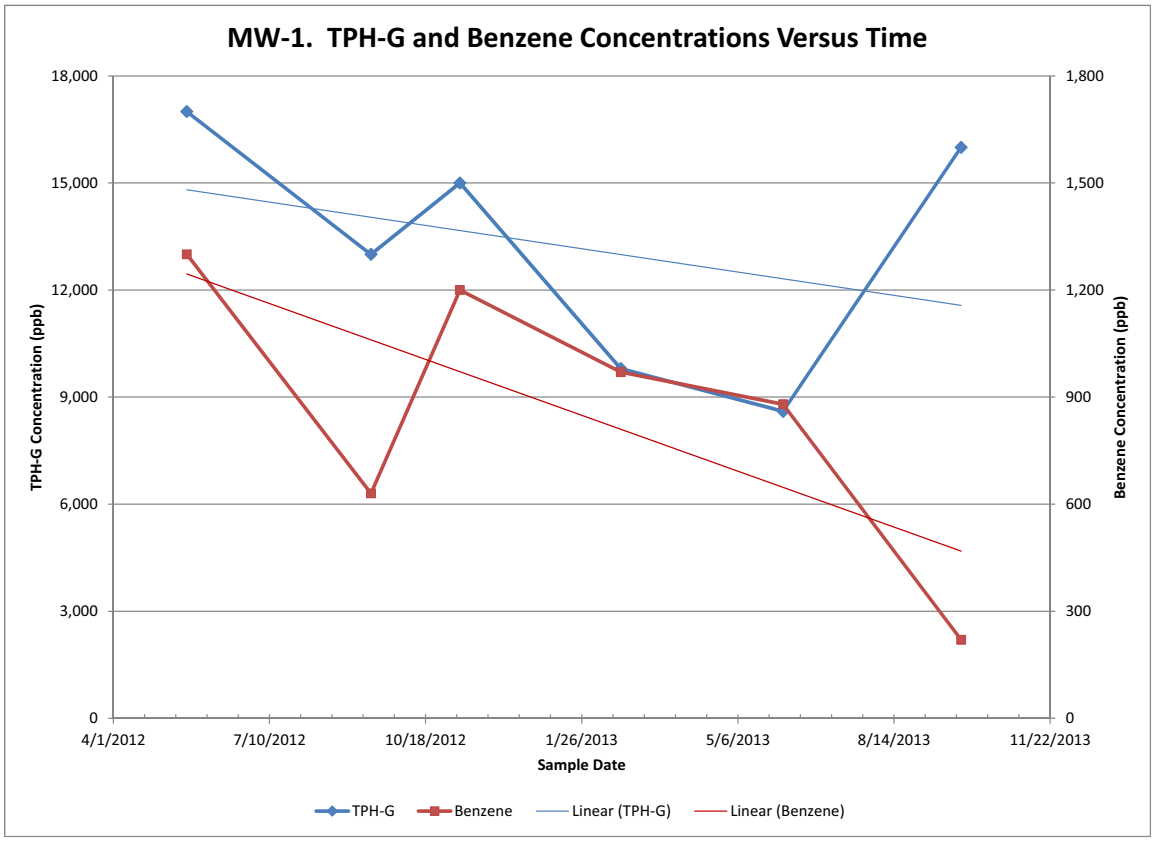
SAMPLE OBSERVATIONS

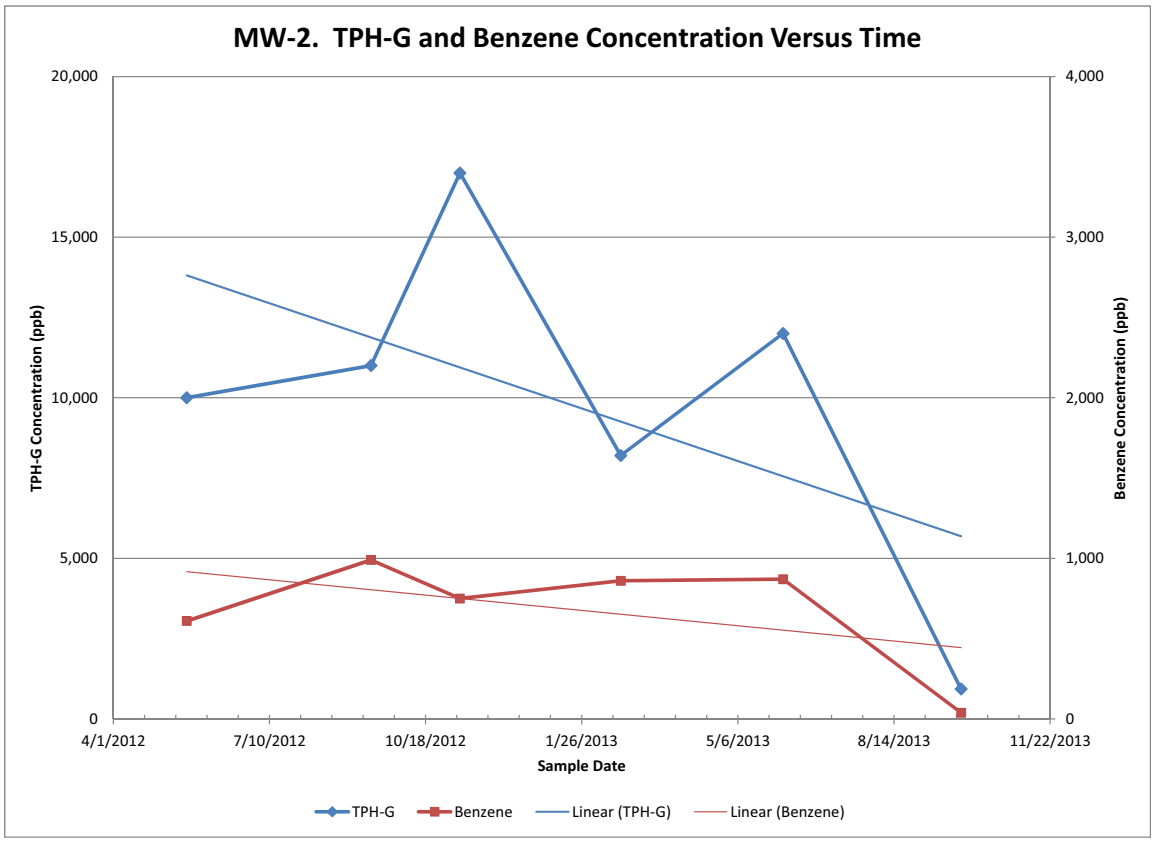
Characteristic	*None*	*Slight*	*Moderate*	*Strong*	*Comments*
Color		X			grey
Odor		X			fuel
Turbidity		X			
Sheen	X				
Other:					

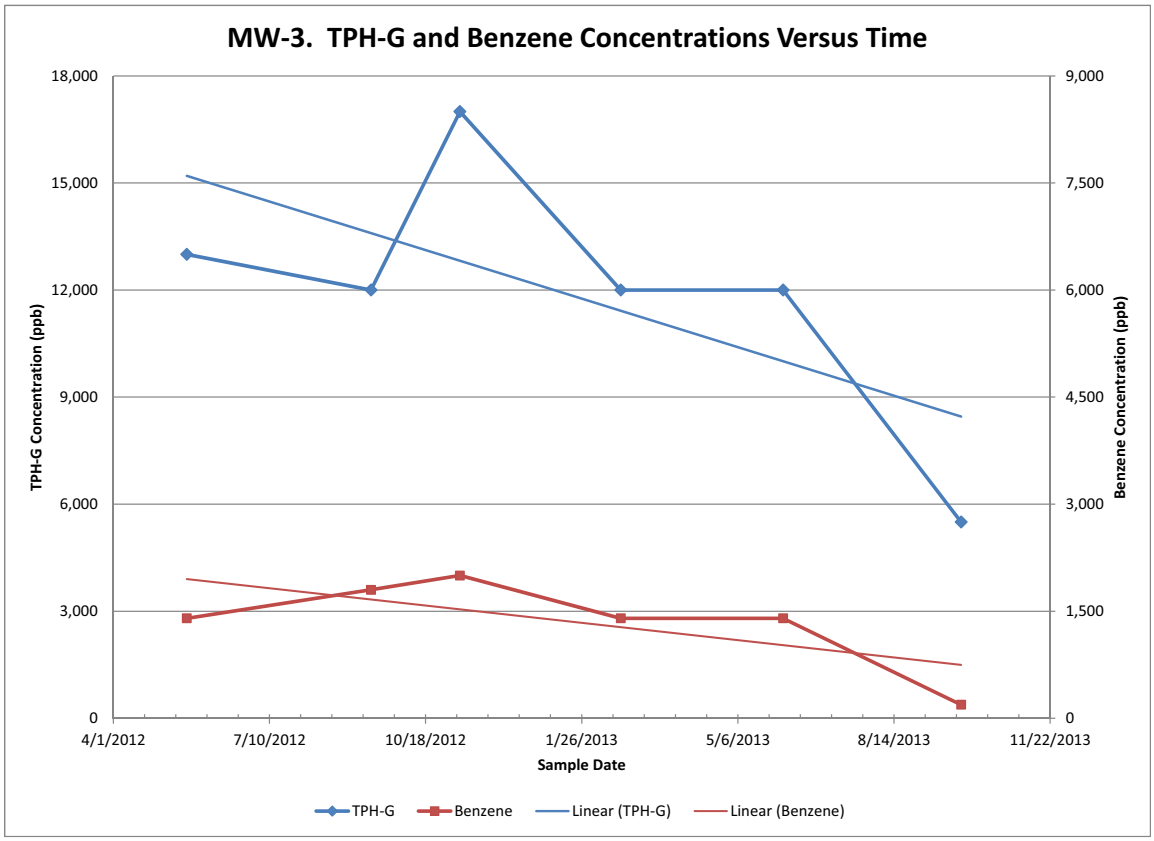
Sample Time: 1320
Sampler's Signature: MAR

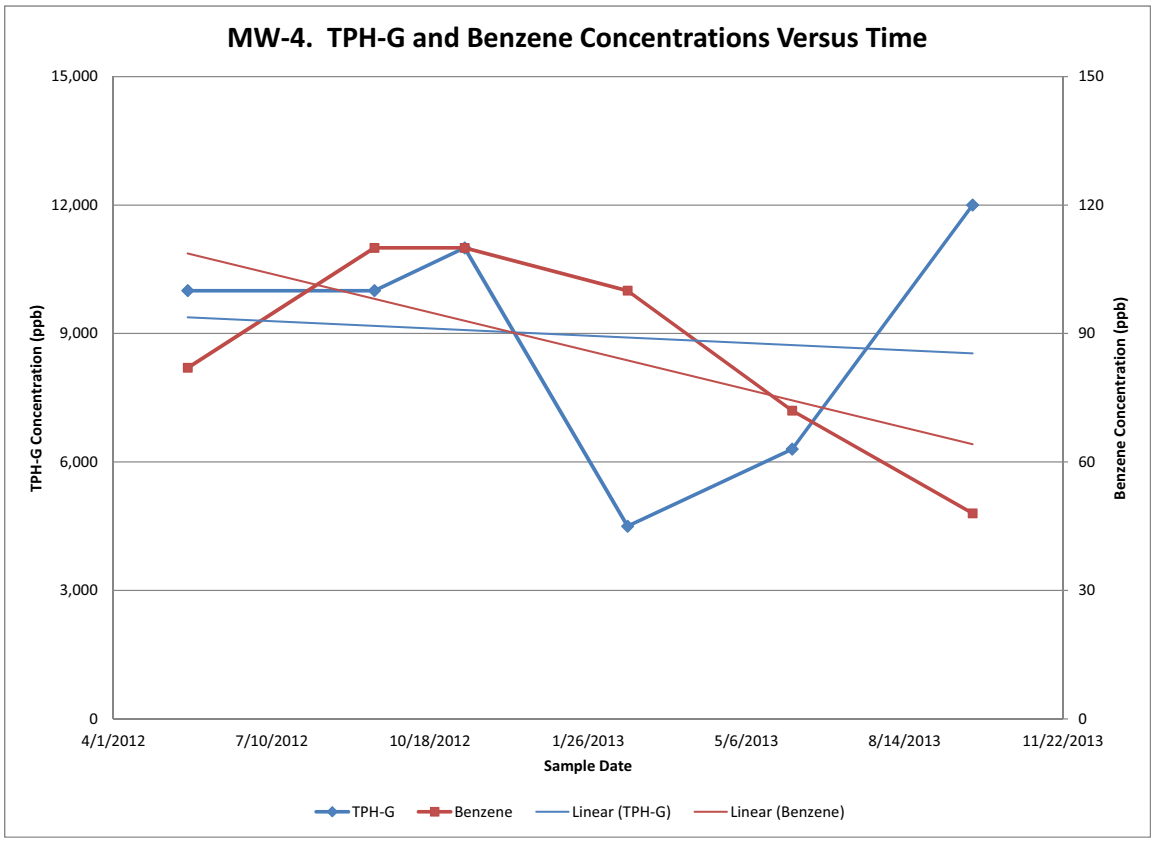
ATTACHMENT B

GROUNDWATER HYDROCARBON TRENDS


MW-1. TPH-G and Benzene Concentrations Versus Time
18,000
15,000
12,000
9,000
6,000
3,000
0
1,800
1,500
1,200
900
600
300
0
TPH-G Concentration (ppb)
Benzene Concentration (ppb)
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
Sample Date
TPH-G
Benzene
Linear (TPH-G)
Linear (Benzene)


MW-2. TPH-G and Benzene Concentration Versus Time
20,000
15,000
10,000
5,000
0
4,000
3,000
2,000
1,000
0
TPH-G Concentration (ppb)
Benzene Concentration (ppb)
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
Sample Date
TPH-G
Benzene
Linear (TPH-G)
Linear (Benzene)


MW-3. TPH-G and Benzene Concentrations Versus Time
18,000
15,000
12,000
9,000
6,000
3,000
0
TPH-G Concentration (ppb)
9,000
7,500
6,000
4,500
3,000
1,500
0
Benzene Concentration (ppb)
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
Sample Date
TPH-G
Benzene
Linear (TPH-G)
Linear (Benzene)


MW-4. TPH-G and Benzene Concentrations Versus Time
15,000
12,000
9,000
6,000
3,000
0
TPH-G Concentration (ppb)
150
120
90
60
30
0
Benzene Concentration (ppb)
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
Sample Date
TPH-G
Benzene
Linear (TPH-G)
Linear (Benzene)

ATTACHMENT C

LABORATORY DATA REPORTS AND CHAIN-OF-CUSTODY RECORDS

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

07 October 2013

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

RE: Maz Glass

Enclosed are the results of analyses for samples received by the laboratory on 09/28/13 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T132079-01	Water	09/26/13 14:40	09/28/13 10:15
MW-2	T132079-02	Water	09/26/13 14:20	09/28/13 10:15
MW-3	T132079-03	Water	09/26/13 13:40	09/28/13 10:15
MW-4	T132079-04	Water	09/26/13 13:20	09/28/13 10:15

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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.

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

MW-1
T132079-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**120**	1.0	ug/l	1	3093022	09/30/13	10/03/13	EPA 8260B	
Benzene	**220**	5.0	"	10	"	"	"	"	
Toluene	**8.9**	0.50	"	1	"	"	"	"	
Ethylbenzene	**610**	5.0	"	10	"	"	"	"	
m,p-Xylene	**150**	1.0	"	1	"	"	"	"	
o-Xylene	**2.4**	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)	**16000**	500	"	10	"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*90.1 %*	*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.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

MW-2
T132079-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**13**	1.0	ug/l	1	3093022	09/30/13	10/03/13	EPA 8260B	
Benzene	**39**	0.50	"	"	"	"	"	"	
Toluene	**5.6**	0.50	"	"	"	"	"	"	
Ethylbenzene	**26**	0.50	"	"	"	"	"	"	
m,p-Xylene	**18**	1.0	"	"	"	"	"	"	
o-Xylene	**2.0**	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)	**930**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95.9 %*	*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.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

MW-3
T132079-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**18**	1.0	ug/l	1	3093022	09/30/13	10/03/13	EPA 8260B	
Benzene	**190**	2.5	"	5	"	"	"	"	
Toluene	**2.8**	0.50	"	1	"	"	"	"	
Ethylbenzene	**42**	0.50	"	"	"	"	"	"	
m,p-Xylene	**26**	1.0	"	"	"	"	"	"	
o-Xylene	**1.0**	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)	**5500**	250	"	5	"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.1 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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.

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

MW-4
T132079-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**13**	1.0	ug/l	1	3093022	09/30/13	10/03/13	EPA 8260B	
Benzene	**48**	0.50	"	"	"	"	"	"	
Toluene	**3.7**	0.50	"	"	"	"	"	"	
Ethylbenzene	**70**	0.50	"	"	"	"	"	"	
m,p-Xylene	**17**	1.0	"	"	"	"	"	"	
o-Xylene	**1.2**	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)	**12000**	50	"	"	"	"	"	"	E
Surrogate: Toluene-d8		*98.9 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*95.0 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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.

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3093022 - EPA 5030 GCMS										
Blank (3093022-BLK1)				Prepared: 09/30/13 Analyzed: 10/03/13						
Naphthalene	ND	1.0	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: Toluene-d8	*7.79*		"	*8.00*		*97.4*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*7.85*		"	*8.00*		*98.1*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.39*		"	*8.00*		*105*	*81.1-136*			
LCS (3093022-BS1)				Prepared: 09/30/13 Analyzed: 10/03/13						
Benzene	19.6	0.50	ug/l	20.0		98.2	75-125			
Toluene	18.7	0.50	"	20.0		93.4	75-125			
Surrogate: Toluene-d8	*7.89*		"	*8.00*		*98.6*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.19*		"	*8.00*		*102*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.35*		"	*8.00*		*104*	*81.1-136*			
Matrix Spike (3093022-MS1)	**Source: T132079-01**			Prepared: 09/30/13 Analyzed: 10/03/13						
Benzene	233	0.50	ug/l	20.0	225	40.5	75-125			QM-4X
Toluene	27.6	0.50	"	20.0	8.93	93.4	75-125			
Surrogate: Toluene-d8	*7.84*		"	*8.00*		*98.0*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*7.82*		"	*8.00*		*97.8*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.82*		"	*8.00*		*97.8*	*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.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3093022 - EPA 5030 GCMS										
Matrix Spike Dup (3093022-MSD1)	**Source: T132079-01**			Prepared: 09/30/13 Analyzed: 10/03/13						
Benzene	217	0.50	ug/l	20.0	225	NR	75-125	7.20	20	QM-4X
Toluene	27.4	0.50	"	20.0	8.93	92.4	75-125	0.691	20	
Surrogate: Toluene-d8	*7.78*		"	*8.00*		*97.2*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.32*		"	*8.00*		*104*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.78*		"	*8.00*		*97.2*	*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.

Daniel Chavez, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	10/07/13 17:08

Notes and Definitions

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
E	The concentration indicated for this analyte is above the calibration range of the instrument. This value should be considered as an estimate as the actual value may be higher.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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.

T132079

SUNSTAR LABORATORIES

25712 COMMERCENTRE DRIVE
LAKE FOREST, CA 92630
Website: www.SUNSTARLABS.com Email: john@sunstarlabs.com
Telephone: (949) 297-5020 Fax: (949) 297-5027

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ■ 5 DAY
■ GeoTracker EDF ☐ PDF ☐ Excel ☐ Write On (DW)

Report To: James Gribi — Bill To:
Company: Gribi Associates
1090 Adams Street, Suite K
Benicia, CA 94510
Tele: (707) 748-7743 — E-Mail: — Fax: (707) 748-7763
Client Name: San Pablo Avenue Ventures — Global ID: T0601788682
Project Name: Maz Glass
Sampler Signature:

	SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO_3	Other
01	MW-1		9/26	1440	4	voa	X					X	X		
02	MW-2		9/26	1420	4	voa	X					X	X		
03	MW-3		9/26	1340	4	voa	X					X	X		
04	MW-4		9/26	1320	4	voa	X					X	X		

Analysis Request

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

Filter Samples for Metals analysis: Yes / No

Relinquished By: — Date: 9/27/13 — Time: 0800 — Received By:
Relinquished By: — Date: 9/27/13 — Time: 1015 — Received By:
Relinquished By: — Date: 9/27/13 — Time: — Received By:

ICE/t° 5.8°
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION VOAS O&G METALS OTHER pH<2

COMMENTS: STD. TAT

9/28/13

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

SAMPLE RECEIVING REVIEW SHEET

BATCH # T132079

Client Name: Gribi Associates Project: Maz Glass

Received by: Dan M. Date/Time Received: 9/28/13 1015

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

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

Temperature: cooler #1 5.2 °C +/- the CF (- 0.2°C) = 5.0 °C corrected temperature

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

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

Samples outside temp. but received on ice, w/in 6 hours of final sampling.	☒Yes	☐No*	☐N/A
Custody Seals Intact on Cooler/Sample	☒Yes	☐No*	☐N/A
Sample Containers Intact	☒Yes	☐No*	
Sample labels match COC ID's	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☒Yes	☐No*	☐N/A

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

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date DM 9/28/13

Comments:

_____

_____

_____

_____