June 12, 2014

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

Attention: Mark Detterman

Subject: Second Quarter 2014 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 *Second Quarter 2014 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

GRIBI
ASSOCIATES

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Attention: Mark Detterman

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3800 San Pablo Avenue, Emeryville, California
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Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Second Quarter 2014 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 May 27, 2014.

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 May 27, 2014.
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 9.11 feet (MW-4) to 9.95 feet (MW-2).
2. Groundwater elevations ranged from 29.01 feet above means sea level (msl) (MW-2) to 29.37 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 E300.1 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 REMEDIATION 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 operated continuously until the mid-October 2013.
   b. The system required repairs and was re-started on November 7, 2013 and operated continuously until the system was turned off on January 17, 2014.

CONCLUSIONS

1. Post-ozone injection groundwater hydrocarbon results continue to show relatively low concentrations of hydrocarbon constituents, with only minor concentration rebound in Site wells.

a. At MW-1 groundwater hydrocarbon concentrations were 2,900 µg/L TPH-G and 180 µg/L benzene, compared to a pre-remediation average of 11,600 µg/L TPH-G and 920 µg/L benzene.
b. At MW-2 groundwater hydrocarbon concentrations were 1,200 µg/L TPH-G and 250 µg/L benzene, compared to a pre-remediation average of 12,050 µg/L TPH-G and 870 µg/L benzene.
c. At MW-3 groundwater hydrocarbon concentrations were 510 µg/L TPH-G and 120 µg/L benzene, compared to a pre-remediation average of 13,250 µg/L TPH-G and 1,650 µg/L benzene.
d. At MW-4 groundwater hydrocarbon concentrations were 2,900 µg/L TPH-G and 47 µg/L benzene, compared to a pre-remediation average of 7,950 µg/L TPH-G and 98 µg/L benzene.
e. Toluene, ethylbenzene, and xylenes also continue to show reductions from pre-startup levels.

2. Groundwater samples from the four wells showed low levels of naphthalene, ranging from <1.0 to 24 ug/L.

PLANNED ACTIVITIES

1. Gribi Associates plans to conduct a quarterly groundwater monitoring and sampling event during the third quarter of 2014.
2. Gribi Associates is waiting for regulatory approval prior to re-implementing ozone remediation activities 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
CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)								
				TPH-G	B	T	E	X	OXY	Cr6	Br	N
MW-1	5/18/2012	8.42	30.54	**17,000**	**1,300**	**29**	**770**	**260**	All ND	–	–	–
<38.96>	9/13/2012	10.55	28.41	**13,000**	**630**	**10**	**780**	**86.7**	All ND	–	–	–
	11/9/2012	9.72	29.24	**15,000**	**1,200**	**21**	**1,100**	**283**	All ND	–	–	–
	2/20/2013	8.34	30.62	**9,800**	**970**	**15**	**860**	**171.5**	All ND	–	–	**75**
	6/4/2013	9.39	29.57	**8,600**	**880**	**15**	**770**	**121.2**	All ND	–	–	**74**
	Ozone Injection Started on September 9, 2013											
	9/26/2013	10.38	28.58	**16,000**	**220**	**8.9**	**610**	**152.4**	All ND	<0.20	**0.091**	**120**
	12/30/2013	9.92	29.04	**4,700**	**62**	**1.5**	**110**	**62.75**	All ND	–	–	**23**
	Ozone Injection Stopped on February 7, 2014											
	3/7/2014	6.56	32.40	**5,600**	**320**	**8.4**	**370**	**89.7**	All ND	<0.20	**0.047**	**68**
	5/27/2014	9.77	29.19	**2,900**	**180**	**4.3**	**290**	**38.51**	All ND	–	–	**24**
MW-2	5/18/2012	8.78	30.18	**10,000**	**610**	**26**	**340**	**69**	All ND	–	–	–
<38.96>	9/13/2012	10.64	28.32	**11,000**	**990**	**27**	**460**	**42.9**	All ND	–	–	–
	11/9/2012	9.57	29.39	**17,000**	**750**	**19**	**280**	**64.9**	All ND	–	–	–
	2/20/2013	8.86	30.1	**8,200**	**860**	**29**	**410**	**70**	All ND	–	–	**29**
	6/4/2013	9.86	29.1	**12,000**	**870**	**23**	**410**	**43.8**	All ND	–	–	**46**
	Ozone Injection Started on September 9, 2013											
	9/26/2013	13.32	25.64	**930**	**39**	**5.6**	**26**	**20**	All ND	**1.1**	**0.09**	**13**
	12/30/2013	10.33	28.63	**270**	**7.9**	<0.50	**2.9**	<1.0	TBA=20	–	–	<1.0
	Ozone Injection Stopped on February 7, 2014											
	3/7/2014	6.95	32.01	**440**	**41**	**0.91**	**4.2**	**2.9**	All ND	<0.20	**0.13**	**4.2**
	5/27/2014	9.95	29.01	**1,200**	**250**	**5.9**	**34**	**14.2**	All ND	–	–	**8.1**
MW-3	5/18/2012	8.61	30.23	**13,000**	**1,400**	**36**	**350**	**378**	All ND	–	–	–
<38.84>	9/13/2012	10.3	28.54	**12,000**	**1,800**	**25**	**680**	**565.5**	All ND	–	–	–
	11/9/2012	9.25	29.59	**17,000**	**2,000**	**32**	**540**	**318.6**	All ND	–	–	–
	2/20/2013	8.8	30.04	**12,000**	**1,400**	**15**	**330**	**43.9**	All ND	–	–	**8.4**
	6/4/2013	9.49	29.35	**12,000**	**1,400**	**11**	**89**	**32.4**	All ND	–	–	**13**
	Ozone Injection Started on September 9, 2013											
	9/26/2013	10.89	27.95	**5,500**	**190**	**2.8**	**42**	**27**	All ND	<0.20	**0.096**	**18**
	12/30/2013	14.59	24.25	**380**	**8.3**	<0.50	**2.3**	**1.6**	All ND	–	–	<1.0
	Ozone Injection Stopped on February 7, 2014											
	3/7/2014	6.99	31.85	**400**	**31**	**0.75**	**2.6**	**2.9**	All ND	<0.20	**0.083**	**1.9**
	5/27/2014	9.63	29.21	**510**	**120**	**1.3**	**9.8**	**2.8**	All ND	–	–	<1.0
MW-4	5/18/2012	8.28	30.2	**10,000**	**82**	**32**	**330**	**278**	All ND	–	–	–
<38.48>												
	9/13/2012	8.8	29.68	**10,000**	**110**	**24**	**270**	**178.1**	All ND	–	–	–
	11/9/2012	8.06	30.42	**11,000**	**110**	**13**	**170**	**124.4**	All ND	–	–	–
	2/20/2013	8.16	30.32	**4,500**	**100**	**9.5**	**190**	**65.3**	All ND	–	–	**7.1**
	6/4/2013	8.73	29.75	**6,300**	**72**	**6.2**	**61**	**48.4**	All ND	–	–	**12**

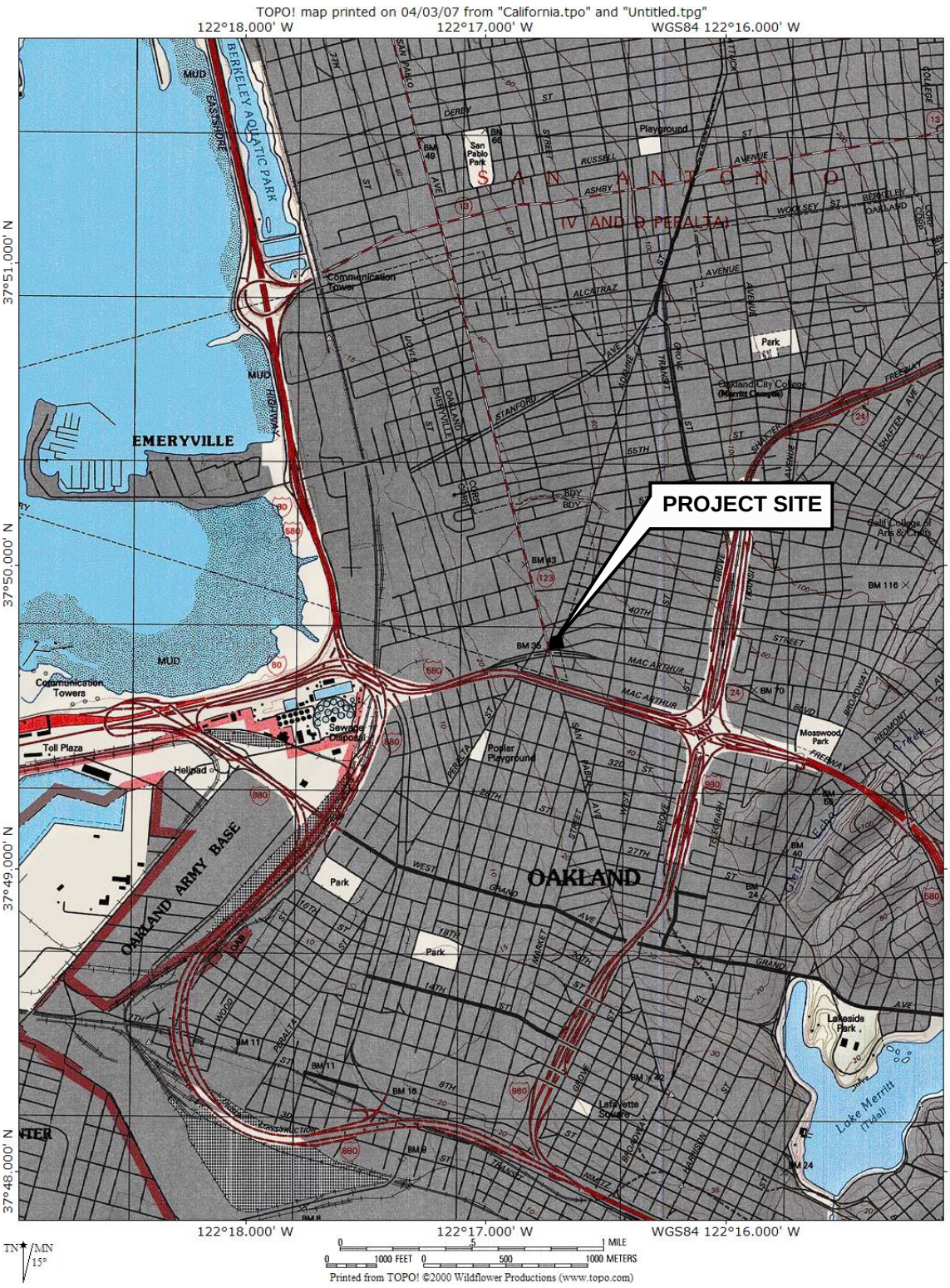
Table 1
CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)								
				TPH-G	B	T	E	X	OXY	Cr6	Br	N
Ozone Injection Started on September 9, 2013												
	9/26/2013	9.76	28.72	**12,000**	**48**	**3.7**	**70**	**18.2**	All ND	<0.20	**0.056**	**13**
	12/30/2013	9.81	28.67	**7,600**	**50**	**6.6**	**68**	**104.3**	All ND	–	–	**37**
Ozone Injection Stopped on February 7, 2014												
	3/7/2014	6.76	31.72	**3,100**	**38**	**4.3**	**51**	**76.5**	All ND	<0.020	**0.016**	**20**
	5/27/2014	9.11	29.37	**2,900**	**47**	**3.5**	**68**	**68.6**	All ND	–	**–**	<1.0
Enviromental Screening Levels				**100**	**27**	**9.50E+04**	**310**	**3.70E+04**	**110 TBA**	**21**	**NL**	**160**

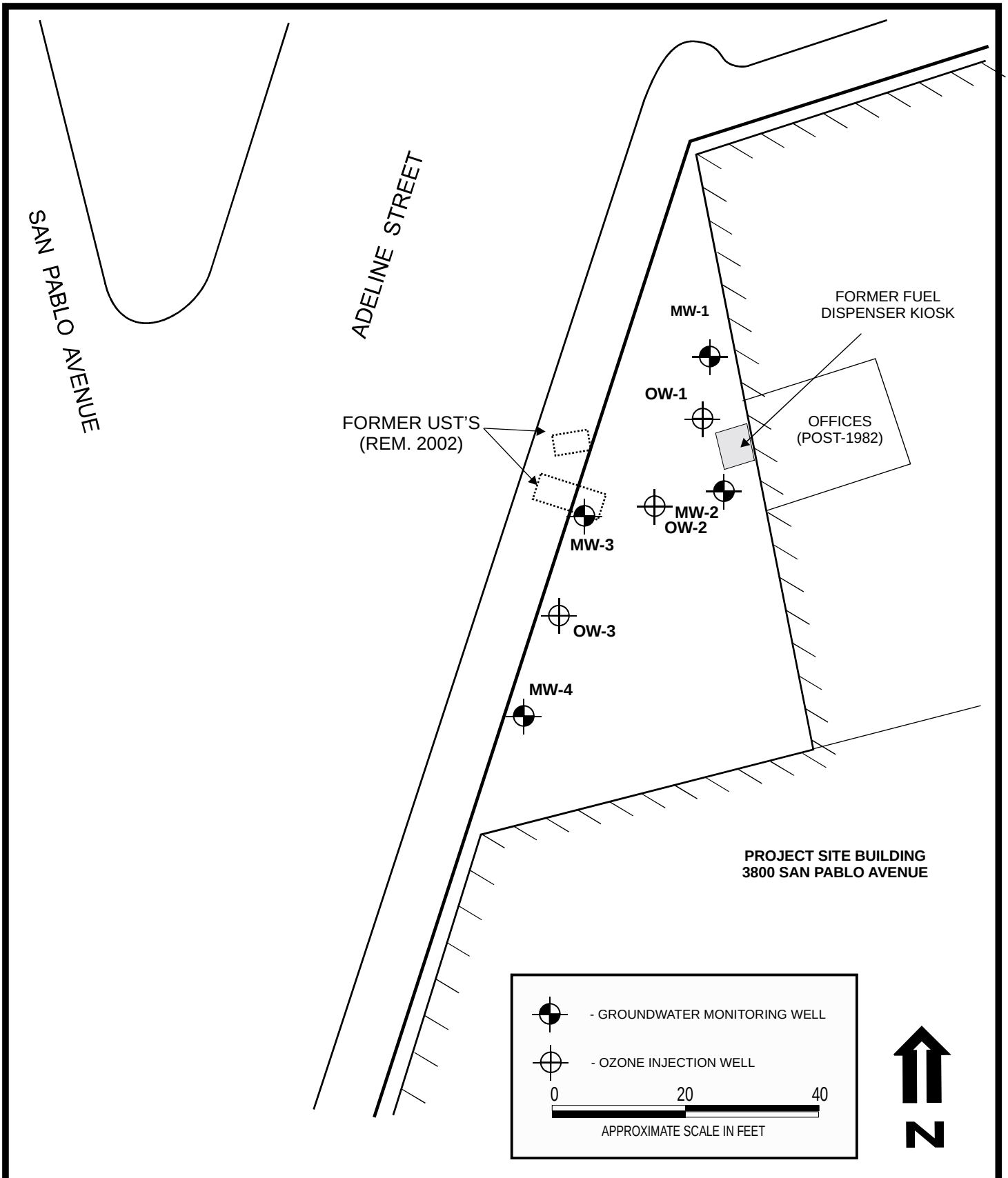
TABLE NOTES

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).
Cr6 = Hexavalent Chromium
Br = Bromate
N = Naphthalene.
<38.96> = Top of casing mean sea level elevation (Virgil Chavez Land Survey).
All ND = No detectable concentrations of all analytes.
– = Not analyzed for this analyte.
<1.0 = Not detected above the expressed value.
ESL = Environmental Screening Levels, as contained in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater* , San Francisco Bay Regional Water Quality Control Board, December 2013, Table E-1, Groundwater to Indoor Air, fine grained soils,

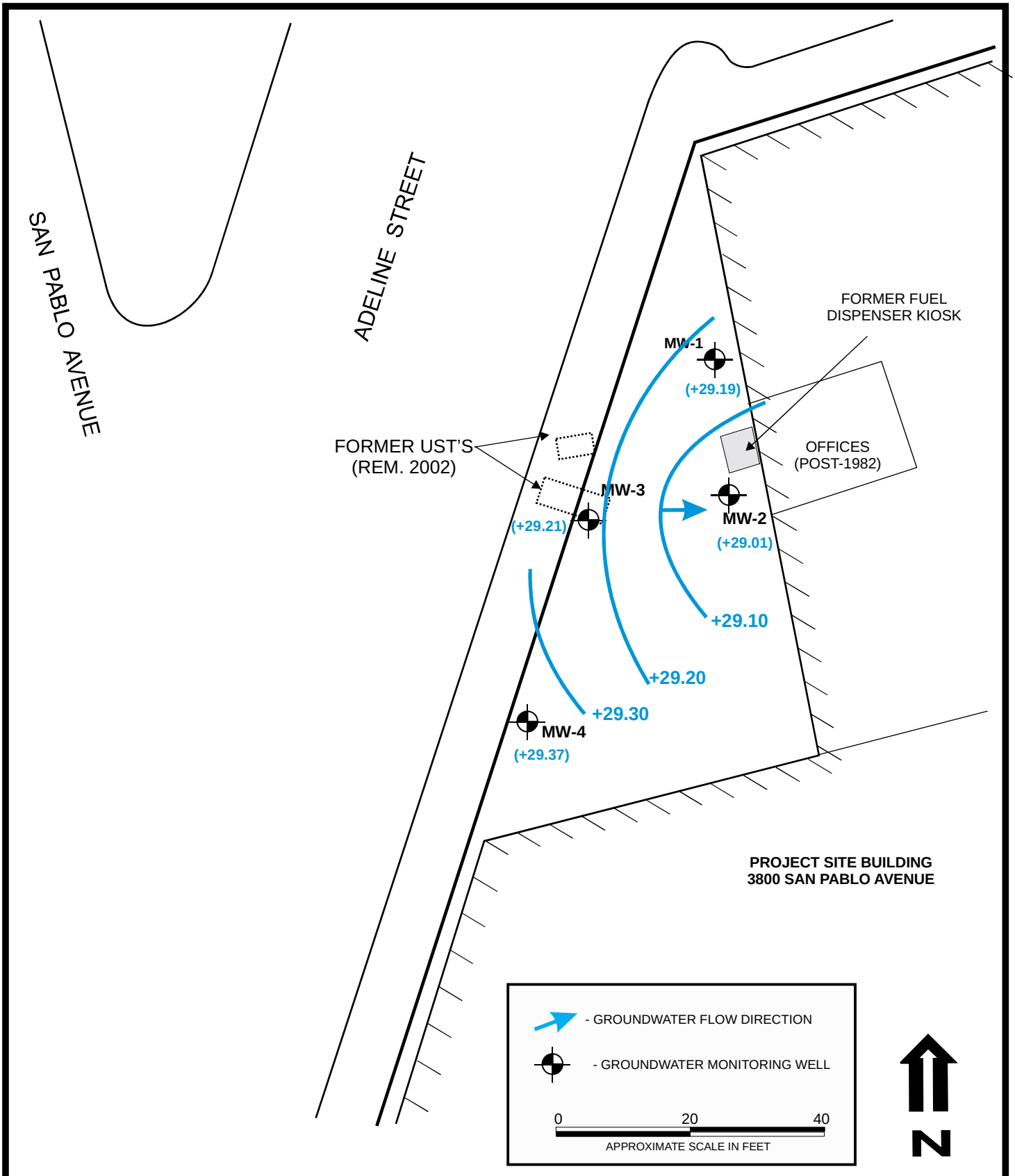
FIGURES



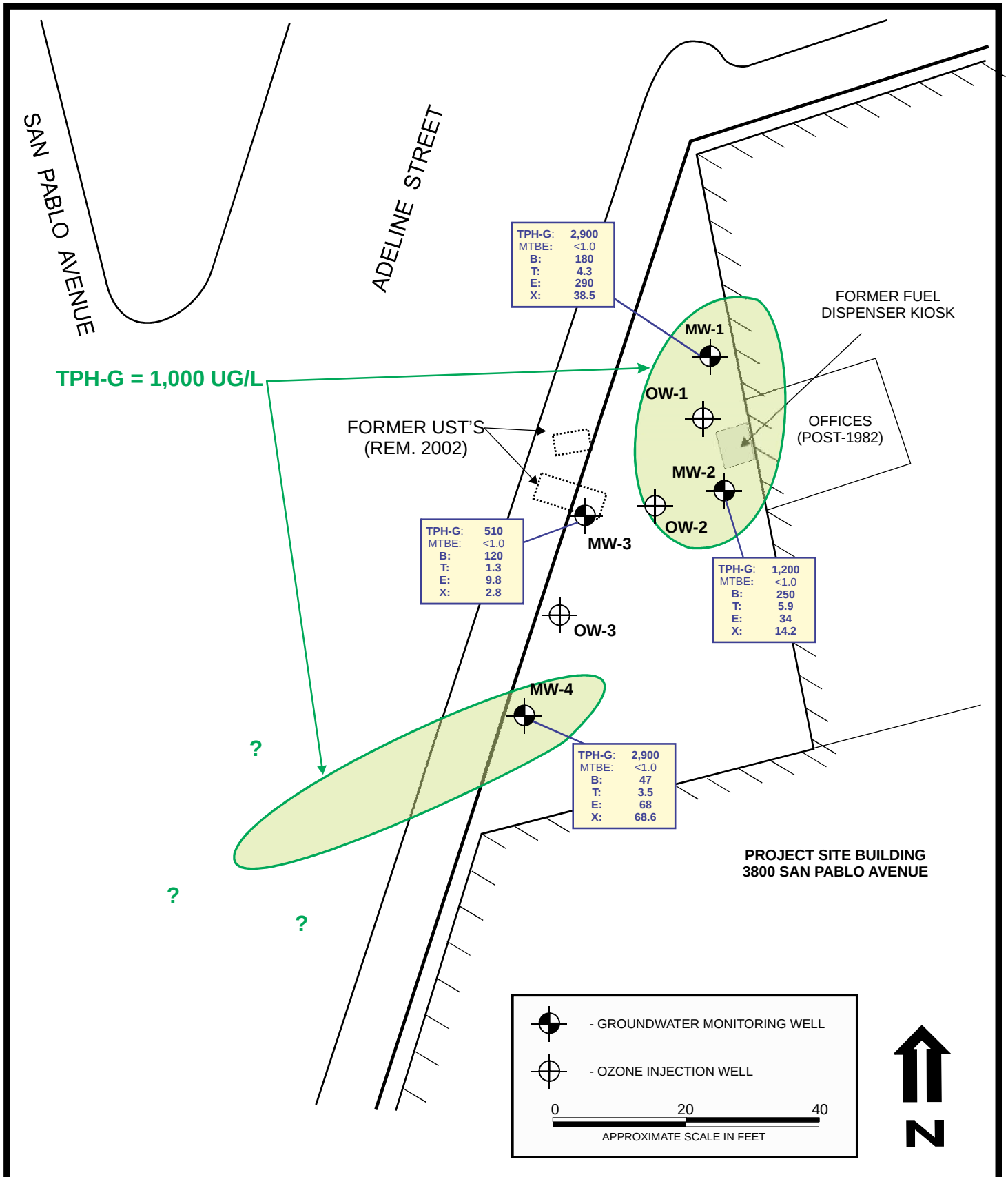
DESIGNED BY:	CHECKED BY: JG	**SITE VICINITY MAP**	DATE: 06/12/2014	FIGURE: **1**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 06/12/2014	FIGURE: **2**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER ELEVATION GRADIENT - 03/07/2014**	DATE: 06/12/2014	FIGURE: **3**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER HYDROCARBON CONCENTRATIONS - 03/07/2014**	DATE: 06/12/2014	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. Rasman

Date: 5/27/2014

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	—	9.77	38.96	29.19	22.7	
MW-2	—	9.95	38.96	29.01	22.8	
MW-3	—	9.63	38.84	29.21	22.8	
MW-4	—	9.11	38.48	29.37	22.8	

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 5/27/2014
Weather Conditions: Clear, mild

Well ID: MW-1
Casing Diameter (inches): 2.0
Total Depth (feet): 22.7
Depth to Water: 9.77
Depth to Free Product: —
Water Column (ft): 12.93
Product Thickness: Ø
One Well Volume (gal): 2.20
3x Well Volume (gal): 6.60

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		

FIELD PARAMETERS

Time	*Volume Purged*	*Temp. (F or C)*	*E.C. (µS/cm)*	*D.O. (mg/L)*	*pH*	*ORP (mV)*	*Comments*
1333							
1336	2	18.9	1.03		6.96		
1342	4	19.1	1.05		6.96		
1348	6	19.3	1.06		6.90		Dry @ ~6 gal.
	7						

SAMPLE OBSERVATIONS

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

Sample Time: 1405
Sampler's Signature: MAR

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 5/27/2014
Weather Conditions: Clear, mild

Well ID: MW-2
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 9.95
Depth to Free Product: —
Water Column (ft): 12.85
Product Thickness: Ø
One Well Volume (gal): 2.18
3x Well Volume (gal): 6.6

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*
1213							
1217	2	18.5	1.19		6.93		
1221	4	18.5	1.17		6.93		
1226	6	18.6	1.20		6.90		
1228	7	18.7	1.21		6.95		

SAMPLE OBSERVATIONS

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

Sample Time: 1230
Sampler's Signature: MAR

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 5/27/2014
Weather Conditions: Clear, mild

Well ID: MW-3
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 9.63
Depth to Free Product: —
Water Column (ft): 13.17
Product Thickness: Ø
One Well Volume (gal): 2.24
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
1238							
1242	2	18.5	1.27		7.33		
1248	4	18.6	1.25		7.22		
1255	6	18.9	1.26		7.14		V. slow purging/ collect sample
	7						

SAMPLE OBSERVATIONS

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

Sample Time: 1255
Sampler's Signature: MAR

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MAR
Date: 5/27/2014
Weather Conditions: Clear, mild

Well ID: MW-4
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 9.11
Depth to Free Product: —
Water Column (ft): 13.69
Product Thickness: Ø
One Well Volume (gal): 2.33
3x Well Volume (gal): 7.0

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
1307							
1310	2	17.8	1.18		6.85		
1315	4	17.9	1.18		6.86		
1319	6	17.9	1.17		6.85		
1322	7	18.0	1.16		6.84		

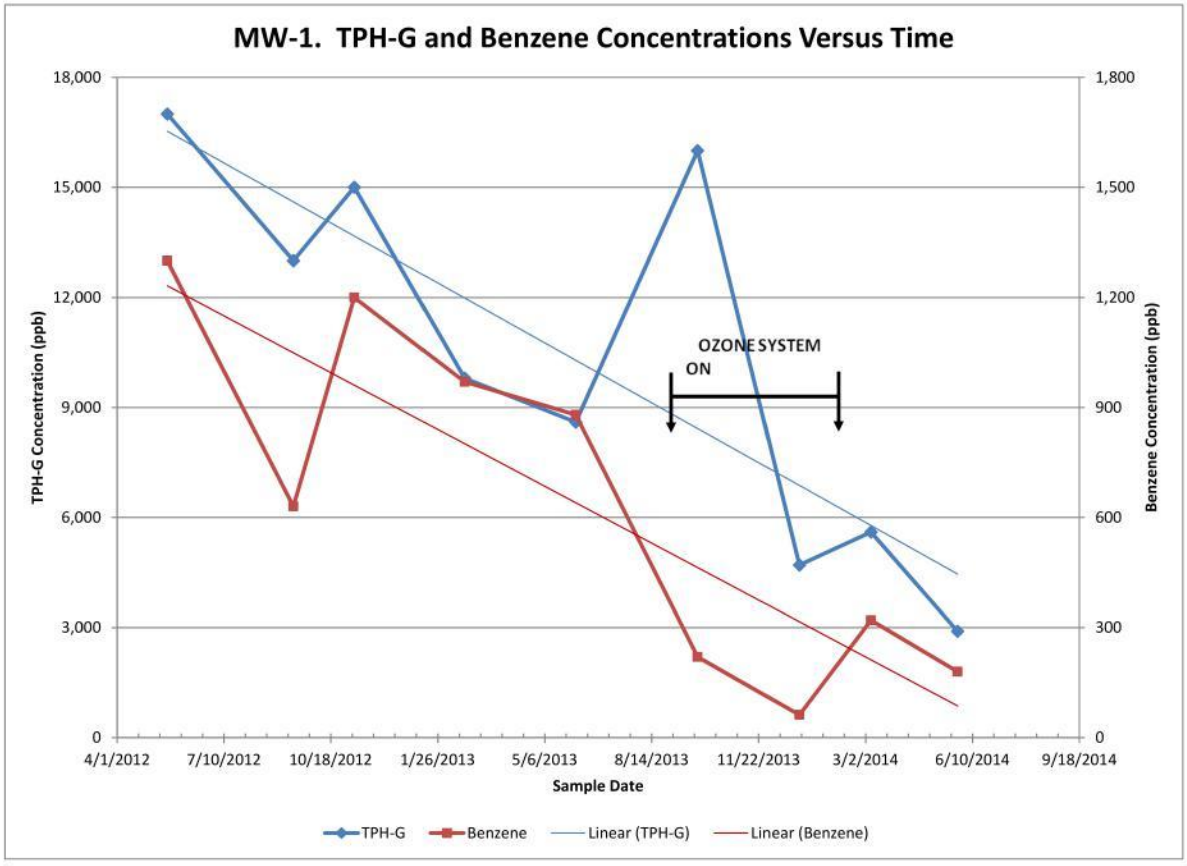
SAMPLE OBSERVATIONS

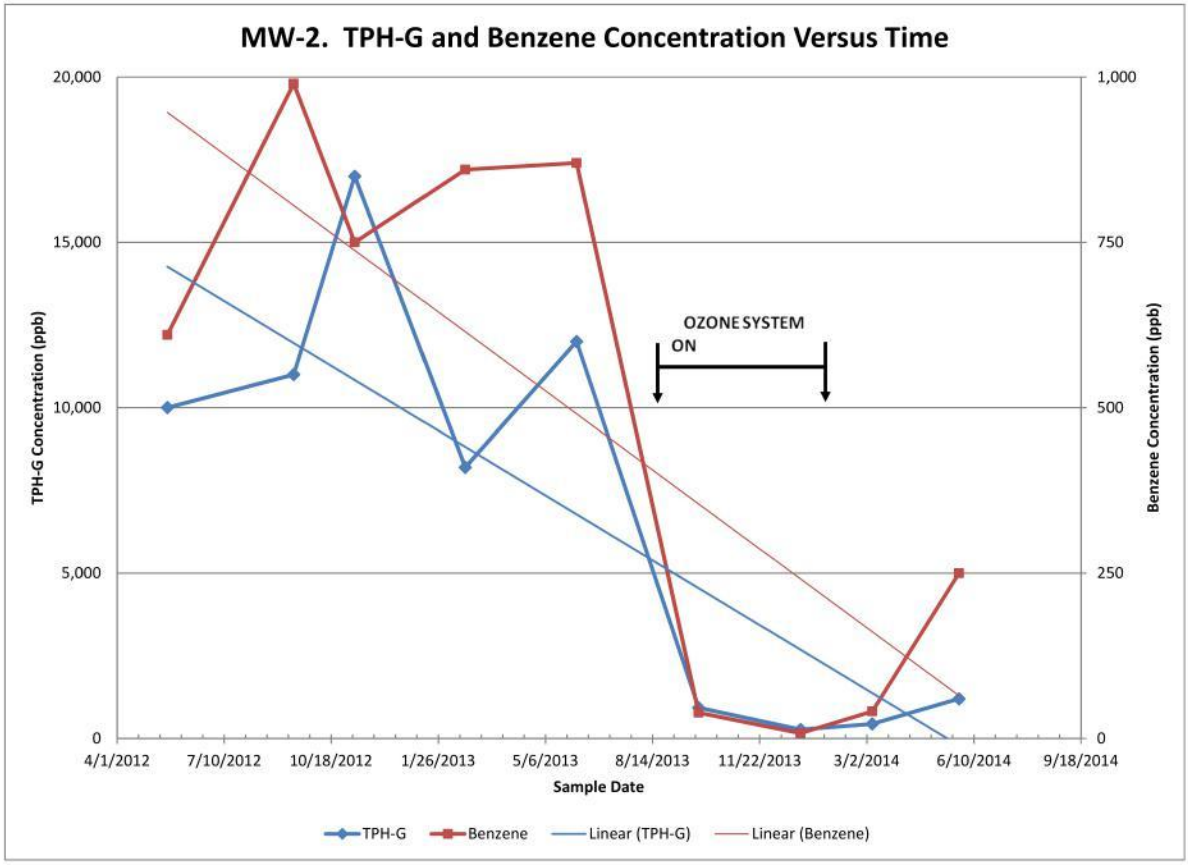
Characteristic	None	Slight	Moderate	Strong	Comments
Color	X				
Odor			X		HC
Turbidity	X				
Sheen	X				
Other:					

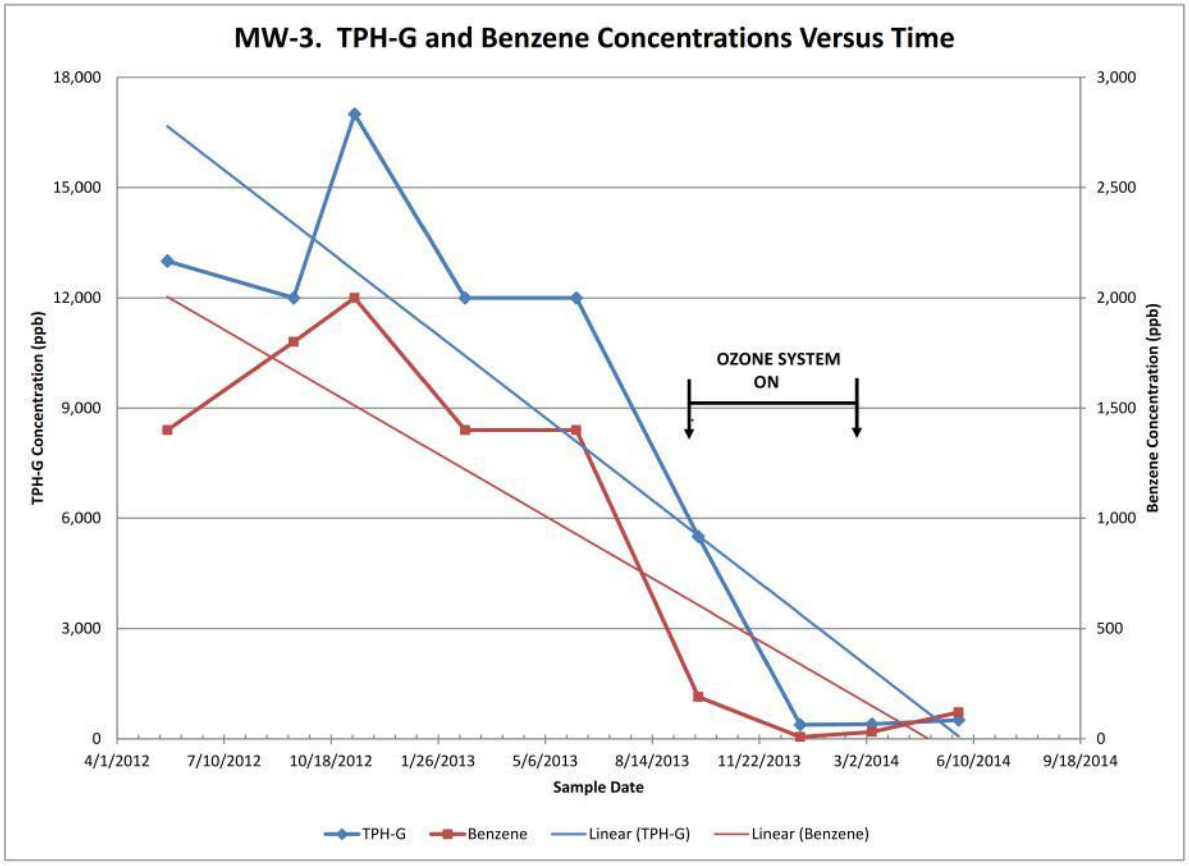
Sample Time: 1325
Sampler's Signature: MAR

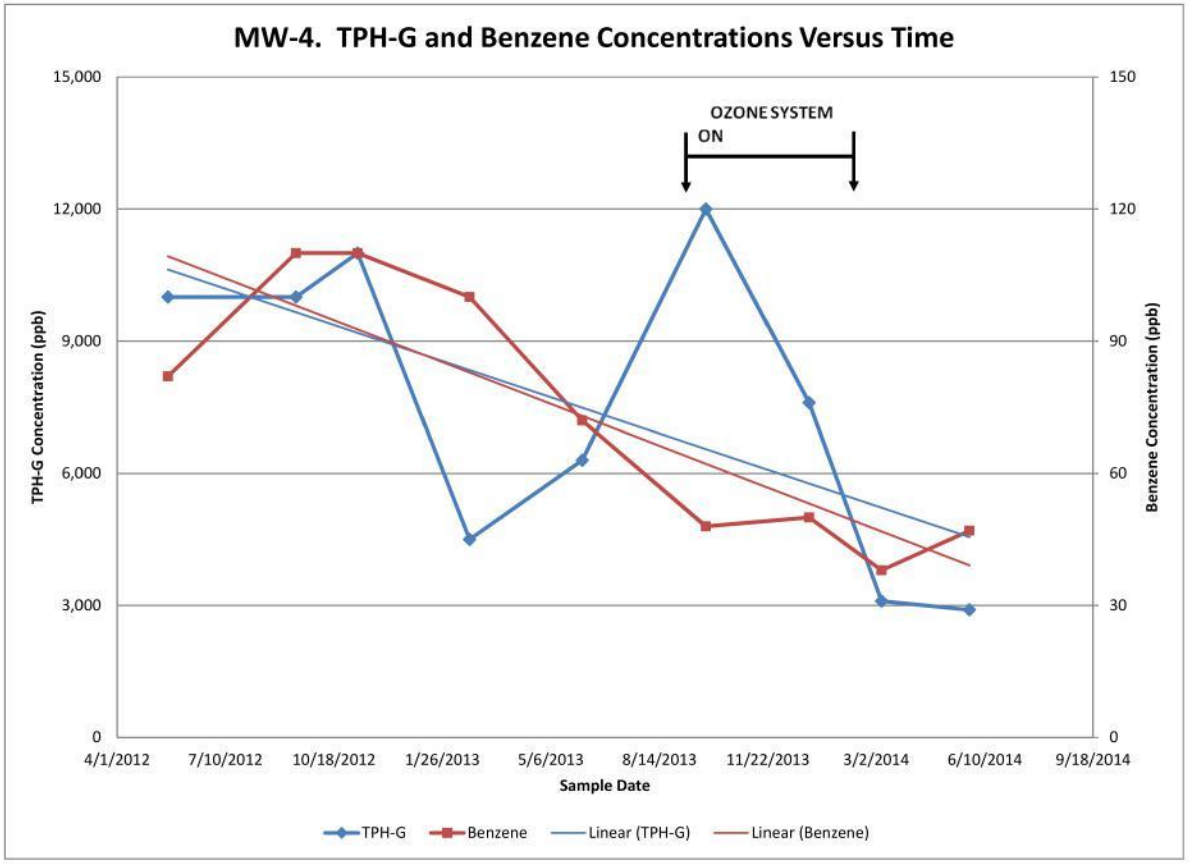
ATTACHMENT B

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
TPH-G Concentration (ppb)
1,800
1,500
1,200
900
600
300
0
Benzene Concentration (ppb)
OZONE SYSTEM
ON
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
3/2/2014
6/10/2014
9/18/2014
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
TPH-G Concentration (ppb)
1,000
750
500
250
0
Benzene Concentration (ppb)
OZONE SYSTEM
ON
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
3/2/2014
6/10/2014
9/18/2014
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
3,000
2,500
2,000
1,500
1,000
500
0
TPH-G Concentration (ppb)
Benzene Concentration (ppb)
OZONE SYSTEM ON
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
3/2/2014
6/10/2014
9/18/2014
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
150
120
90
60
30
0
TPH-G Concentration (ppb)
Benzene Concentration (ppb)
OZONE SYSTEM ON
4/1/2012
7/10/2012
10/18/2012
1/26/2013
5/6/2013
8/14/2013
11/22/2013
3/2/2014
6/10/2014
9/18/2014
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

05 June 2014

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 05/29/14 08:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Katherine RunningCrane

Katherine RunningCrane
Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T141075-01	Water	05/27/14 14:05	05/29/14 08:50
MW-2	T141075-02	Water	05/27/14 12:30	05/29/14 08:50
MW-3	T141075-03	Water	05/27/14 12:55	05/29/14 08:50
MW-4	T141075-04	Water	05/27/14 13:25	05/29/14 08:50

DETECTIONS SUMMARY

Sample ID: MW-1 **Laboratory ID:** T141075-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**24**	1.0	ug/l	EPA 8260B	
Benzene	**180**	5.0	ug/l	EPA 8260B	
Toluene	**4.3**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**290**	5.0	ug/l	EPA 8260B	
m,p-Xylene	**38**	1.0	ug/l	EPA 8260B	
o-Xylene	**0.51**	0.50	ug/l	EPA 8260B	
C6-C12 (GRO)	**2900**	50	ug/l	EPA 8260B	

Sample ID: MW-2 **Laboratory ID:** T141075-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**8.1**	1.0	ug/l	EPA 8260B	
Benzene	**250**	5.0	ug/l	EPA 8260B	
Toluene	**5.9**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**34**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**13**	1.0	ug/l	EPA 8260B	
o-Xylene	**1.2**	0.50	ug/l	EPA 8260B	
C6-C12 (GRO)	**1200**	50	ug/l	EPA 8260B	

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

Sample ID: MW-3 **Laboratory ID:** T141075-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**120**	5.0	ug/l	EPA 8260B	
Toluene	**1.3**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**9.8**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**2.8**	1.0	ug/l	EPA 8260B	
C6-C12 (GRO)	**510**	50	ug/l	EPA 8260B	

Sample ID: MW-4 **Laboratory ID:** T141075-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**47**	0.50	ug/l	EPA 8260B	
Toluene	**3.5**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**68**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**64**	1.0	ug/l	EPA 8260B	
o-Xylene	**4.6**	0.50	ug/l	EPA 8260B	
C6-C12 (GRO)	**2900**	50	ug/l	EPA 8260B	

Katherine RunningCrane, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

MW-1

T141075-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**24**	1.0	ug/l	1	4052902	05/29/14	05/29/14	EPA 8260B	
Benzene	**180**	5.0	"	10	"	"	"	"	
Toluene	**4.3**	0.50	"	1	"	"	"	"	
Ethylbenzene	**290**	5.0	"	10	"	"	"	"	
m,p-Xylene	**38**	1.0	"	1	"	"	"	"	
o-Xylene	**0.51**	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)	**2900**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*81.1-136*		"	"	"	"	

SunStar Laboratories, Inc.

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Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

MW-2

T141075-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**8.1**	1.0	ug/l	1	4052902	05/29/14	05/29/14	EPA 8260B	
Benzene	**250**	5.0	"	10	"	"	"	"	
Toluene	**5.9**	0.50	"	1	"	"	"	"	
Ethylbenzene	**34**	0.50	"	"	"	"	"	"	
m,p-Xylene	**13**	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)	**1200**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*113 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*81.1-136*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

MW-3

T141075-03 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	1.0	ug/l	1	4052902	05/29/14	05/29/14	EPA 8260B	
Benzene	**120**	5.0	"	10	"	"	"	"	
Toluene	**1.3**	0.50	"	1	"	"	"	"	
Ethylbenzene	**9.8**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.8**	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)	**510**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*81.1-136*		"	"	"	"	

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

MW-4

T141075-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	ND	1.0	ug/l	1	4052902	05/29/14	05/29/14	EPA 8260B	
Benzene	**47**	0.50	"	"	"	"	"	"	
Toluene	**3.5**	0.50	"	"	"	"	"	"	
Ethylbenzene	**68**	0.50	"	"	"	"	"	"	
m,p-Xylene	**64**	1.0	"	"	"	"	"	"	
o-Xylene	**4.6**	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)	**2900**	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*	*88.8-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*	*81.1-136*		"	"	"	"	

Katherine RunningCrane, Project Manager

SunStar Laboratories, Inc.
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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	06/05/14 15:56

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 4052902 - EPA 5030 GCMS										
Blank (4052902-BLK1)				Prepared & Analyzed: 05/29/14						
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	*8.25*		*"*	*8.00*		*103*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.10*		*"*	*8.00*		*101*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.56*		*"*	*8.00*		*107*	*81.1-136*			
LCS (4052902-BS1)				Prepared & Analyzed: 05/29/14						
Chlorobenzene	23.8	1.0	ug/l	20.0		119	75-125			
1,1-Dichloroethene	18.4	1.0	"	20.0		91.8	75-125			
Trichloroethene	20.2	1.0	"	20.0		101	75-125			
Benzene	16.1	0.50	"	20.0		80.4	75-125			
Toluene	19.0	0.50	"	20.0		95.0	75-125			
Surrogate: Toluene-d8	*8.08*		*"*	*8.00*		*101*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.09*		*"*	*8.00*		*101*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.22*		*"*	*8.00*		*115*	*81.1-136*			
Matrix Spike (4052902-MS1)	**Source: T141075-01**			Prepared & Analyzed: 05/29/14						
Chlorobenzene	23.6	1.0	ug/l	20.0	ND	118	75-125			
1,1-Dichloroethene	19.5	1.0	"	20.0	ND	97.3	75-125			
Trichloroethene	20.3	1.0	"	20.0	ND	101	75-125			
Benzene	150	0.50	"	20.0	180	NR	75-125			QM-4X
Toluene	22.5	0.50	"	20.0	4.27	91.0	75-125			
Surrogate: Toluene-d8	*7.88*		*"*	*8.00*		*98.5*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.24*		*"*	*8.00*		*103*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.53*		*"*	*8.00*		*119*	*81.1-136*			

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Katherine RunningCrane, Project Manager

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

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 4052902 - EPA 5030 GCMS										
Matrix Spike Dup (4052902-MSD1)	**Source: T141075-01**			Prepared & Analyzed: 05/29/14						
Chlorobenzene	23.8	1.0	ug/l	20.0	ND	119	75-125	0.675	20	
1,1-Dichloroethene	17.2	1.0	"	20.0	ND	86.0	75-125	12.3	20	
Trichloroethene	21.4	1.0	"	20.0	ND	107	75-125	5.43	20	
Benzene	146	0.50	"	20.0	180	NR	75-125	2.96	20	QM-4X
Toluene	23.0	0.50	"	20.0	4.27	93.4	75-125	2.11	20	
Surrogate: Toluene-d8	*7.98*		"	*8.00*		*99.8*	*88.8-117*			
Surrogate: 4-Bromofluorobenzene	*8.39*		"	*8.00*		*105*	*83.5-119*			
Surrogate: Dibromofluoromethane	*9.15*		"	*8.00*		*114*	*81.1-136*			

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

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949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	06/05/14 15:56

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.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Katherine RunningCrane

Katherine RunningCrane, Project Manager

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SAMPLE RECEIVING REVIEW SHEET

BATCH # T141075

Client Name: Gribi Project: Maz Glass

Received by: Sunny Date/Time Received: 5.29.14 / 8:50

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 5.6 °C +/- the CF (- 0.2°C) = 5.4 °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 SZ 5.29.14

Comments:

SUNSTAR LABORATORIES

2712 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)

T141075

Report To: James Gribi Bill To:

Company: Gribi Associates

1090 Adams Street, Suite K

Benicia, CA 94510

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

Client Name: San Pablo Avenue Ventures Global ID: T0601978682

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
MW-1	01	5/27	1405	4	voa	X					X	X		
MW-2	02	5/27	1230	4	voa	X					X	X		
MW-3	03	5/27	1255	4	voa	X					X	X		
MW-4	04	5/27	1325	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)	X	
TPH-Gas, BTEX, 5 Oxygenates (8260B)	X	
TPH-Gas, BTEX, 7 Oxygenates (8260B)		
5 Oxygenates (8260B)		
Lead Scavengers [1,2 DCA & 1,2 EDB] (8260B)		
VOC's – Full List (8260B)	X	
Halogenated VOC's (8260B)	X	
SVOC's (8270)		
Naphthalene (8260B)	X	

Filter Samples for Metals analysis: Yes / No

	Date:	Time:	Received By:
Relinquished By:	5/28/14	1000	
Relinquished By:	5/29/14	8:50	Received By:
Relinquished By:			Received By:

ICE/t° 5.4
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

PRESERVATION VOAS O&G METALS OTHER
pH<2

COMMENTS:

STD. TAT

5.29.14

SZ