August 4, 2017

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

Attention: Mark Detterman

Subject: Third Quarter 2017 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 2017 Groundwater Monitoring* prepared by Gribi Associates. I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

Very truly yours,

William H Banker Jr

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

Subject: Third Quarter 2017 Groundwater Monitoring Report
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Ladies and Gentlemen:

Gribi Associates is pleased to submit this *Third Quarter 2017 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 July 24, 2017.

DESCRIPTION OF SAMPLING ACTIVITIES

1. Gribi Associates personnel conducted groundwater monitoring and sampling activities for four site wells (MW-1, MW-2, MW-3, and MW-4) on July 24, 2017.
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 9.64 feet (MW-4) to 10.20 feet (MW-2).
2. Groundwater elevations ranged from 28.76 feet above means sea level (msl) (MW-2) to 29.01 feet msl (MW-1).
3. Groundwater potentiometric gradient during this monitoring event was variable.
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
2. Groundwater analytical results are summarized in Table 1 and on Figure 4.
3. Groundwater hydrocarbon trend graphs for site 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.
3. Gribi Associates resumed ozone remediation at the site on August 5, 2014 and turned it off on October 24, 2014.

CONCLUSIONS

1. Results from this event do not show significant hydrocarbon concentration rebound relative to prior post-remediation groundwater monitoring events.
2. Based on these results, and in accordance with the December 17, 2015 and June 8, 2017 letters from Alameda County Environmental Health, this UST case should be granted regulatory closure under the Low Throw Closure Policy.

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

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

Enclosure

c: Mr. Bill Banker, Jr., San Pablo Avenue Venture

GRIBI

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	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
MW-1	5/18/2012	8.42	30.54	**17,000**	–	–	**1,300**	**29**	**770**	**260**	All ND	–	–	–	–	–
<38.96>	9/13/2012	10.55	28.41	**13,000**	–	–	**630**	**10**	**780**	**86.7**	All ND	–	–	–	–	–
	11/9/2012	9.72	29.24	**15,000**	–	–	**1,200**	**21**	**1,100**	**283**	All ND	–	–	–	–	–
	2/20/2013	8.34	30.62	**9,800**	–	–	**970**	**15**	**860**	**171.5**	All ND	–	–	**75**	–	–
	6/4/2013	9.39	29.57	**8,600**	–	–	**880**	**15**	**770**	**121.2**	All ND	–	–	**74**	–	–
	Ozone Injection Started on September 9, 2013															
	9/26/2013	10.38	28.58	**16,000**	–	–	**220**	**8.9**	**610**	**152.4**	All ND	<0.20	**0.091**	**120**	–	–
	12/30/2013	9.92	29.04	**4,700**	–	–	**62**	**1.5**	**110**	**62.75**	All ND	–	–	**23**	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.56	32.40	**5,600**	–	–	**320**	**8.4**	**370**	**89.7**	All ND	<0.20	**0.047**	**68**	–	–
	5/27/2014	9.77	29.19	**2,900**	–	–	**180**	**4.3**	**290**	**38.51**	All ND	–	**–**	**24**	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	11.25	27.71	**400**	<500	**960**	<0.50	<0.50	**1.1**	**1.3**	**38** TBA	–	**–**	<1.0	All ND	**7.0** 1,3,5-Trimethylbenzene **4.3** 1,2,4-Trimethyhlbenene
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	6.01	32.95	**12,000**	–	**–**	**250**	**2.8**	**270**	**54.51**	All ND	–	–	–	–	–
	1/29/2015	8.91	30.05	**15,000**	–	**–**	**240**	**3.6**	**210**	**59.51**	All ND	–	–	–	–	–
	3/12/2015	8.28	30.68	**3,700**	**1,300**	–	**210**	**2.3**	**120**	**63**	All ND	–	–	**19**	–	**8.5** b-Butylbenzene **2.9** sec-Butylbenzene **16** Isopropylbenzene **2.1** p-Isopropylbenzene **40** n-Propylbenzene **28** 1,3,5-Trimethylbenzene **45** 1,2,4-Trimethylbenzene
	7/24/2017	9.95	29.01	**4,500**	–	–	**100**	**2.3**	**82**	**84.9**	All ND	–	–	**9.9**	–	–
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**	**–**	**–**

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	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
	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**	**–**	**–**
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	11.28	27.68	**180**	<500	<500	**4.5**	<0.50	**0.73**	<1.0	**87** TBA	–	**–**	<1.0	ALL ND	ALL ND
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	6.15	32.81	**430**	–	–	**41**	**1.1**	**4.3**	**3.4**	**25** TBA	–	–	–	–	–
	1/29/2015	8.63	30.33	**6,900**	–	–	**180**	**5.4**	**37**	**19.2**	All ND	–	–	–	–	–
	3/12/2015	8.30	30.66	**3,200**	**1,100**	–	**270**	**5.4**	**61**	**7.7**	**90** TBA	–	–	**6.3**	–	**8.5** n-Butylbenzene **2.9** sec-Butylbenzene **16** Isopropylbenzene **2.1** p-Isopropylbenzene **40** n-Propylbenzene **28** 1,3,5-Trimethylbenzene **45** 1,2,4-Trimethylbenzene
	7/24/2017	10.20	28.76	**4,000**	–	–	**180**	**7.0**	**4.5**	**2.1**	All ND	–	–	**1.2**	–	–
MW-3	5/18/2012	8.61	30.23	**13,000**	**–**	**–**	**1,400**	**36**	**350**	**378**	All ND	–	–	–	–	–
<38.84>	9/13/2012	10.3	28.54	**12,000**	**–**	**–**	**1,800**	**25**	**680**	**565.5**	All ND	–	–	–	–	–
	11/9/2012	9.25	29.59	**17,000**	**–**	**–**	**2,000**	**32**	**540**	**318.6**	All ND	–	–	–	–	–
	2/20/2013	8.8	30.04	**12,000**	**–**	**–**	**1,400**	**15**	**330**	**43.9**	All ND	–	–	**8.4**	**–**	**–**
	6/4/2013	9.49	29.35	**12,000**	**–**	**–**	**1,400**	**11**	**89**	**32.4**	All ND	–	–	**13**	**–**	**–**
	Ozone Injection Started on September 9, 2013															
	9/26/2013	10.89	27.95	**5,500**	**–**	**–**	**190**	**2.8**	**42**	**27**	All ND	<0.20	**0.096**	**18**	**–**	**–**
	12/30/2013	14.59	24.25	**380**	**–**	**–**	**8.3**	<0.50	**2.3**	**1.6**	All ND	–	–	<1.0	–	–
	Ozone Injection Stopped on February 7, 2014															
	3/7/2014	6.99	31.85	**400**	**–**	**–**	**31**	**0.75**	**2.6**	**2.9**	All ND	<0.20	**0.083**	**1.9**	**–**	**–**
	5/27/2014	9.63	29.21	**510**	**–**	**–**	**120**	**1.3**	**9.8**	**2.8**	All ND	–	**–**	<1.0	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	10.31	28.53	<50	<500	<500	**2.3**	<0.50	<0.50	<1.0	All ND	–	**–**	<1.0	ALL ND	ALL ND
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	6.23	32.61	**1,900**	–	–	**290**	**1.8**	**2.1**	**12.4**	**30** TBA	–	–	–	–	–

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CUMULATIVE GROUNDWATER LABORATORY ANALYTICAL RESULTS
Former Maz Glass UST Site

Well ID	Date	GW Depth	GW Elev.	Groundwater Concentration, in micrograms per liter (ug/L)												
				TPH-G	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
	1/29/2015	8.97	29.87	**3,100**	–	–	**110**	**0.57**	**9.1**	**1.3**	**53** TBA	–	–	–	–	–
	3/12/2015	8.07	30.77	**190**	**830**	–	**50**	<0.50	**2.7**	<1.0	**53** TBA	–	–		–	**1.5** Isopropylbenzene **1.3** n-Propylbenzene **1.3** 1,2,4-Trimethylbenzene
	7/24/2017	10.05	28.79	**540**	–	–	**1.0**	<0.50	<0.50	<1.0	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**	–	–
	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	–	–
	Ozone Injection Resumed on August 5, 2014															
	9/29/2014	11.19	27.29	**5,600**	**2,200**	**4,900**	**16**	**0.78**	**6.1**	**9.04**	All ND	–	–	<1.0	All ND	**1.3** sec-Butylbenzene **2.8** Isopropylbenzene **2.9** p-Isopropylbenzene **5.7** n-Propylbenzene **22** 1,3,5-Trimethylbenzene **20** 1,2,4-Trimethylbenzene
	Ozone Injection Stopped on October 24, 2014															
	12/7/2014	5.82	32.66	**5,700**	–	–	**28**	**2.9**	**30**	**23.2**	All ND	–	–	–	–	–
	1/29/2015	7.70	30.78	**43,000**	–	–	**50**	**7.7**	**70**	**79.5**	All ND	–	–	–	–	–

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	TPH-D	TPH-HO	B	T	E	X	OXY	Cr6	Br	N	SVOCs	Other VOCs
	3/12/2015	7.04	31.44	**2,700**	**1,500**	–	**41**	**7.7**	**52**	**41.2**	All ND	–	–	**18**	–	**6.4** n-Butylbenzene **3.1** sec-Butylbenzene **13** Isopropylbenzene **1.6** p-Isopropylbenzene **21** n-Propylbenzene **8.4** 1,3,5-Trimethylbenzene **40** 1,2,4-Trimethylbenzene
	7/24/2017	9.64	28.84	**25,000**	**–**	–	**26**	**5.0**	**4.4**	**2.3**	All ND	–	–	**1.9**	–	–
Enviromental Screening Levels				**NL**	**NL**	**NL**	**1.1**	**3,600**	**13**	**1,300**	**1,200 MTBE**	**NL**	**NL**	**20**	**Various**	**Various**

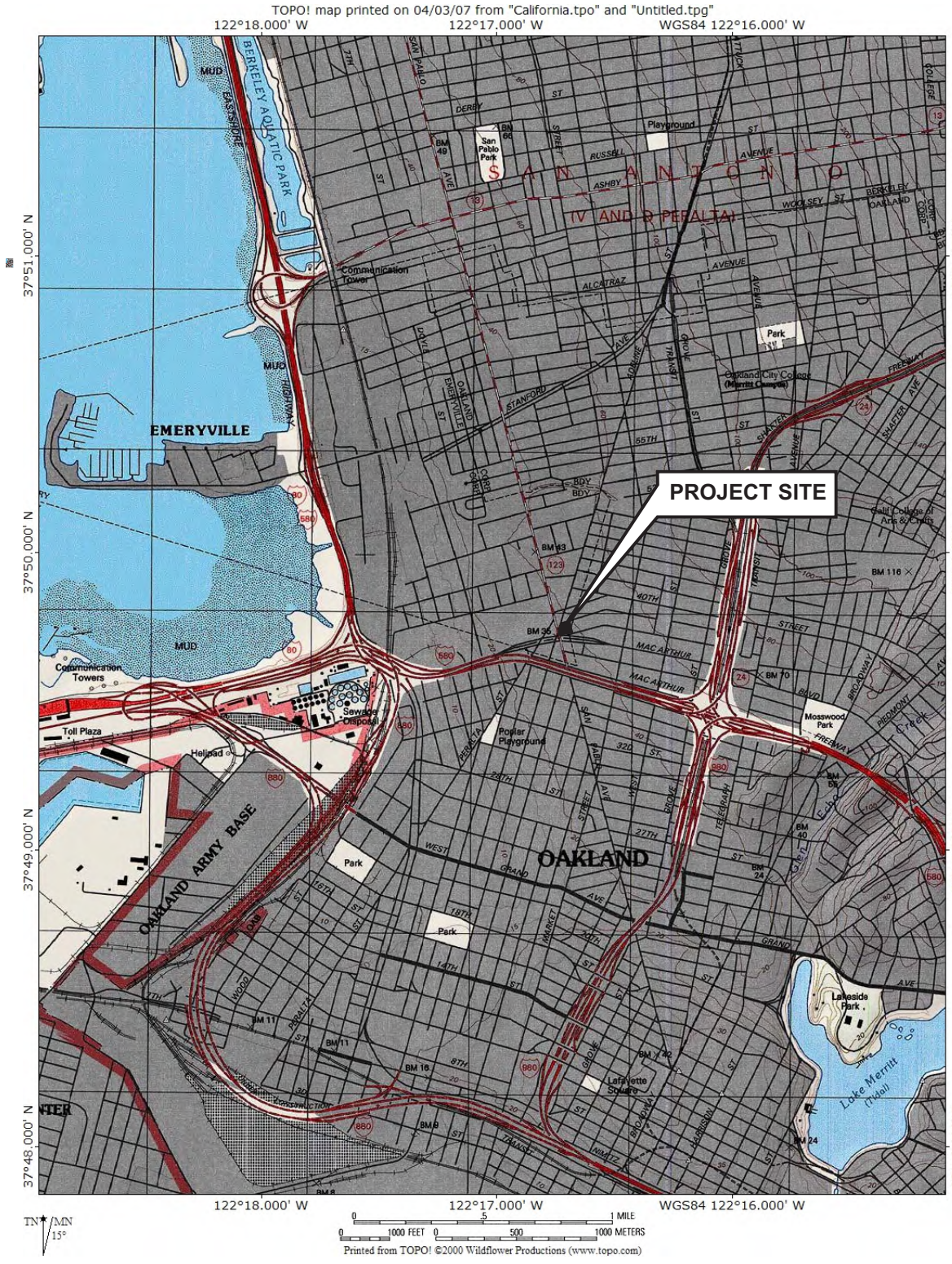
TABLE NOTES

GW Elev = Groundwater mean sea level elevation
TPH-G = Total Petroleum Hydrocarbons as gasoline
B = Benzene,
T = Toluene
E = Ethylbenzene
TPH-D
TPH-K
X = Xylenes
OXY = Oxygenates, including MTBE = Methyl-t-Butyl Ether,
ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME).
Cr6 = Hexavalent Chromium
Br = Bromate
N = Naphthalene.
<38.96> = Top of casing mean sea level elevation (Virgil Chavez Land Survey).
All ND = No detectable concentrations of all analytes.
– = Not analyzed for this analyte.
SVOCs = semi-volatile organic compounds
VOCs = volatile organic compounds
<1.0 = Not detected above the expressed value.

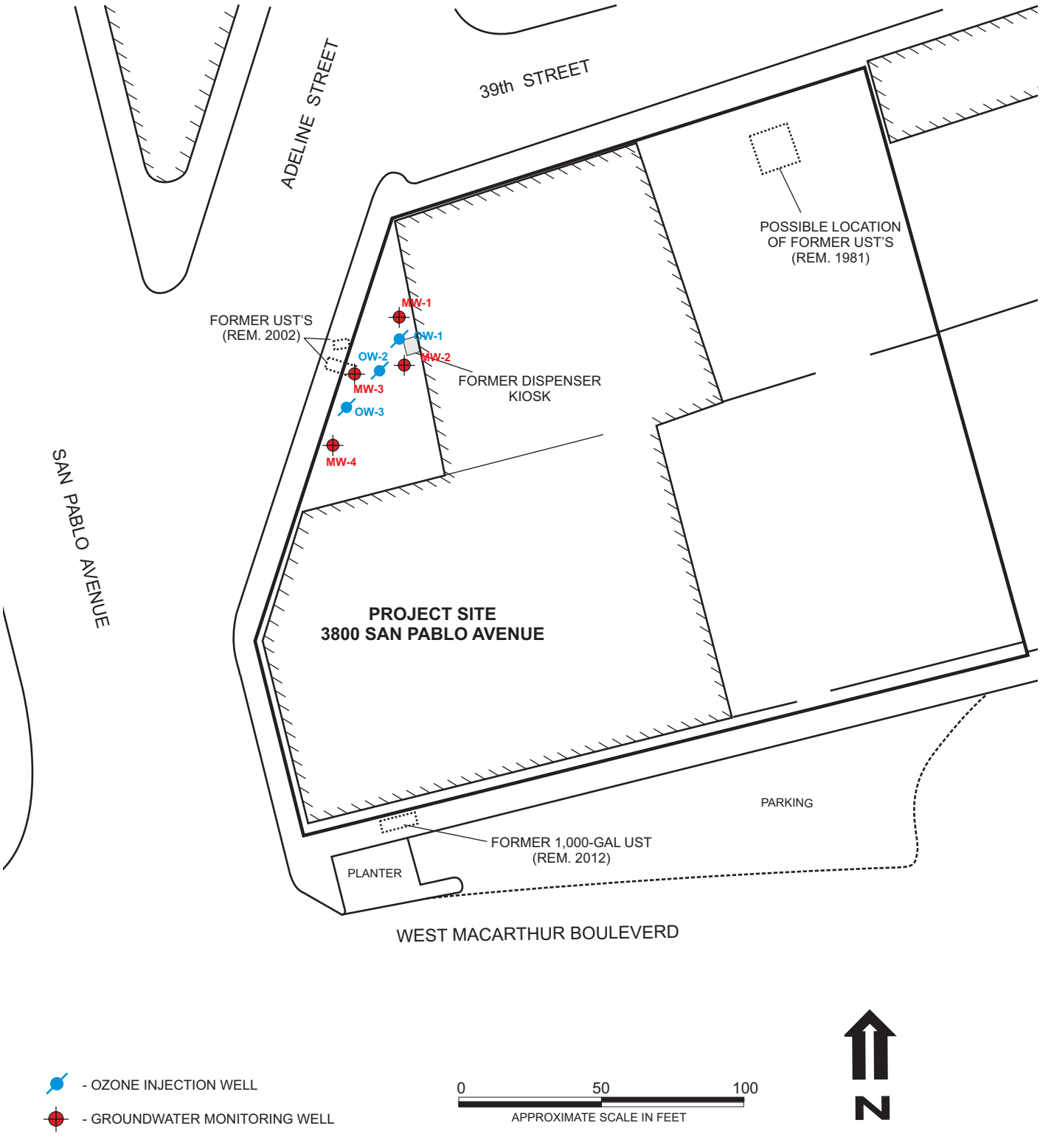
ESL = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, Februry 2016, Table GW-3, Groundwater Vapor Intruson Human Health Risk Levels, Shallow Groundwater, Residential Scenario

NL = Not Listed

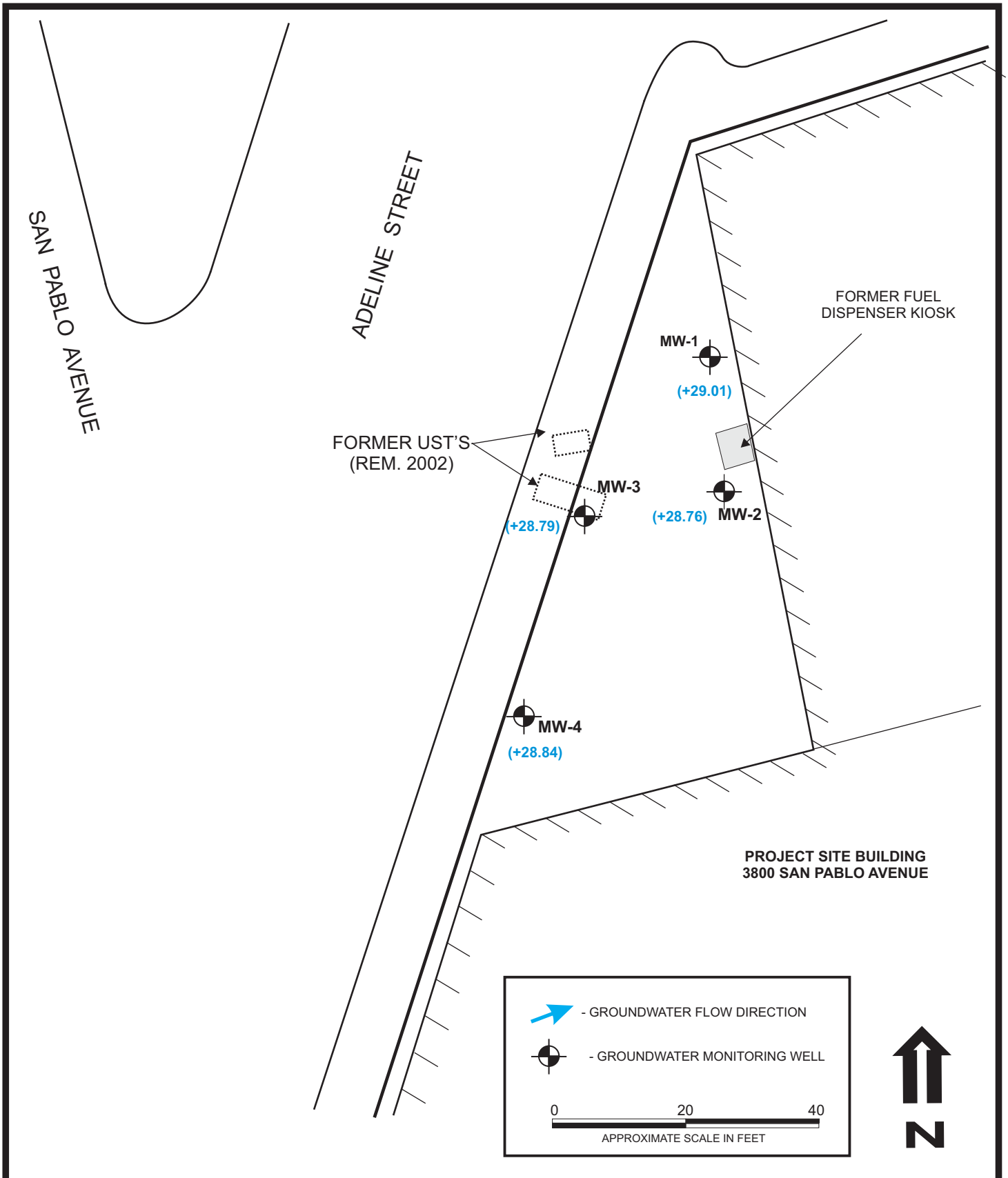
FIGURES



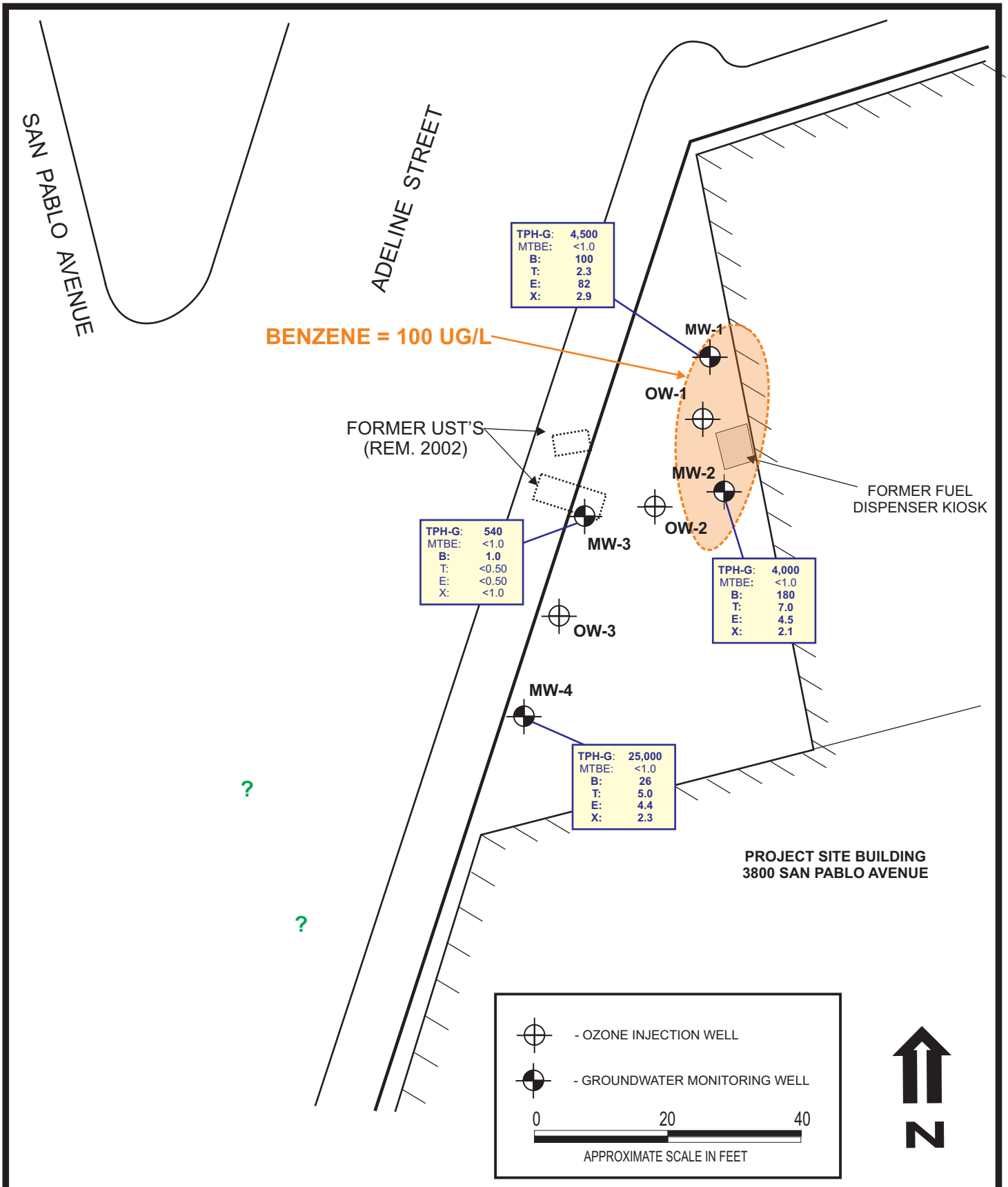
DESIGNED BY:	CHECKED BY: JG	**SITE VICINITY MAP**	DATE: 08/04/2017	FIGURE: **1**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**SITE PLAN**	DATE: 08/04/2017	FIGURE: **2**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER ELEVATION GRADIENT - 07/24/2017**	DATE: 08/04/2017	FIGURE: **3**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		



DESIGNED BY:	CHECKED BY: JG	**GROUNDWATER HYDROCARBON CONCENTRATIONS -07/24/2017**	DATE: 08/04/2017	FIGURE: **4**
DRAWN BY: MR	SCALE:			
PROJECT NO:		3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA		

ATTACHMENT A

GROUNDWATER MONITORING
FIELD DATA RECORDS

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE

Project Name: MAZ GLASS

Sampling Personnel: MTZ

Date: 7/24/2012

Weather Conditions: clear, mild

Well ID: MW-1

Casing Diameter (inches): 2.0

Total Depth (feet): 22.7

Depth to Water: 9.95

Depth to Free Product: —

Water Column (ft): 12.75

Product Thickness: 0

One Well Volume (gal): 2.17

3x Well Volume (gal): 6.5

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*
1337							
1340	2	18.03	945	0.54	6.91	-96.4	
1343	4	17.89	954	0.66	6.84	-92.7	
1346	6	17.90	951	0.64	6.83	-90.4	
1347	7	17.91	947	0.63	6.85	-90.8	

SAMPLE OBSERVATIONS

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

Sample Time: 1350

Sampler's Signature: MTZ

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE

Project Name: MAZ GLASS

Sampling Personnel: MJK

Date: 7/14/2012

Weather Conditions: Clear, mild

Well ID: MW-2

Casing Diameter (inches): 2.0

Total Depth (feet): 22.8

Depth to Water: 10.20

Depth to Free Product: —

Water Column (ft): 12.60

Product Thickness: 0

One Well Volume (gal): 2.14

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		

FIELD PARAMETERS

Time	*Volume Purged*	*Temp. (F or C)*	*E.C. (µS/cm)*	*D.O. (mg/L)*	*pH*	*ORP (mV)*	*Comments*
1512							
1514	2	18.02	1.16	0.93	6.86	-126.7	
1516	4	17.82	1.16	0.66	6.83	-119.6	
1518	6	17.79	1.19	0.65	6.77	-109.7	Dry @ 6 gal.
	7						

SAMPLE OBSERVATIONS

Characteristic	*None*	*Slight*	*Moderate*	*Strong*	*Comments*
Color		X			lt. gray
Odor		X			
Turbidity		X			
Sheen	X				
Other:					

Sample Time: 1520

Sampler's Signature: MJK

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE

Project Name: MAZ GLASS

Sampling Personnel: MAZ

Date: 7/24/2017

Weather Conditions: clear, mild

Well ID: MW-3

Casing Diameter (inches): 2.0

Total Depth (feet): 22.8

Depth to Water: 10.05

Depth to Free Product: —

Water Column (ft): 12.75

Product Thickness: 0

One Well Volume (gal): 2.17

3x Well Volume (gal): 6.5

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*
1424							
1427	2	18.77	1.10	1.21	7.05	-51.7	
1430	4	18.72	1.16	0.69	7.01	-40.0	
1433	6	18.48	1.17	0.45	6.90	-39.7	
1434	7	18.45	1.19	0.43	6.89	-44.0	

SAMPLE OBSERVATIONS

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

Sample Time: 1435

Sampler's Signature: MAZ

Groundwater Monitoring Field Sheet

Client Name: SAN PABLO AVENUE VENTURE
Project Name: MAZ GLASS
Sampling Personnel: MSR
Date: 7/24/2017
Weather Conditions: Clear, mild

Well ID: MW-4
Casing Diameter (inches): 2.0
Total Depth (feet): 22.8
Depth to Water: 9.64
Depth to Free Product: ∅
Water Column (ft): 13.16
Product Thickness: ∅
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*
1252							
1254	2	18.66	965	1.47	7.02	-110.7	
1255	4	18.04	978	1.09	6.95	-107.9	
1257	6	17.82	964	0.84	6.85	-101.3	
1258	7	17.84	958	0.71	6.86	-96.6	

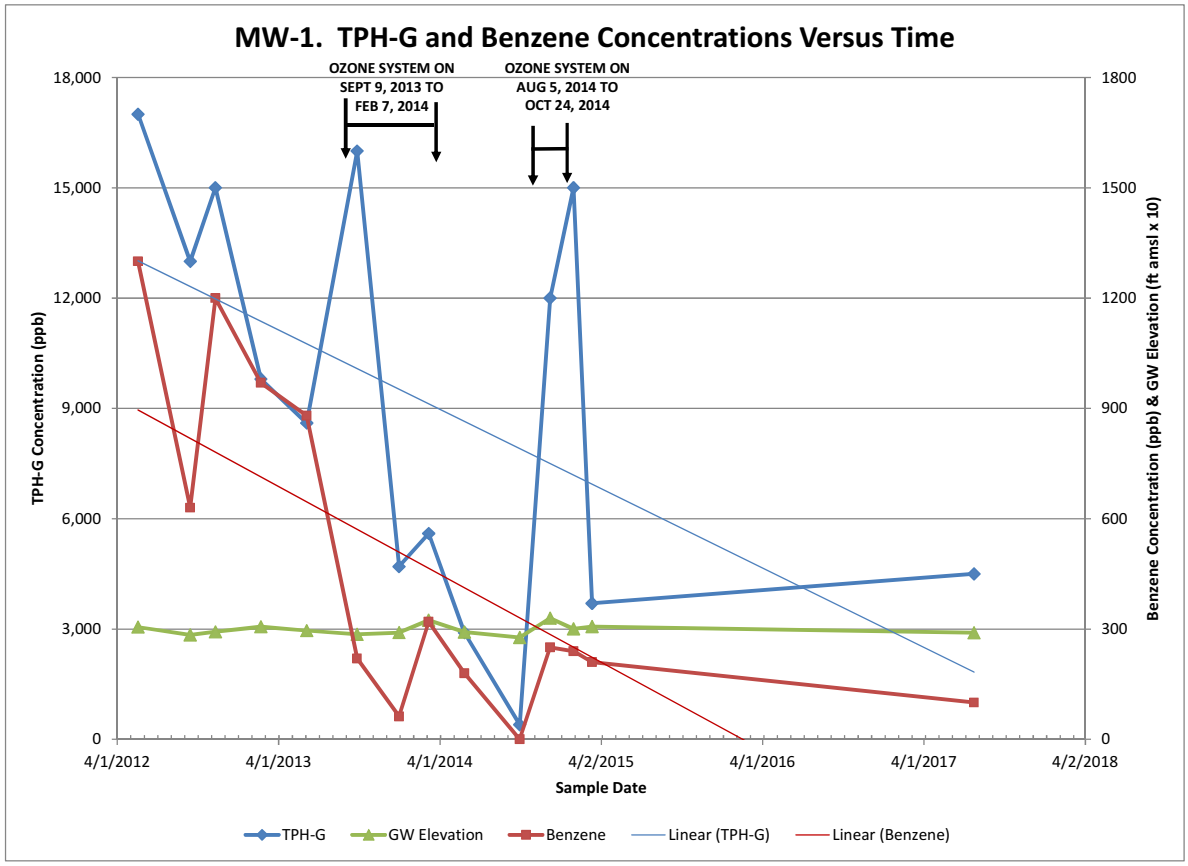
SAMPLE OBSERVATIONS

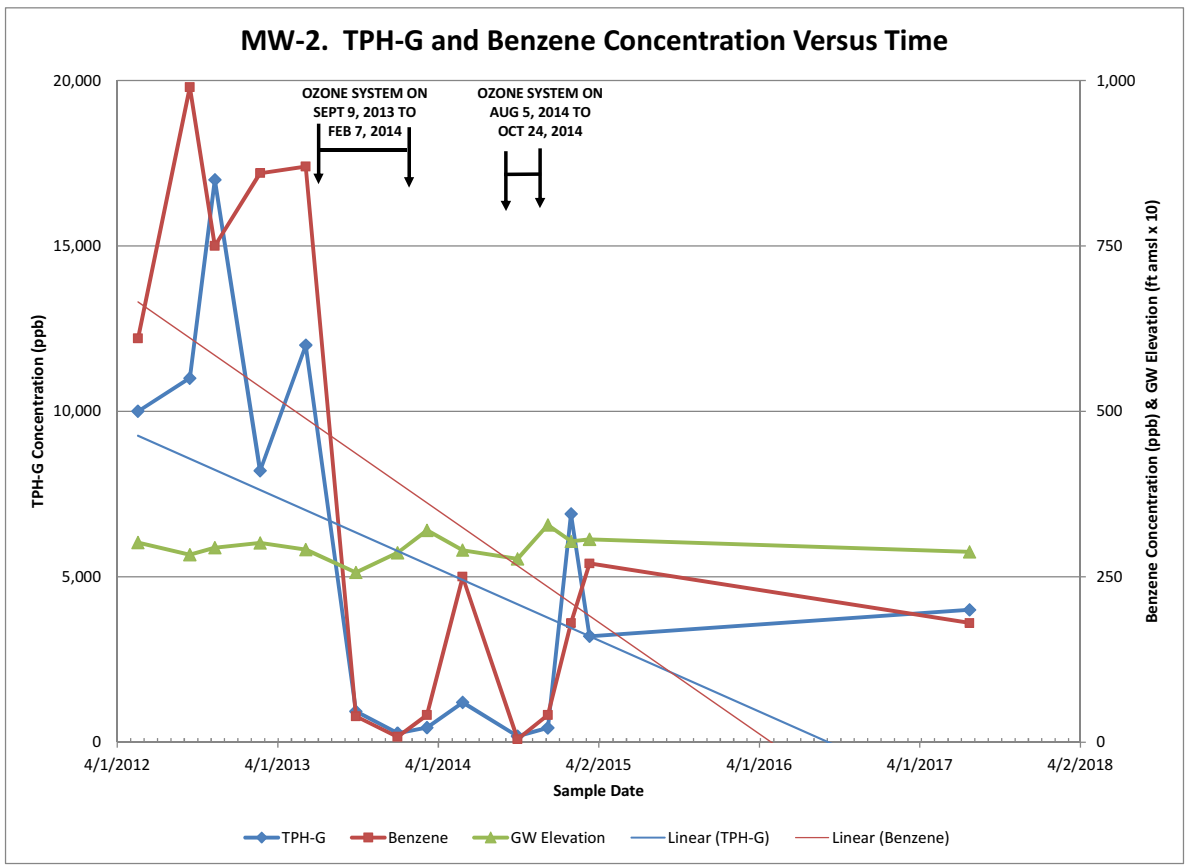
Characteristic	*None*	*Slight*	*Moderate*	*Strong*	*Comments*
Color		X			grey
Odor		X			HC
Turbidity		X			
Sheen	X				
Other:					

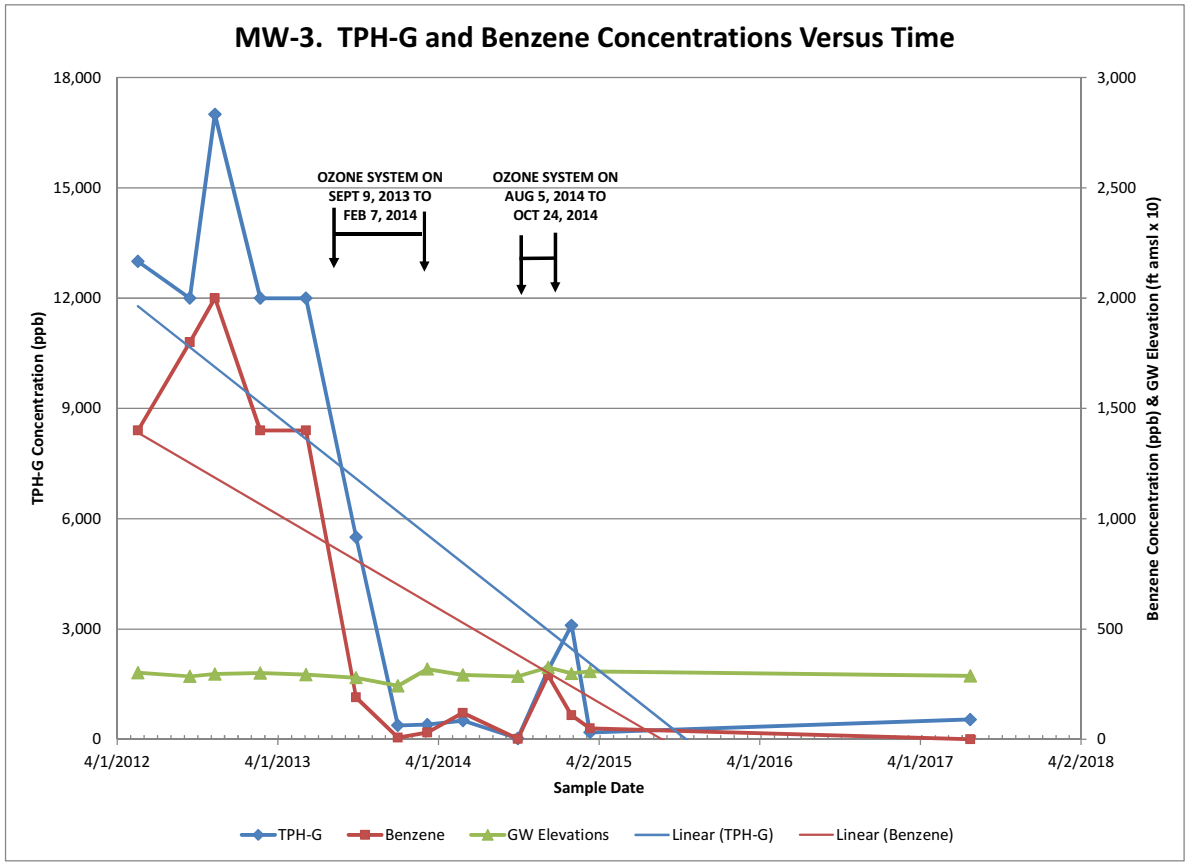
Sample Time: 1300
Sampler's Signature: MSR

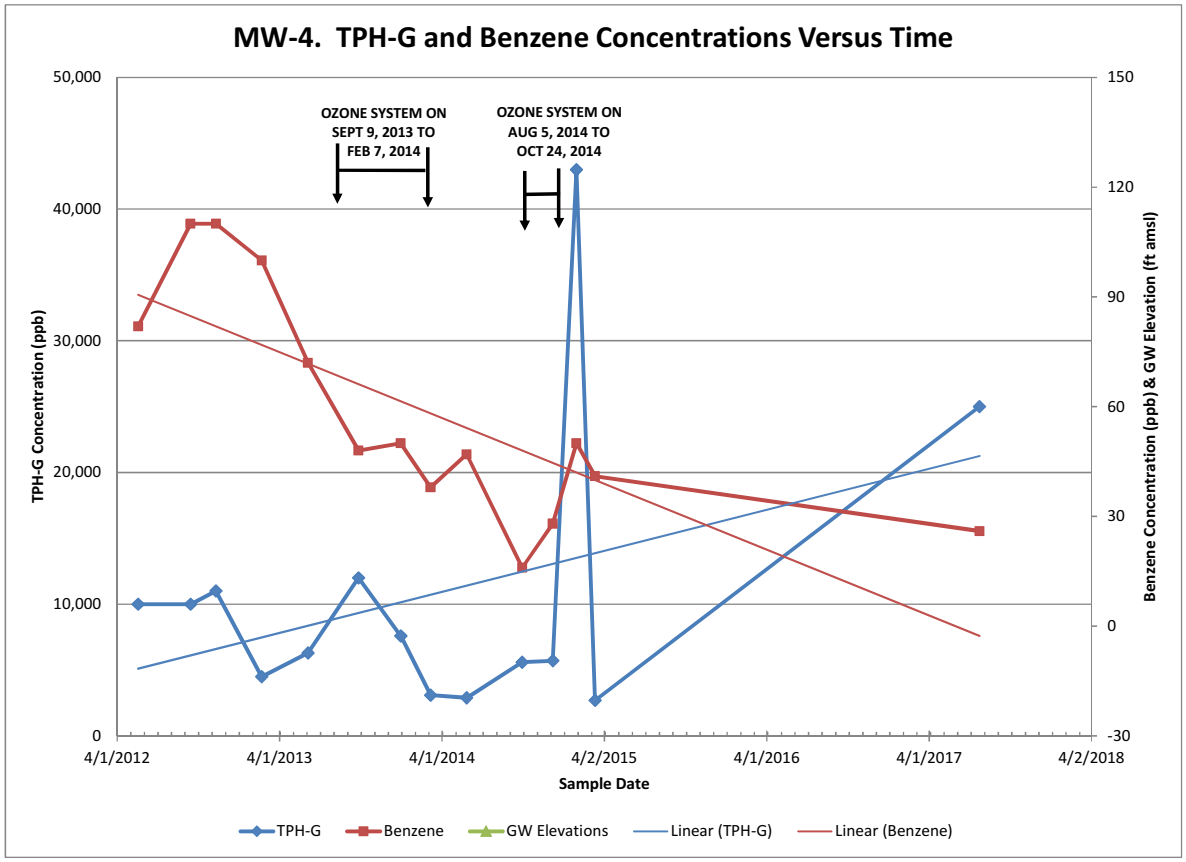
ATTACHMENT B

GROUNDWATER HYDROCARBON CONCENTRATION TREND GRAPHS


MW-1. TPH-G and Benzene Concentrations Versus Time
OZONE SYSTEM ON SEPT 9, 2013 TO FEB 7, 2014
OZONE SYSTEM ON AUG 5, 2014 TO OCT 24, 2014
TPH-G Concentration (ppb)
Benzene Concentration (ppb) & GW Elevation (ft amsl x 10)
18,000
15,000
12,000
9,000
6,000
3,000
0
1800
1500
1200
900
600
300
0
4/1/2012
4/1/2013
4/1/2014
4/2/2015
4/1/2016
4/1/2017
4/2/2018
Sample Date
TPH-G
GW Elevation
Benzene
Linear (TPH-G)
Linear (Benzene)


MW-2. TPH-G and Benzene Concentration Versus Time
OZONE SYSTEM ON SEPT 9, 2013 TO FEB 7, 2014
OZONE SYSTEM ON AUG 5, 2014 TO OCT 24, 2014
TPH-G Concentration (ppb)
Benzene Concentration (ppb) & GW Elevation (ft amsl x 10)
20,000
15,000
10,000
5,000
0
1,000
750
500
250
0
4/1/2012
4/1/2013
4/1/2014
4/2/2015
4/1/2016
4/1/2017
4/2/2018
Sample Date
TPH-G
Benzene
GW Elevation
Linear (TPH-G)
Linear (Benzene)


MW-3. TPH-G and Benzene Concentrations Versus Time
OZONE SYSTEM ON SEPT 9, 2013 TO FEB 7, 2014
OZONE SYSTEM ON AUG 5, 2014 TO OCT 24, 2014
TPH-G Concentration (ppb)
Benzene Concentration (ppb) & GW Elevation (ft amsl x 10)
Sample Date
TPH-G
Benzene
GW Elevations
Linear (TPH-G)
Linear (Benzene)


MW-4. TPH-G and Benzene Concentrations Versus Time
OZONE SYSTEM ON SEPT 9, 2013 TO FEB 7, 2014
OZONE SYSTEM ON AUG 5, 2014 TO OCT 24, 2014
TPH-G Concentration (ppb)
Benzene Concentration (ppb) & GW Elevation (ft amsl)
Sample Date
TPH-G
Benzene
GW Elevations
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

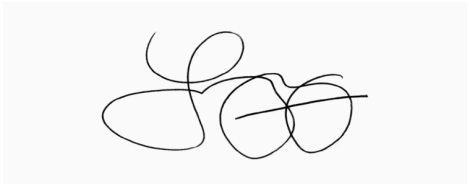
31 July 2017

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 07/26/17 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Nguyen
Project Manager Assistant

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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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	07/31/17 13:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T171947-01	Water	07/24/17 13:50	07/26/17 09:45
MW-2	T171947-02	Water	07/24/17 15:00	07/26/17 09:45
MW-3	T171947-03	Water	07/24/17 14:35	07/26/17 09:45
MW-4	T171947-04	Water	07/24/17 13:00	07/26/17 09:45

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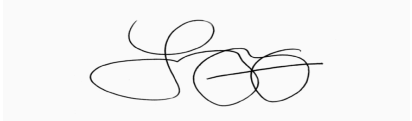

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Lisa Nguyen, Project Manager Assistant

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	07/31/17 13:21

DETECTIONS SUMMARY

Sample ID: MW-1 **Laboratory ID:** T171947-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**9.9**	1.0	ug/l	EPA 8260B	
Benzene	**100**	0.50	ug/l	EPA 8260B	
Toluene	**2.3**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**82**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**2.9**	1.0	ug/l	EPA 8260B	
C6-C12 (GRO)	**4500**	50	ug/l	EPA 8260B	

Sample ID: MW-2 **Laboratory ID:** T171947-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**1.2**	1.0	ug/l	EPA 8260B	
Benzene	**180**	5.0	ug/l	EPA 8260B	
Toluene	**7.0**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**4.5**	0.50	ug/l	EPA 8260B	
m,p-Xylene	**2.1**	1.0	ug/l	EPA 8260B	
C6-C12 (GRO)	**4000**	500	ug/l	EPA 8260B	

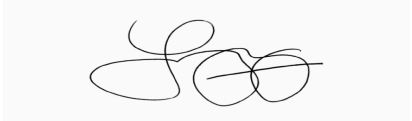
Sample ID: MW-3 **Laboratory ID:** T171947-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**1.0**	0.50	ug/l	EPA 8260B	
C6-C12 (GRO)	**540**	50	ug/l	EPA 8260B	

Sample ID: MW-4 **Laboratory ID:** T171947-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Naphthalene	**1.9**	1.0	ug/l	EPA 8260B	
Benzene	**26**	0.50	ug/l	EPA 8260B	
Toluene	**5.0**	0.50	ug/l	EPA 8260B	
Ethylbenzene	**4.4**	0.50	ug/l	EPA 8260B	

SunStar Laboratories, Inc.



Lisa Nguyen, Project Manager Assistant

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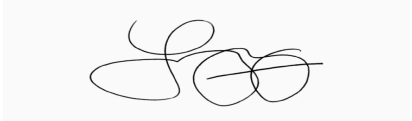
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	07/31/17 13:21

Sample ID: MW-4 **Laboratory ID:** T171947-04

Analyte	Result	Reporting Limit	Units	Method	Notes
m,p-Xylene	**2.3**	1.0	ug/l	EPA 8260B	
C6-C12 (GRO)	**25000**	500	ug/l	EPA 8260B	

SunStar Laboratories, Inc.



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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	07/31/17 13:21

MW-1

T171947-01 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**9.9**	1.0	ug/l	1	7072621	07/26/17	07/27/17	EPA 8260B	
Benzene	**100**	0.50	"	"	"	"	"	"	
Toluene	**2.3**	0.50	"	"	"	"	"	"	
Ethylbenzene	**82**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.9**	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)	**4500**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*146 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*73.4 %*	*81-136*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*117 %*	*88.8-117*		"	"	"	"	

SunStar Laboratories, Inc.

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Lisa Nguyen, Project Manager Assistant

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	07/31/17 13:21

MW-2

T171947-02 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**1.2**	1.0	ug/l	1	7072621	07/26/17	07/27/17	EPA 8260B	
Benzene	**180**	5.0	"	10	"	"	"	"	
Toluene	**7.0**	0.50	"	1	"	"	"	"	
Ethylbenzene	**4.5**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.1**	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)	**4000**	500	"	10	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*132 %*	*83.5-119*		*"*	*"*	*"*	*"*	*S-GC*
Surrogate: Dibromofluoromethane		*69.1 %*	*81-136*		*"*	*"*	*"*	*"*	*S-GC*
Surrogate: Toluene-d8		*112 %*	*88.8-117*		*"*	*"*	*"*	*"*	

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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	07/31/17 13:21

MW-3

T171947-03 (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	7072621	07/26/17	07/28/17	EPA 8260B	
Benzene	**1.0**	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)	**540**	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.9 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*88.8-117*		"	"	"	"	

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Lake Forest, California 92630
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949.297.5027 Fax

Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	07/31/17 13:21

MW-4

T171947-04 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Naphthalene	**1.9**	1.0	ug/l	1	7072621	07/26/17	07/27/17	EPA 8260B	
Benzene	**26**	0.50	"	"	"	"	"	"	
Toluene	**5.0**	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.4**	0.50	"	"	"	"	"	"	
m,p-Xylene	**2.3**	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)	**25000**	500	"	10	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*160 %*	*83.5-119*		"	"	"	"	*S-GC*
Surrogate: Dibromofluoromethane		*68.0 %*	*81-136*		"	"	"	"	*S-GC*
Surrogate: Toluene-d8		*146 %*	*88.8-117*		"	"	"	"	*S-GC*

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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	07/31/17 13:21

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 7072621 - EPA 5030 GCMS										
Blank (7072621-BLK1)				Prepared: 07/26/17 Analyzed: 07/27/17						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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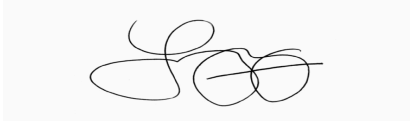

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Lisa Nguyen, Project Manager Assistant

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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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	07/31/17 13:21

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 7072621 - EPA 5030 GCMS										
Blank (7072621-BLK1)				Prepared: 07/26/17 Analyzed: 07/27/17						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: 4-Bromofluorobenzene	*7.00*		*"*	*8.00*		*87.5*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.86*		*"*	*8.00*		*98.2*	*81-136*			
Surrogate: Toluene-d8	*8.75*		*"*	*8.00*		*109*	*88.8-117*			

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Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	07/31/17 13:21

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 7072621 - EPA 5030 GCMS										
LCS (7072621-BS1)				Prepared: 07/26/17 Analyzed: 07/27/17						
Chlorobenzene	23.1	1.0	ug/l	20.0		115	75-125			
1,1-Dichloroethene	23.6	1.0	"	20.0		118	75-125			
Trichloroethene	23.8	1.0	"	20.0		119	75-125			
Benzene	23.2	0.50	"	20.0		116	75-125			
Toluene	23.2	0.50	"	20.0		116	75-125			
Surrogate: 4-Bromofluorobenzene	*8.37*		"	*8.00*		*105*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.36*		"	*8.00*		*92.0*	*81-136*			
Surrogate: Toluene-d8	*8.04*		"	*8.00*		*100*	*88.8-117*			
LCS Dup (7072621-BSD1)				Prepared: 07/26/17 Analyzed: 07/27/17						
Chlorobenzene	23.6	1.0	ug/l	20.0		118	75-125	2.48	20	
1,1-Dichloroethene	23.9	1.0	"	20.0		120	75-125	1.64	20	
Trichloroethene	23.6	1.0	"	20.0		118	75-125	0.845	20	
Benzene	23.4	0.50	"	20.0		117	75-125	0.729	20	
Toluene	23.1	0.50	"	20.0		115	75-125	0.346	20	
Surrogate: 4-Bromofluorobenzene	*8.54*		"	*8.00*		*107*	*83.5-119*			
Surrogate: Dibromofluoromethane	*6.69*		"	*8.00*		*83.6*	*81-136*			
Surrogate: Toluene-d8	*8.13*		"	*8.00*		*102*	*88.8-117*			

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SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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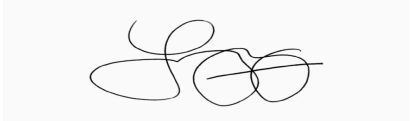
Gribi Associates	Project: Maz Glass	
1090 Adam Street, Suite K	Project Number: [none]	**Reported:**
Benicia CA, 94510	Project Manager: Jim Gribi	07/31/17 13:21

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
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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Lisa Nguyen, Project Manager Assistant

T171947

SUNSTAR LABORATORIES

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CHAIN OF CUSTODY RECORD

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

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

Report To: James Gribi Bill To:

Company: Gribi Associates

1090 Adams Street, Suite K

Benicia, CA 94510 E-Mail:

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

Client Name: San Pablo Avenue Ventures Global ID: T06019788682

Project Name: Maz Glass

Sampler Signature:

	SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other
01	MW-1		7/24	1350	4	voa	X					X	X		
02	MW-2			1520	4	voa	X					X	X		
03	MW-3			1435	4	voa	X					X	X		
04	MW-4		↓	1300	4	voa	X					X	X		

Analysis Request

TPH-Gas, BTEX, MTBE (8015M/8021B)	TPH-Gas (8015M)	TPH-Diesel (8015M)	TPH-Motor Oil (8015M)	TPH-Gas, BTEX, MTBE (8260B)	TPH-Gas, BTEX, 5 Oxygenates (8260B)	TPH-Gas, BTEX, 7 Oxygenates (8260B)	5 Oxygenates (8260B)	Lead Scavengers [1,2 DCA & 1,2 EDB] (8260B)	VOC's – Full List (8260B)	Halogenated VOC's (8260B)	SVOC's (8270)	Naphthalene (8260B)	Other	Comments
					X							X		Filter Samples for Metals analysis: Yes / No
					X							X		
					X							X		
					X							X		

Relinquished By:	Date:	Time:	Received By:	
	7/25/17	1000	Ed Stevens	7/25/17 1000
Relinquished By: GSO	Date: 7-26-17	Time: 945	Received By:	
Relinquished By:	Date:	Time:	Received By:	

ICE/t° 3.4°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER
PRESERVATION pH<2

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SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T171947

Client Name: Gribi Project: Maz Glass

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

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Dan M. Date/Time Lab Received: 7-26-17 945

Total number of coolers received: 1

Temperature: Cooler #1	3.6	°C +/- the CF (- 0.2°C) =	3.4	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature

Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☒**Yes** ☐**No**
If NO:		
Samples received on ice?	☐Yes	☐**No → Complete Non-Conformance Sheet**
If on ice, samples received same day collected?	☐Yes → Acceptable	☐**No → Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☒Yes	☐No*	☐N/A
Sample containers intact	☐Yes	☒No*	
Sample labels match Chain of Custody IDs	☒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 7-26-17

Comments:

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SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T171947

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

Comments:

One VOA for sample 04 on COC (MW-4) arrived broken.

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

Fraction													Preser.
VOA													

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