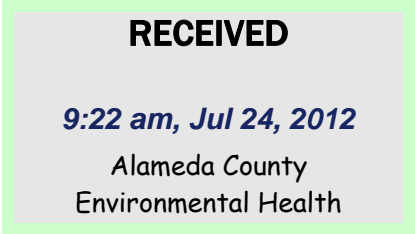


July 20, 2012

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



Attention: Barbara Jakub

Subject: First Semi-Annual 2012 Groundwater Monitoring Report
St. Francis Pie Shop UST Site, 1125 67th Street Oakland, California
ACDEH Site No. RO2602, Global ID: T0600109444

Ladies and Gentlemen:

Attached please find a copy of the *First Semi-Annual 2012 Groundwater Monitoring Report, 1125 67th Street, Oakland, California*, 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,

A handwritten signature in black ink, appearing to read "John Buschini, Jr." with a stylized flourish at the end.

John Buschini, Jr.
830 Hawthorne Drive
Walnut Creek, CA 94596



July 20, 2012

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

Attention: Barbara Jakub

Subject: First Semi-Annual 2012 Groundwater Monitoring Report
1125 67th Street Oakland, Ca
ACDEH Site No. RO2602, Geotracker Global ID: T0600109444

Ladies and Gentlemen:

Gribi Associates is pleased to submit this First Semi-Annual 2012 Groundwater Monitoring Report on behalf of St. Francis Pie Shop for the underground storage tank (UST) site located at 1125 67th Street in Oakland, California (see Figure 1 and Figure 2). This letter report documents the monitoring and sampling of five site wells on May 2, 2012.

DESCRIPTION OF SAMPLING ACTIVITIES

1. Gribi Associates personnel conducted groundwater monitoring and sampling activities for five of site wells (MW-1, MW-2, MW-3, MW-4, and MW-5) on May 2, 2012.
2. Groundwater monitoring and sampling was conducted in accordance with California LUFT Field Manual, including the following:
 - a. Measuring static water levels;
 - b. Checking for presence of free-product; and
 - c. and purging of approximately three well volumes while recording of temperature, pH, electroconductivity, 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 4.95 feet (MW-2) to 8.22 feet (MW-5).
2. Groundwater elevations ranged from 35.53 feet above means sea level (msl) (MW-5) to 39.43 feet msl (MW-1).
3. Groundwater flow direction is variable, generally trending to the west-southwest.
4. Groundwater elevations and gradient contours are shown on Figure 3.

Laboratory Analytical Results

1. Groundwater samples from the five 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, Xylenes (BTEX)
 - c. USEPA 8260B Oxygenates (TBA, MTBE, DIPE, ETBE, and TAME)
2. Groundwater hydrocarbon results for this monitoring event are summarized in Table 1.
3. Groundwater hydrocarbon results for this monitoring event are summarized on Figure 4.
4. The laboratory analytical data report and chain-of custody are provided as Attachment B.

CONCLUSIONS

1. Results of this monitoring event indicate primarily a single groundwater MTBE/TBA plume located in the vicinity of MW-1 and MW-2.
 - a. The MTBE/TBA groundwater plume is concentrated below the former underground storage tank, fuel dispenser, and conveyance piping locations.
 - b. The groundwater MTBE/TBA groundwater plume does not appear to be migrating significantly in a downgradient direction.
 - c. Groundwater MTBE concentrations in source area wells MW-1 and MW-2 seem to be trending downward over time, indicating natural attenuation of the MTBE.

PLANNED ACTIVITIES

1. Gribi Associates installed ozone injection wells and vapor wells at the site in June 2012. Installation and start-up of the ozone injection remediation pilot test is expected to occur during ealy August 2012.
2. Gribi Associates plans to conduct monthly groundwater monitoring during the initial startup of ozone remediation activities. A formal semi-annual groundwater monitoring event will be conducted during the fourth quarter of 2012.



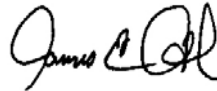
Alameda County Department of
Environmental Health
July 20, 2012
Page 3

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

Very truly yours,



Matthew A. Rosman
Project Engineer



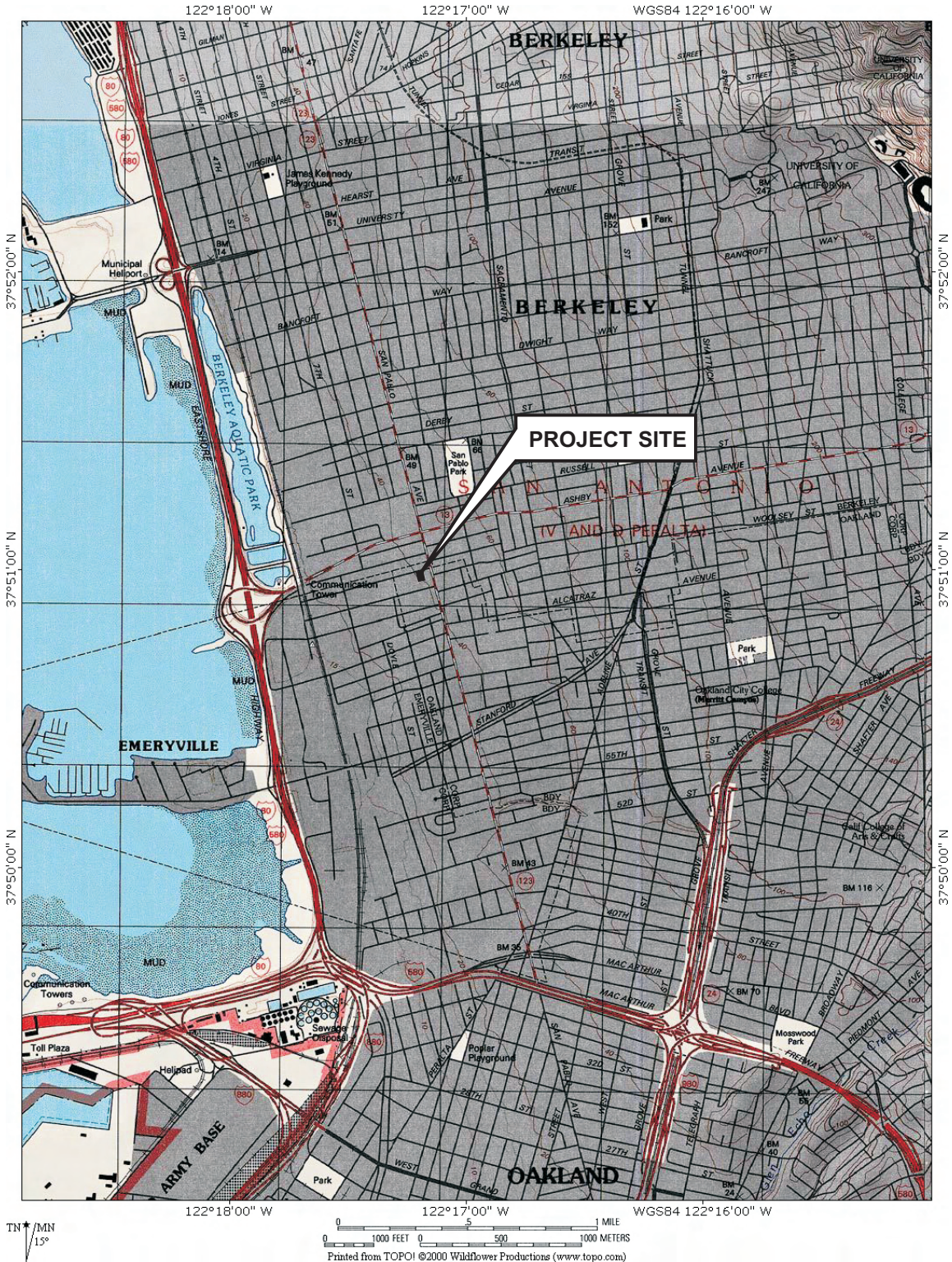
James E. Gribi
Professional Geologist
California No. 5843



Enclosure

cc: Mr. John Buschini, Jr.

FIGURES



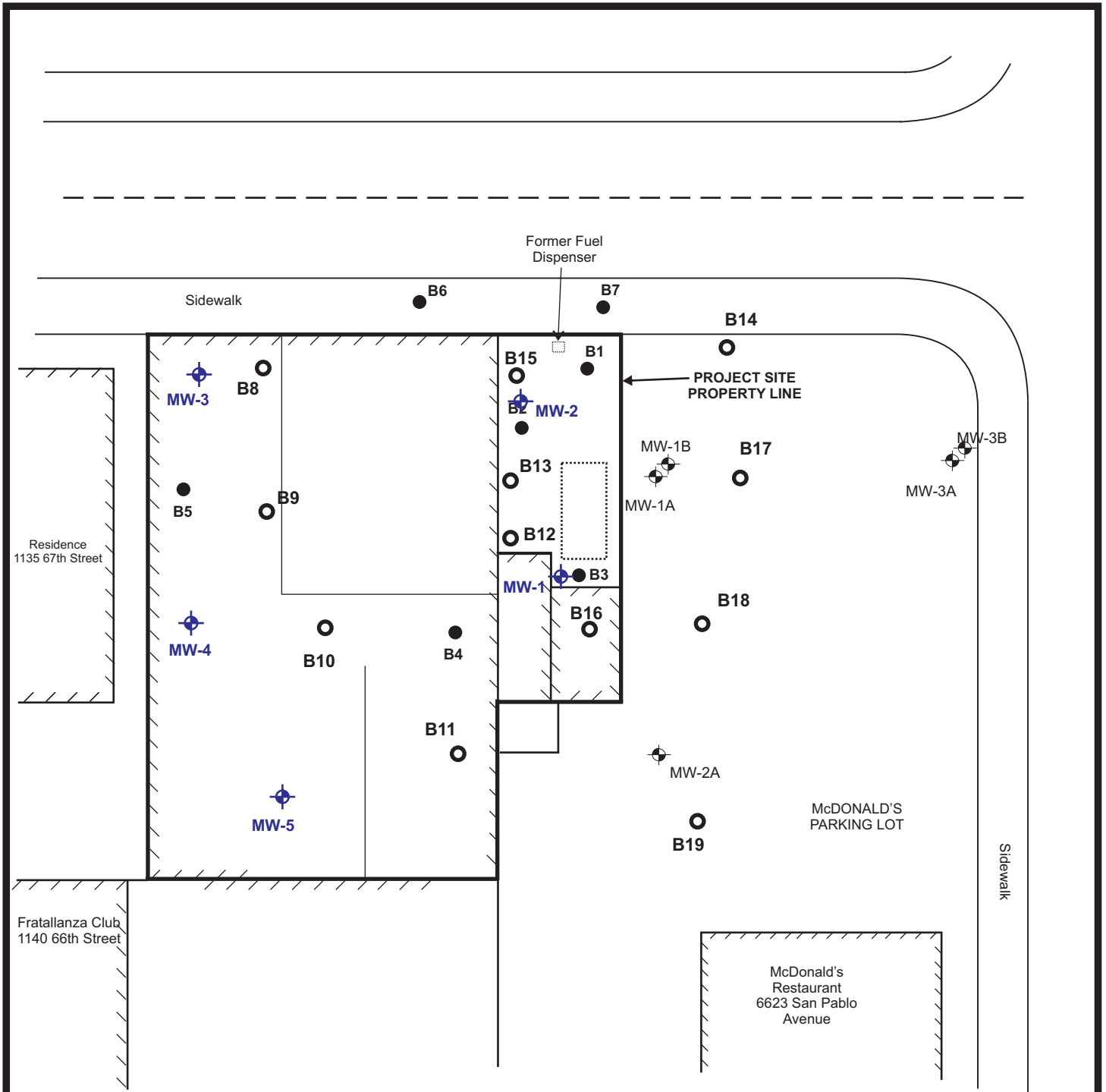
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PROJECT NO:	

SITE VICINITY MAP

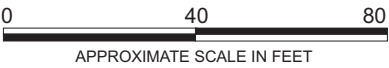
ST. FRANCIS PIE SHOP UST SITE
1125 67TH STREET
OAKLAND, CALIFORNIA


DATE: 07/20/2012 FIGURE: 1

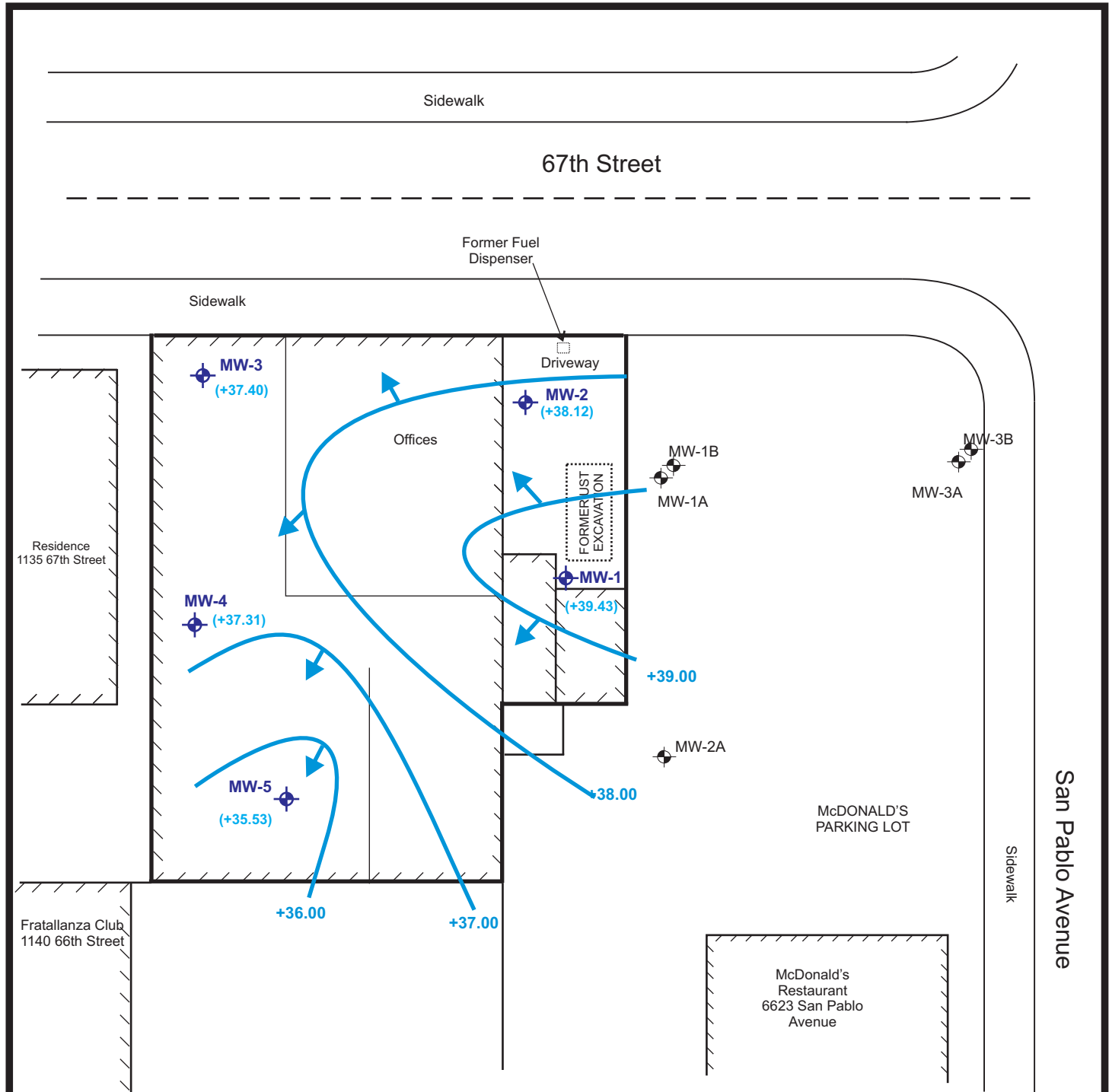






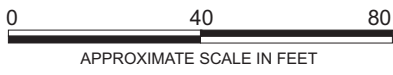
- - SOIL BORING LOCATION (GRIBI ASSOCIATES, 10/2006)
- ⊕ - GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).
- - SOIL BORING LOCATION (TEC ACCUTITE, 10/2005)
- ⊕ - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)




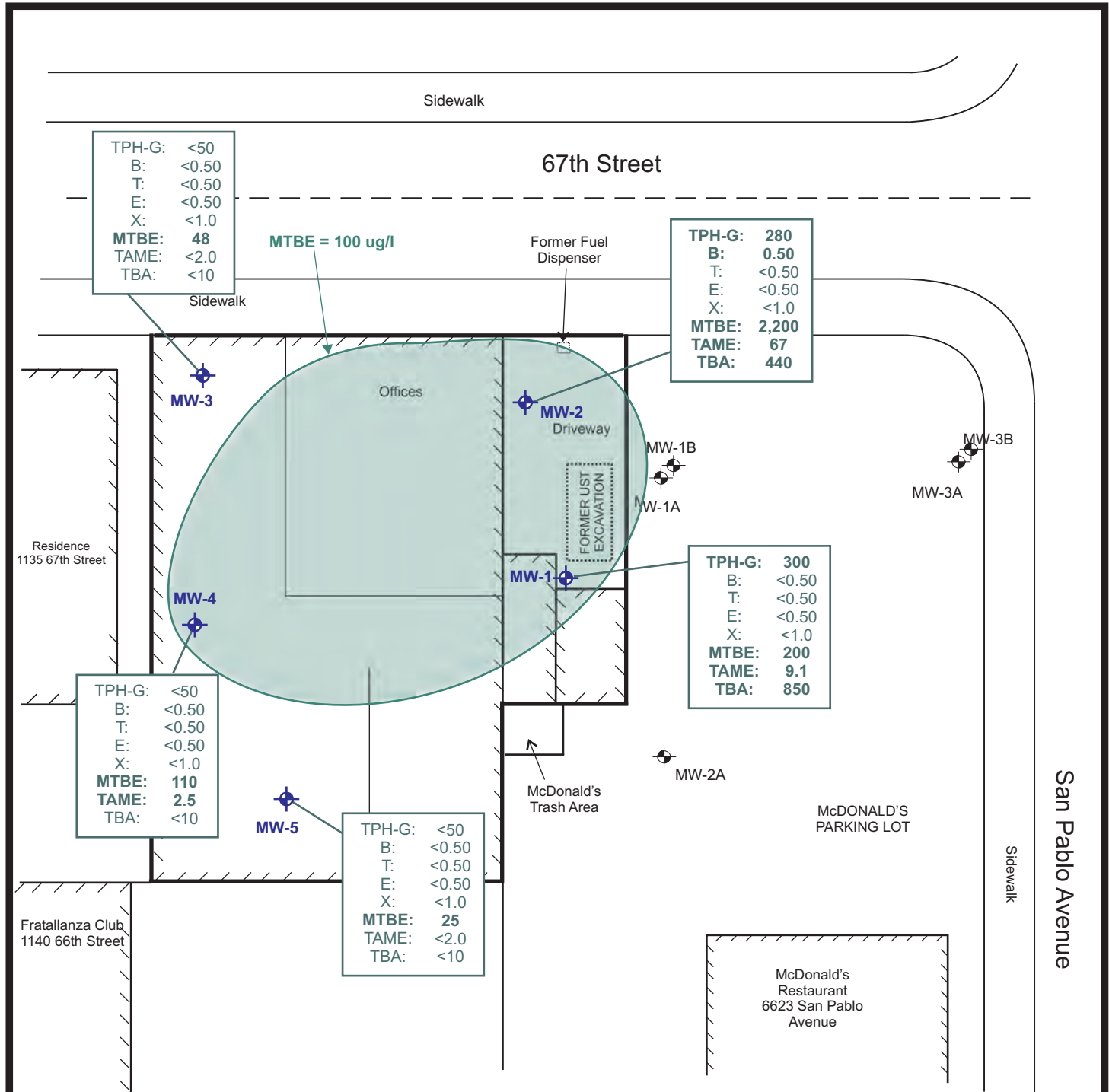
DESIGNED BY:	CHECKED BY: JEG	SITE PLAN ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 07/20/2012	FIGURE: 2
DRAWN BY: JEG	SCALE:			
PROJECT NO:				





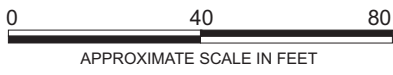
-  - GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).
-  - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)




DESIGNED BY:	CHECKED BY: JEG	GROUNDWATER ELEVATION GRADIENT- 05/02/2012 ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 07/20/2012	FIGURE: 3
DRAWN BY: JEG	SCALE:			
PROJECT NO:				



 - GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).
 - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)



DESIGNED BY:	CHECKED BY: JEG	GROUNDWATER HYDROCARBON RESULTS - 05/02/2012 ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 07/20/2012	FIGURE: 4
DRAWN BY: JEG	SCALE:			
PROJECT NO:				

TABLE

Table 1
Groundwater Laboratory Analytical Results
 St. Francis Pie Shop UST Site

Well ID	Date	GW Depth	GW Elev.	Concentration (micrograms per liter, ug/l)						
				TPH-G	B	T	E	X	MTBE	Oxygenates
MW-1	03/08/2007	4.86	39.54	130	<0.50	<0.50	<0.50	<1.0	5,800	TAME=220 TBA=2,500
<44.40>	05/31/2007	6.38	38.02	250	<0.50	<0.50	<0.50	<1.0	6,300	TAME=260 TBA=180
	09/07/2007	6.65	37.75	100	<0.50	<0.50	<0.50	<1.0	3,100	TAME=140 TBA=84
	11/20/2007	6.28	38.12	380	3.0	1.4	2.6	9.4	1,400	TAME=42 TBA=24
	02/29/2008	4.89	39.51	270	<0.50	<0.50	<0.50	<1.0	770	TAME=36 TBA=87
	05/29/2008	7.12	37.28	350	<0.50	<0.50	<0.50	<1.0	1,900	TAME=88 TBA=390
	09/18/2008	7.20	37.20	<50	<0.50	<0.50	0.87	1.5	2,600	TAME=37
	12/02/2008	6.81	37.59	840	<0.50	<0.50	<0.50	<1.0	2,600	TAME=88
	02/27/2009	4.55	39.85	770	0.70	<0.50	0.55	<1.0	760	TAME=51 TBA=590
	09/28/2009	7.11	37.29	470	<0.50	<0.50	<0.50	<1.0	310	TAME=10 TBA=92
	12/04/2009	7.12	37.28	290	<0.50	<0.50	<0.50	<1.0	620	TAME=15
	05/21/2010	5.94	38.46	300	<0.50	<0.50	<0.50	<1.0	1,700	TAME=56 TBA=1,700
	10/26/2010	6.76	37.64	300	<0.50	<0.50	<0.50	<1.0	1,500	TAME=15 TBA=1,300
	06/17/2011	5.69	38.71	<50	<0.50	<0.50	<0.50	<1.0	530	TAME=20 TBA=630
	12/01/2011	5.91	38.49	<50	<0.50	<0.50	<0.50	<1.0	390	TAME=21 TBA=240
	05/02/2012	4.97	39.43	300	<0.50	<0.50	<0.50	<1.0	200	TAME=9.1 TBA=850
MW-2	03/08/2007	4.99	38.08	210	5.6	<0.50	4.8	<1.0	2,000	TAME=40 TBA=1,400
<43.07>	05/31/2007	6.58	36.49	240	14	<0.50	5.2	<1.0	2,300	TAME=56 TBA=110
	09/07/2007	6.45	36.62	<50	<0.50	<0.50	<0.50	<1.0	<1.0	ND
	11/20/2007	5.95	37.12	1,500	15	0.63	10	3.76	2,100	TAME=43 TBA=47
	02/29/2008	4.39	38.68	510	4.4	<0.50	2.8	<1.0	1,600	TAME=45 TBA=150
	05/29/2008	6.47	36.60	350	1.5	<0.50	0.54	<1.0	2,600	TAME=55 TBA=110
	09/18/2008	6.80	36.27	<50	<0.50	<0.50	<0.50	<1.0	2,400	TAME=60
	12/02/2008	6.26	36.81	1,500	5.6	<0.50	2.0	1.6	4,900	TAME=140
	02/27/2009	3.72	39.35	1,400	4.4	0.94	2.1	4.69	2,800	TAME=65 TBA=190
	09/28/2009	6.53	36.54	850	0.65	<0.50	<0.50	<1.0	3,400	TAME=82 TBA=280
	12/04/2009	6.35	36.72	460	2.2	<0.50	<0.50	<1.0	480	TAME=25
	05/21/2010	5.48	37.59	340	1.7	<0.50	<0.50	<1.0	1,900	TAME=30 TBA=1,400

Table 1
Groundwater Laboratory Analytical Results
 St. Francis Pie Shop UST Site

Well ID	Date	GW Depth	GW Elev.	Concentration (micrograms per liter, ug/l)						
				TPH-G	B	T	E	X	MTBE	Oxygenates
	10/26/2010	6.23	36.84	370	<0.50	<0.50	<0.50	<1.0	1,800	TAME=11 TBA=650
	06/17/2011	5.39	37.68	<50	<0.50	<0.50	<0.50	<1.0	1,500	TAME=39 TBA=900
	12/01/2011	5.68	37.39	240	0.80	<0.50	<0.50	<1.0	1,500	TAME=51 TBA=550
	05/02/2012	4.95	38.12	280	0.50	<0.50	<0.50	<1.0	2,200	TAME=67 TBA=440
MW-3	03/08/2007	5.79	37.63	<50	<0.50	<0.50	<0.50	<1.0	11	ND
<43.42>	05/31/2007	7.14	36.28	<50	<0.50	<0.50	<0.50	<1.0	2.3	ND
	09/07/2007	7.71	35.71	<50	<0.50	<0.50	<0.50	<1.0	40	ND
	11/20/2007	7.05	36.37	<50	<0.50	<0.50	<0.50	<1.0	12	ND
	02/29/2008	5.48	37.94	<50	<0.50	<0.50	<0.50	<1.0	1.5	ND
	05/29/2008	7.78	35.64	<50	<0.50	<0.50	<0.50	<1.0	68	ND
	09/18/2008	8.14	35.28	<50	<0.50	<0.50	0.59	<1.0	100	TAME=2.6
	12/02/2008	7.55	35.87	130	<0.50	<0.50	<0.50	<1.0	410	ND
	02/27/2009	4.78	38.64	<50	3.0	0.64	1.6	3.61	64	ND
	09/28/2009	8.02	35.40	100	<0.50	<0.50	<0.50	<1.0	17	ND
	12/04/2009	7.33	36.09	<50	<0.50	<0.50	<0.50	<1.0	1.0	ND
	05/21/2010	6.66	36.76	<50	<0.50	<0.50	<0.50	<1.0	26	ND
	10/26/2010	7.69	35.73	<50	<0.50	<0.50	<0.50	<1.0	110	TBA=75
	06/17/2011	6.41	37.01	<50	<0.50	<0.50	<0.50	<1.0	9.6	ND
	12/01/2011	6.99	36.43	<50	<0.50	<0.50	<0.50	<1.0	110	TAME=3.3 TBA=62
	05/02/2012	6.02	37.40	<50	<0.50	<0.50	<0.50	<1.0	48	ND
MW-4	03/08/2007	5.42	38.10	<50	<0.50	<0.50	<0.50	<1.0	5.6	ND
<43.52>	05/31/2007	7.01	36.51	<50	<0.50	<0.50	<0.50	<1.0	6.6	ND
	09/07/2007	8.35	35.17	<50	<0.50	<0.50	<0.50	<1.0	24	ND
	11/20/2007	7.47	36.05	<50	<0.50	<0.50	<0.50	<1.0	26	ND
	02/29/2008	5.26	38.26	<50	<0.50	<0.50	<0.50	<1.0	12	ND
	05/29/2008	8.73	34.79	<50	<0.50	<0.50	<0.50	<1.0	35	ND
	09/18/2008	9.08	34.44	<50	<0.50	<0.50	<0.50	<1.0	16	ND
	12/02/2008	8.10	35.42	<50	<0.50	<0.50	<0.50	<1.0	57	ND
	02/27/2009	4.74	38.78	57	2.0	<0.50	1.2	2.3	77	TAME=2.1
	09/28/2009	8.75	34.77	<50	<0.50	0.67	<0.50	<1.0	<1.0	ND
	12/04/2009	7.67	35.85	<50	<0.50	<0.50	<0.50	<1.0	<1.0	ND
	05/21/2010	7.20	36.32	<50	<0.50	<0.50	<0.50	<1.0	39	ND
	10/26/2010	8.22	35.30	<50	<0.50	<0.50	<0.50	<1.0	73	TBA=52
	06/17/2011	6.78	36.74	<50	<0.50	<0.50	<0.50	<1.0	52	TAME=2.1
	12/01/2011	7.41	36.11	<50	<0.50	<0.50	<0.50	<1.0	94	TAME=3.8 TBA=43
	05/02/2012	6.21	37.31	<50	<0.50	<0.50	<0.50	<1.0	110	TAME=2.5

Table 1
Groundwater Laboratory Analytical Results
 St. Francis Pie Shop UST Site

Well ID	Date	GW Depth	GW Elev.	Concentration (micrograms per liter, ug/l)						
				TPH-G	B	T	E	X	MTBE	Oxygenates
MW-5	03/08/2007	6.98	36.77	<50	<0.50	<0.50	<0.50	<1.0	3.2	ND
<43.75>	05/31/2007	7.02	36.73	<50	<0.50	<0.50	<0.50	<1.0	15	ND
	09/07/2007	9.20	34.55	<50	<0.50	<0.50	<0.50	<1.0	42	ND
	11/20/2007	8.04	35.71	<50	<0.50	<0.50	<0.50	<1.0	17	ND
	02/29/2008	7.27	36.48	<50	<0.50	<0.50	<0.50	<1.0	7.1	ND
	05/29/2008	10.08	33.67	<50	<0.50	<0.50	<0.50	<1.0	56	ND
	09/18/2008	10.35	33.40	<50	<0.50	<0.50	<0.50	<1.0	96	TAME=2.2
	12/02/2008	9.67	34.08	<50	<0.50	<0.50	<0.50	<0.50	58	ND
	02/27/2009	5.86	37.89	<50	1.0	<0.50	0.72	1.3	54	ND
	09/28/2009	10.09	33.66	200	<0.50	0.56	<0.50	<1.0	150	TAME=4.8
	12/04/2009	8.68	35.07	66	<0.50	<0.50	<0.50	<1.0	89	TAME=2.8
	05/21/2010	8.96	34.79	<50	<0.50	<0.50	<0.50	<1.0	8.6	ND
	10/26/2010	9.64	34.11	<50	<0.50	<0.50	<0.50	<1.0	40	TBA=26
	06/17/2011	8.72	35.03	<50	<0.50	<0.50	<0.50	<1.0	21	ND
	12/01/2011	9.23	34.52	<50	<0.50	<0.50	<0.50	<1.0	39	TBA=18
	05/02/2012	8.22	35.53	<50	<0.50	<0.50	<0.50	<1.0	25	ND

Notes:

GW Elev = Groundwater mean sea level elevation
 TPH-G = Total Petroleum Hydrocarbons as gasoline
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Xylenes
 MTBE = Methyl Tertiary Butyl Ether

Oxygenates = Oxygenates (except MTBE), including Ter-Butanol (TBA), Di-isopropyl Ether (DIPE), Ethyl-t-butyl Ether (ETBE), and Tert-amyl Methyl Ether (TAME)
 ND = Not detected above laboratory detection limits
 <44.40> = Top of casing mean sea level elevation (Virgil Chavez Land Survey 03/08/2007).

ATTACHMENT A
GROUNDWATER MONITORING FIELD DATA RECORDS

Groundwater Gauging Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Field Personnel M. Pasman Date 5/02/2012
 Weather Conditions PC, cool

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	—	4.97	44.40	39.43	19.8	
MW-2	—	4.95	43.07	38.12	19.6	
MW-3	—	6.02	43.42	37.40	19.3	
MW-4	—	6.21	43.52	37.31	19.5	
MW-5	—	8.22	43.75	35.53	20.0	

Groundwater Monitoring Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Sampling Personnel MAR Date 5/02/2012
 Weather Conditions PC, cool
 Well ID MW-1
 Casing Diameter (inches) 0.75 Total Depth (feet) 19.8
 Depth to Water 4.97 Depth to Free Product —
 Water Column (ft) 14.83 Product Thickness —
 One Well Volume (gal) 0.87 3x Well Volume (gal) 2.6

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

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

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1339							
1345	1	17.5	1.13		6.65		
1350	2	18.0	1.11		6.65		
1356	3	18.2	1.11		6.60		

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

Sample Time 1400 Sampler's Signature MAR

Groundwater Monitoring Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Sampling Personnel MAR Date 5/02/2012
 Weather Conditions PL, cool

Well ID MW-2
 Casing Diameter (inches) 0.75 Total Depth (feet) 19.6
 Depth to Water 4.95 Depth to Free Product —
 Water Column (ft) 14.65 Product Thickness ∅
 One Well Volume (gal) 0.86 3x Well Volume (gal) 2.6

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 peristaltic pump
Sample Method		X	12V peristaltic pump

FIELD PARAMETERS

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1410							
1416	1	18.5	1.15	/	6.41	/	
1422	2	18.6	1.20	/	6.43	/	
1428	3	18.7	1.25	/	6.46	/	

SAMPLE OBSERVATIONS

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

Sample Time 1430 Sampler's Signature MAR

Groundwater Monitoring Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Sampling Personnel MAR Date 5/02/2012
 Weather Conditions PL, cool

Well ID MW-3
 Casing Diameter (inches) 0.75 Total Depth (feet) 19.3
 Depth to Water 6.02 Depth to Free Product —
 Water Column (ft) 13.28 Product Thickness ∅
 One Well Volume (gal) 0.78 3x Well Volume (gal) 2.4

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 peristaltic pump
Sample Method		X	12V peristaltic pump

FIELD PARAMETERS

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1144							
1152	1	17.9	1.02	/	6.61	/	
1157	2	18.0	1.03	/	6.57	/	
1201	2.5	18.1	1.05	/	6.54	/	

SAMPLE OBSERVATIONS

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

Sample Time 1205 Sampler's Signature MAR

Groundwater Monitoring Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Sampling Personnel MAR Date 5/02/2012
 Weather Conditions PL, cool

Well ID MW-4
 Casing Diameter (inches) 0.75 Total Depth (feet) 19.5
 Depth to Water 6.21 Depth to Free Product —
 Water Column (ft) 13.29 Product Thickness ∅
 One Well Volume (gal) 0.78 3x Well Volume (gal) 2.4

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 peristaltic pump
Sample Method		X	12V peristaltic pump

FIELD PARAMETERS

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1213							
1218	1	18.2	6.74		6.52		
1223	2	18.3	6.72		6.50		
1226	2.5	18.4	6.70		6.47		

SAMPLE OBSERVATIONS

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

Sample Time 1230 Sampler's Signature MAR

Groundwater Monitoring Field Sheet

Client Name Buschini Project Name St. Francis Pie Shop
 Sampling Personnel MAR Date 5/02/2012
 Weather Conditions PL, cool

Well ID MW-5
 Casing Diameter (inches) 0.75 Total Depth (feet) 20.0
 Depth to Water 8.22 Depth to Free Product —
 Water Column (ft) 11.78 Product Thickness ∅
 One Well Volume (gal) 0.70 3x Well Volume (gal) 2.1

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 peristaltic pump
Sample Method		X	12V peristaltic pump

FIELD PARAMETERS

Time	Volume Purged	Temp. (F or C)	E.C. (µS/cm)	D.O. (mg/L)	pH	ORP (mV)	Comments
1241							
1247	1	19.4	1.30		6.51		
1252	2	19.5	1.33		6.52		

SAMPLE OBSERVATIONS

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

Sample Time 1255 Sampler's Signature MAR

ATTACHMENT B
LABORATORY DATA REPORTS AND
CHAIN-OF-CUSTODY RECORDS



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

14 May 2012

Jim Gribi
Gribi Associates
1090 Adam Street, Suite K
Benicia, CA 94510
RE: St Francis Pie Shop

Enclosed are the results of analyses for samples received by the laboratory on 05/05/12 10:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Chavez
Project Manager



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

Gribi Associates 1090 Adam Street, Suite K Benicia CA, 94510	Project: St Francis Pie Shop Project Number: [none] Project Manager: Jim Gribi	Reported: 05/14/12 16:39
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T120768-01	Water	05/02/12 14:00	05/05/12 10:00
MW-2	T120768-02	Water	05/02/12 14:30	05/05/12 10:00
MW-3	T120768-03	Water	05/02/12 12:05	05/05/12 10:00
MW-4	T120768-04	Water	05/02/12 12:30	05/05/12 10:00
MW-5	T120768-05	Water	05/02/12 12:55	05/05/12 10:00

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates Project: St Francis Pie Shop
 1090 Adam Street, Suite K Project Number: [none] Reported:
 Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

**MW-1
 T120768-01 (Water)**

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.50	ug/l	1	2050807	05/08/12	05/09/12	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
m,p-Xylene	ND	1.0	"	"	"	"	"	"	"
o-Xylene	ND	0.50	"	"	"	"	"	"	"
Tert-amyl methyl ether	9.1	2.0	"	"	"	"	"	"	"
Tert-butyl alcohol	850	100	"	10	"	"	"	"	"
Di-isopropyl ether	ND	2.0	"	1	"	"	"	"	"
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	"
Methyl tert-butyl ether	200	10	"	10	"	"	"	"	"
C6-C12 (GRO)	300	50	"	1	"	"	"	"	"
Surrogate: Toluene-d8		95.2 %	88.8-117	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		106 %	83.5-119	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		124 %	81.1-136	"	"	"	"	"	"

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Daniel Chavez, Project Manager



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Gribi Associates Project: St Francis Pie Shop
 1090 Adam Street, Suite K Project Number: [none] Reported:
 Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

**MW-2
 T120768-02 (Water)**

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	0.50	0.50	ug/l	1	2050807	05/08/12	05/09/12	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"	"
m,p-Xylene	ND	1.0	"	"	"	"	"	"	"
o-Xylene	ND	0.50	"	"	"	"	"	"	"
Tert-amyl methyl ether	67	2.0	"	"	"	"	"	"	"
Tert-butyl alcohol	440	10	"	"	"	"	"	"	"
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	"
Methyl tert-butyl ether	2200	50	"	50	"	"	"	"	"
C6-C12 (GRO)	280	50	"	1	"	"	"	"	"
Surrogate: Toluene-d8		96.0 %	88.8-117	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene		106 %	83.5-119	"	"	"	"	"	"
Surrogate: Dibromofluoromethane		119 %	81.1-136	"	"	"	"	"	"

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Daniel Chavez, Project Manager



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Gribi Associates Project: St Francis Pie Shop
 1090 Adam Street, Suite K Project Number: [none] Reported:
 Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

**MW-3
 T120768-03 (Water)**

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

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.50	ug/l	1	2050807	05/08/12	05/09/12	EPA 8260B	
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	48	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.5 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	117 %	81.1-136	"	"	"	"	"	"	

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Daniel Chavez, Project Manager



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Gribi Associates Project: St Francis Pie Shop
 1090 Adam Street, Suite K Project Number: [none] Reported:
 Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

**MW-4
 T120768-04 (Water)**

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

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.50	ug/l	1	2050807	05/08/12	05/09/12	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	2.5	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	110	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	96.0 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	121 %	81.1-136	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Daniel Chavez, Project Manager



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Gribi Associates Project: St Francis Pie Shop
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

**MW-5
T120768-05 (Water)**

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

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.50	ug/l	1	2050807	05/08/12	05/10/12	EPA 8260B	
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	25	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8	98.5 %	88.8-117	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	83.5-119	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane	116 %	81.1-136	"	"	"	"	"	"	

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates Project: St Francis Pie Shop
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	Notes
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Batch 2050807 - EPA 5030 GCMS

Blank (2050807-BLK1)		Prepared: 05/08/12 Analyzed: 05/09/12	
Benzene	ND	0.50	ug/l
Toluene	ND	0.50	"
Ethylbenzene	ND	0.50	"
m,p-Xylene	ND	1.0	"
o-Xylene	ND	0.50	"
Tert-butyl alcohol	ND	10	"
Methyl tert-butyl ether	ND	1.0	"
C6-C12 (GRO)	ND	50	"
Surrogate: Toluene-d8	7.84	"	8.00 98.0 88.8-117
Surrogate: 4-Bromofluorobenzene	8.43	"	8.00 105 83.5-119
Surrogate: Dibromofluoromethane	9.02	"	8.00 113 81.1-136
LCS (2050807-BS1)		Prepared: 05/08/12 Analyzed: 05/09/12	
Chlorobenzene	20.3	1.0	ug/l 20.0 101 75-125
1,1-Dichloroethene	21.1	1.0	" 20.0 106 75-125
Trichloroethene	18.6	1.0	" 20.0 93.2 75-125
Benzene	19.8	0.50	" 20.0 98.8 75-125
Toluene	18.1	0.50	" 20.0 90.6 75-125
Surrogate: Toluene-d8	7.70	"	8.00 96.2 88.8-117
Surrogate: 4-Bromofluorobenzene	8.76	"	8.00 110 83.5-119
Surrogate: Dibromofluoromethane	9.97	"	8.00 125 81.1-136

Matrix Spike (2050807-MS1)		Source: T120768-01		Prepared: 05/08/12 Analyzed: 05/09/12	
Chlorobenzene	19.8	1.0	ug/l	20.0	ND 98.8 75-125
1,1-Dichloroethene	22.1	1.0	"	20.0	ND 111 75-125
Trichloroethene	15.2	1.0	"	20.0	ND 76.0 75-125
Benzene	18.0	0.50	"	20.0	ND 89.8 75-125
Toluene	17.7	0.50	"	20.0	ND 88.3 75-125
Surrogate: Toluene-d8	7.77	"	8.00	97.1	88.8-117
Surrogate: 4-Bromofluorobenzene	8.87	"	8.00	111	83.5-119
Surrogate: Dibromofluoromethane	9.90	"	8.00	124	81.1-136

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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949.297.5027 Fax

Gribi Associates Project: St Francis Pie Shop
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2050807 - EPA 5030 GCMS

Matrix Spike Dup (2050807-MSD1)	Source: T120768-01		Prepared: 05/08/12	Analized: 05/09/12					
Chlorobenzene	20.0	1.0	ug/l	20.0	ND	100	75-125	1.21	20
1,1-Dichloroethene	21.8	1.0	"	20.0	ND	109	75-125	1.59	20
Trichloroethene	15.2	1.0	"	20.0	ND	75.9	75-125	0.0658	20
Benzene	18.5	0.50	"	20.0	ND	92.7	75-125	3.18	20
Toluene	18.0	0.50	"	20.0	ND	90.2	75-125	2.18	20
Surrogate: Toluene-d8	7.81		"	8.00		97.6	88.8-117		
Surrogate: 4-Bromofluorobenzene	8.82		"	8.00		110	83.5-119		
Surrogate: Dibromofluoromethane	9.97		"	8.00		125	81.1-136		

SunStar Laboratories, Inc.

Daniel Chavez, Project Manager

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Gribi Associates Project: St Francis Pie Shop
1090 Adam Street, Suite K Project Number: [none] Reported:
Benicia CA, 94510 Project Manager: Jim Gribi 05/14/12 16:39

Notes and Definitions

- 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

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SAMPLE RECEIVING REVIEW SHEET

BATCH # T120768

Client Name: GRIGI

Project: ST. FRANCIS PLE SHOP

Received by: SUNNY

Date/Time Received: 5-5-12 / 10:00

Delivered by: Client SunStar Courier GSO FedEx Other

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

Temperature: cooler #1 5.0 °C +/- the CF (-0.2°C) = 4.8 °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 SL 5-5-12

Comments:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED	ANALYSIS REQUEST	Other	Comments		
		Date	Time			Water	Soil	Air	Sludge	Other					Ice	HCl
01 MW-1		5/6/2	1/400	4	VOB	X	X	X	X	X	X					
02 MW-2		5/6/2	1/430	4	VOB	X	X	X	X	X	X					
03 MW-3		5/6/2	1/205	4	VOB	X	X	X	X	X	X					
04 MW-4		5/6/2	1/230	4	VOB	X	X	X	X	X	X					
05 MW-5		5/6/2	1/255	4	VOB	X	X	X	X	X	X					

Report To: James Grigi Company: Grigi Associates 1090 Adams Street, Suite K Benicia, CA 94510 Tele: (707) 748-7743 Client Name: Baschill Project Name: St. Francis Ple Shop Sampler Signature: <i>[Signature]</i>	Bill To: E-Mail: Fax: (707) 748-7763 Global ID: T0600109444	Web: www.sunstarlabs.com Address: 25711 COMMERCIAL DRIVE LAKE FOREST, CA 94550 Telephone: (949) 297-5020 Fax: (949) 297-5027 Email: johng@sunstarlabs.com
--	---	---

TURN AROUND TIME <input type="checkbox"/> RUSH 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAY	<input checked="" type="checkbox"/> Geotracker EDI <input type="checkbox"/> PDF <input type="checkbox"/> Excel <input type="checkbox"/> Write On (DW)	CHAIN OF CUSTODY RECORD 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)	Filter Samples for Metals analysis: Yes / No
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Requisitioned By: <i>[Signature]</i> Date: 5/6/12 Time: 1:53p Received By: <i>[Signature]</i> Date: 5-5-12 Time: 10:00 Requisitioned By: GSO	Received By: <i>[Signature]</i> Date: 5-5-12 Time: 10:00	ICD# 51.8 GOOD CONDITION HEAD SPACE ABSENT DECONTAMINATED IN LAB APPROPRIATE CONTAINERS PRESERVED IN LAB PRESERVATION VOAS O&G METALS OTHER COMMENTS: STD. TAT 5-5-12 82
--	--	---