

**RECEIVED**

1:52 pm, Jul 16, 2009

Alameda County  
Environmental Health



July 9, 2009

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

Attention: Barbara Jakub

Subject: First Quarter 2009 Groundwater Monitoring Report  
1125 67<sup>th</sup> Street Oakland, Ca  
ACDEH Site No. RO2602

Ladies and Gentlemen:

Gribi Associates is pleased to submit this First Quarter 2009 Groundwater Monitoring Report on behalf of St. Francis Pie Shop for the underground storage tank (UST) site located at 1125 67<sup>th</sup> Street in Oakland, California (see Figure 1 and Figure 2). This letter report documents the monitoring and sampling of five site wells on February 27, 2009.

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

1. Gribi Associates personnel conducted groundwater monitoring and sampling activities for 5 of site wells (MW-1, MW-2, MW-3, MW-4, and MW-5) on February 27, 2009.
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 3.72 feet (MW-2) to 5.86 feet (MW-5).
2. Groundwater elevations ranged from 37.89 feet above means sea level (msl) (MW-5) to 39.85 feet msl (MW-1).
3. Groundwater flow direction is variable, generally trending to the west-southwest.
4. Groundwater elevations and elevation 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 well MW-1 seem to be trending downward over time, indicating natural attenuation of the MTBE.

## **RECOMMENDATIONS**

1. We believe that this site should be reviewed for regulatory closure as a “low risk” commercial property, based on the following criteria:
  - a. The source (UST, piping, and soil/groundwater overexcavation) has been removed.
  - b. The site has been adequately characterized, essentially to nondetect in all directions.

- c. The contaminant plume is not migrating, and chemical concentrations in groundwater are expected to meet water quality objectives in the future.
- d. No other waters of the State, water supply wells, or other sensitive receptors are likely to be impacted.
- e. The site does not pose a significant risk to human health or safety.

#### PLANNED ACTIVITIES

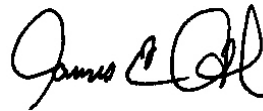
- 1. Mr. John Buschini, the site owner and RP, is unable to fund site investigation and remediation activities, and is not receiving UST Cleanup Funding in a timely manner.
- 2. As such, Gribi Associates did not perform Second Quarter 2009 groundwater monitoring and sampling at this site.

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,



Aaron J. Garcia  
Environmental Scientist



James E. Gribi  
Professional Geologist  
California No. 5843

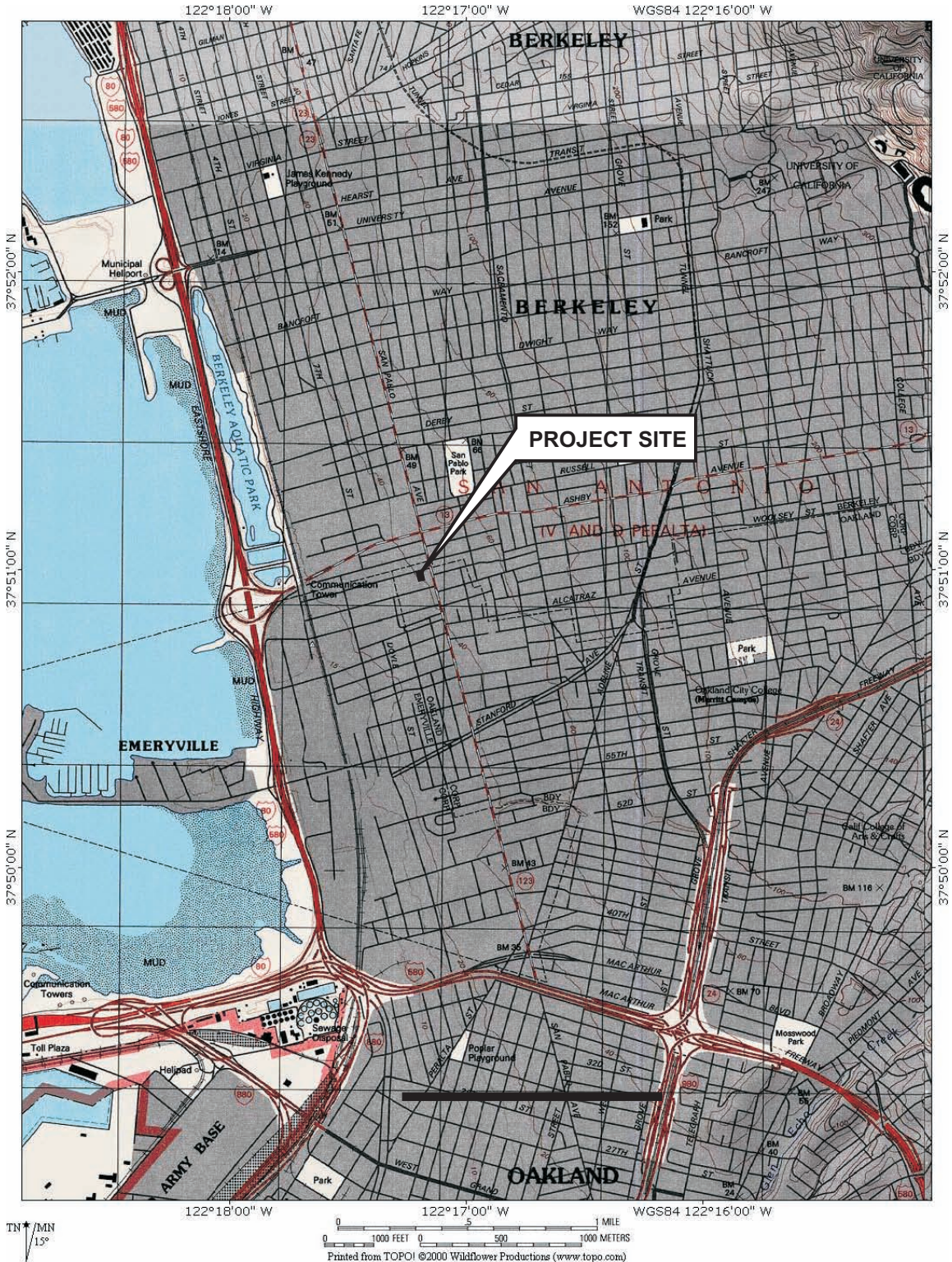


Enclosure

cc: Mr. John Buschini

## FIGURES



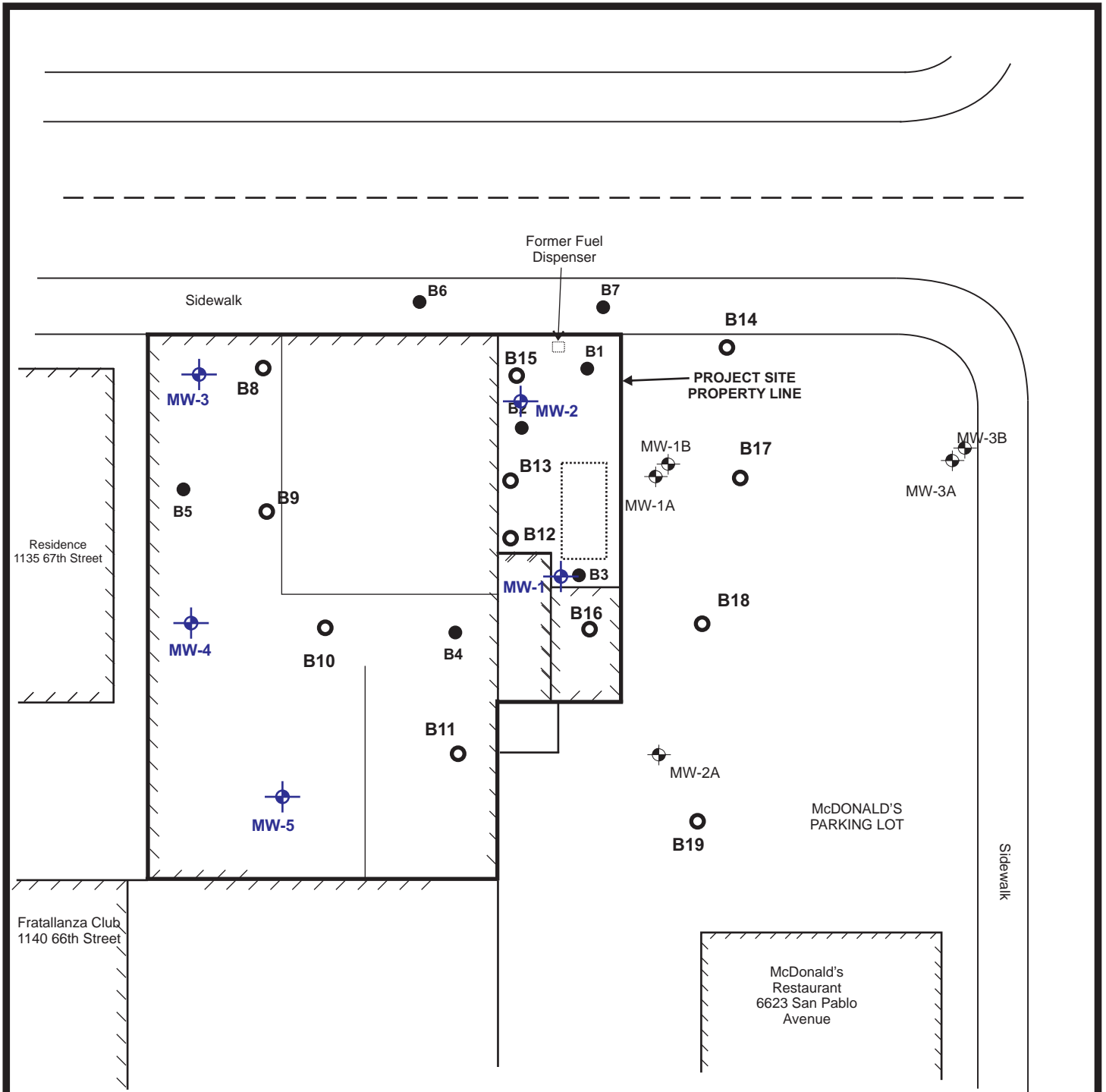


DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 320-01-01	

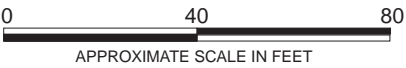
**SITE VICINITY MAP**

ST. FRANCIS PIE SHOP  
1125 67th STREET  
OAKLAND, CALIFORNIA

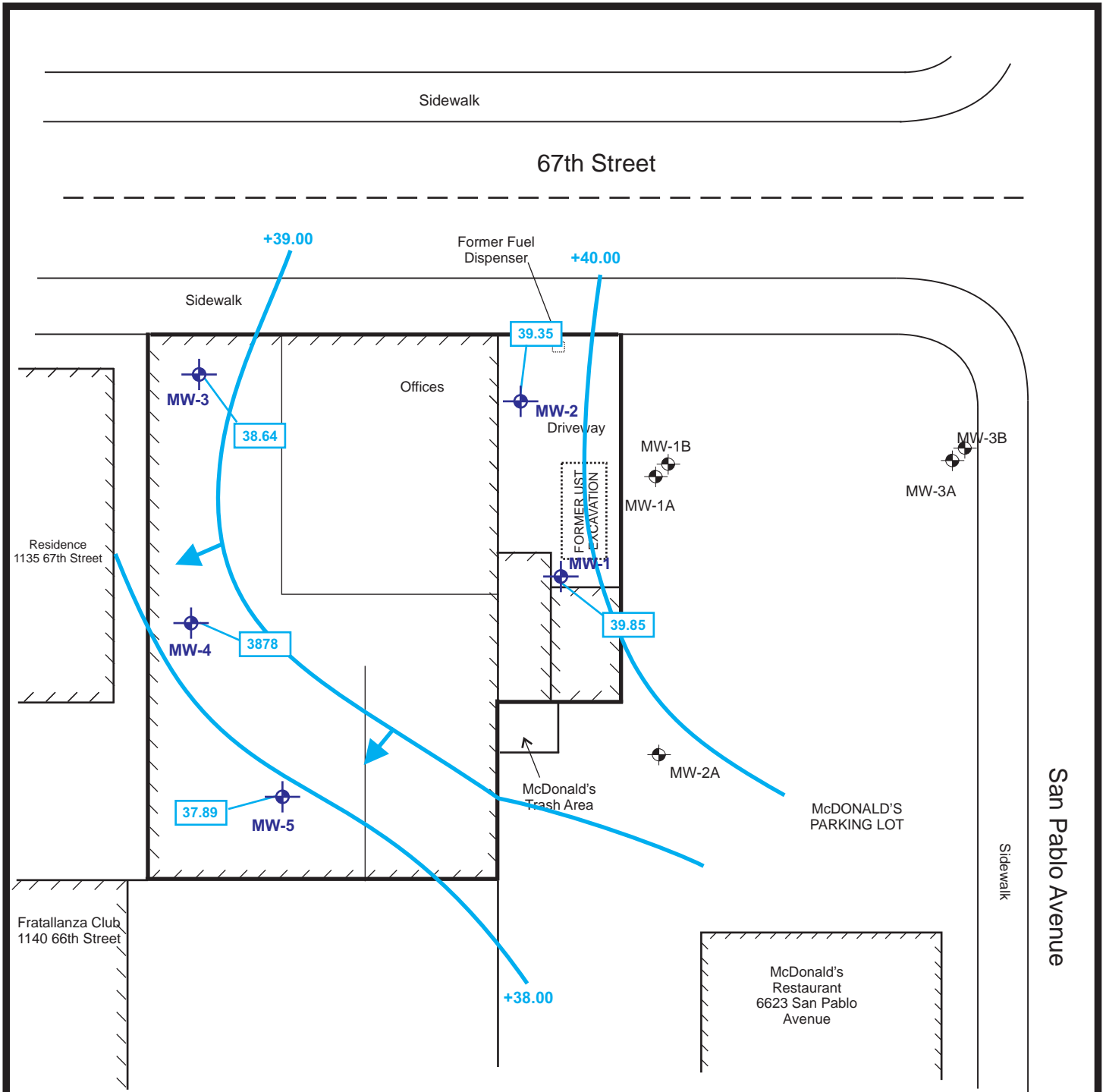
DATE: 08/20/07	FIGURE: 1
	



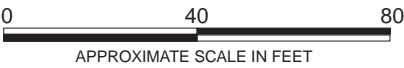
- - SOIL BORING LOCATION (GRIBI ASSOCIATES, 10/2006)
- ⊕ - GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).
- - SOIL BORING LOCATION (TEC ACCUTITE, 10/2005)
- ⊕ - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)



DESIGNED BY:	CHECKED BY: JEG	<b>SITE PLAN</b>	DATE: 07/08/2009	FIGURE: 2
DRAWN BY: JEG	SCALE:			
PROJECT NO: 320-01-01		ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA		

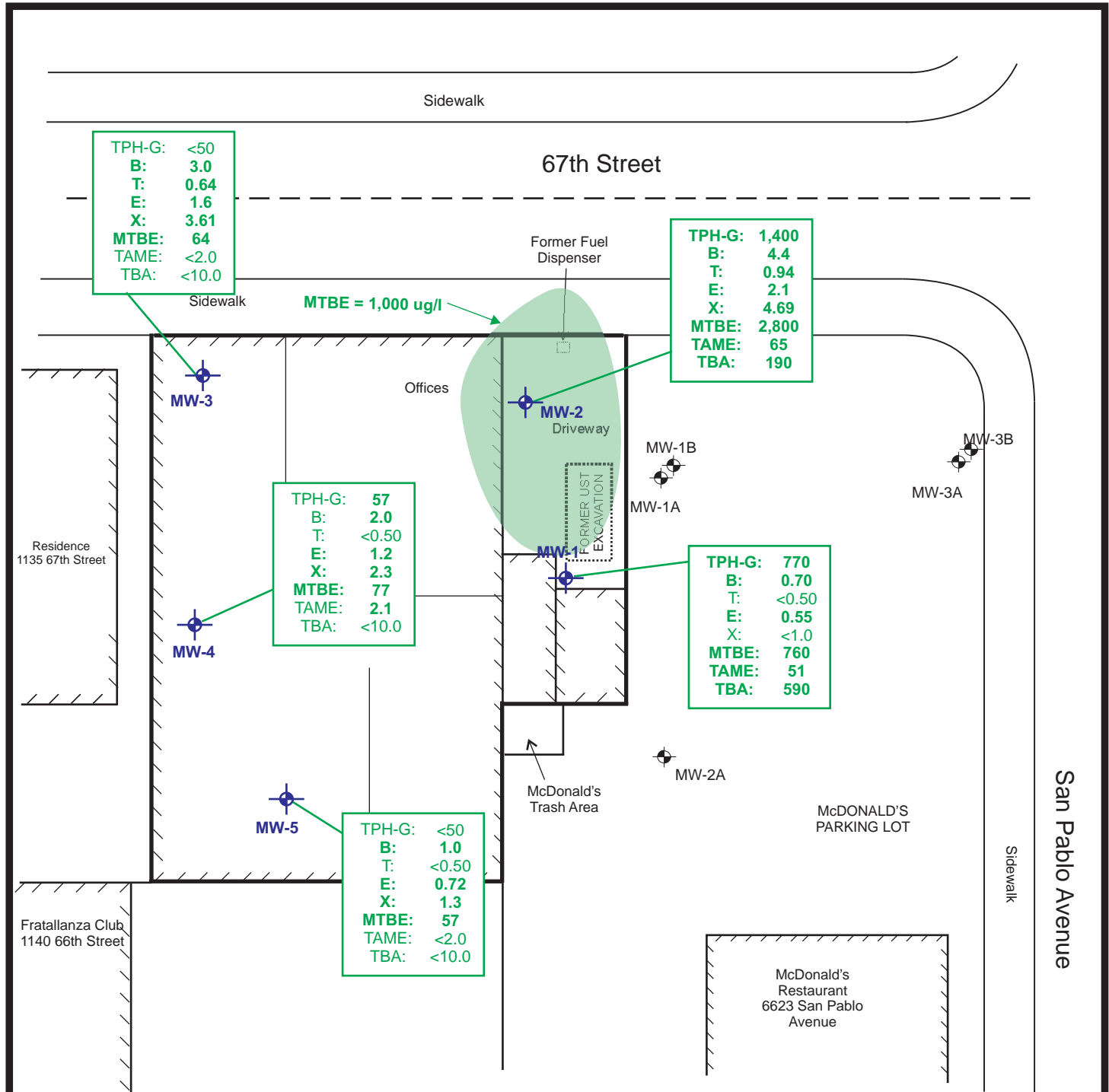


- GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).  
 - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)

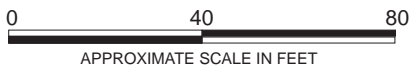


DESIGNED BY:	CHECKED BY: JEG	<b>SHALLOW GROUNDWATER ELEVATIONS - 02/27/09</b> ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 07/08/2009	FIGURE: 3
DRAWN BY: JEG	SCALE:			
PROJECT NO: 320-01-01				





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



DESIGNED BY:	CHECKED BY: JEG	<b>SHALLOW GROUNDWATER HYDROCARBON RESULTS - 02/27/09</b>  ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 07/08/2009	FIGURE: 4
DRAWN BY: JEG	SCALE:			
PROJECT NO: 320-01-01				



## 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	Oxy
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
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
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
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

**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	Oxy
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

**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  
 Oxy = 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 the expressed value  
 <44.40> = Top of casing mean sea level elevation (Virgil Chavez Land Survey 03/08/2007).

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

Ground Water Monitoring Field Sheet

Site SFPS

Project Number \_\_\_\_\_

Sampling Personnel ATG

Date 2/27/09

Weather Conditions SUN

Well ID MW-1

Casing Diameter (inches) 3/4"

Depth to Water (ft) 4.55

Total Depth (ft) 28'

Water Column (ft) 15.45

One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 3

Notes:

One Well Volume is determined by multiplying "Water Column" by:

\* 0.059 for 3/4 inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well

Field Methods (check appropriate box)

Activity	Bailer	Pump	Comments
<u>PURGE</u>		<u>X</u>	<u>purge pump</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>12:55</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>12:58</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>1:00</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	

Sample Observations

Characteristic	None	Slight	Moderate	Strong	Comments
Color	<u>///</u>				
Odor	<u>///</u>				
Turbidity	<u>///</u>				
Sheen	<u>///</u>				
Floating Particles					
Precipitate					

Sample Time 1:00

Sampler's Signature ATG



Ground Water Monitoring Field Sheet

Site SFPS

Project Number \_\_\_\_\_

Sampling Personnel ASG

Date 2/27/09

Weather Conditions SN

Well ID MW-2

Casing Diameter (inches) 3/4"

Depth to Water (ft) 3.72

Total Depth (ft) 20

Water Column (ft) 16.28

One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 3

Notes:

One Well Volume is determined by multiplying "Water Column" by:

\* 0.059 for 3/4 inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well

Field Methods (check appropriate box)

Activity	Bailer	Pump	Comments
<u>Pumps</u>		<u>X</u>	<u>PACAST. Pump</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>11:25</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>11:28</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>11:30</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	

Sample Observations

Characteristic	None	Slight	Moderate	Strong	Comments
Color	<u>/</u>				
Odor	<u>/</u>				
Turbidity	<u>/</u>				
Sheen	<u>/</u>				
Floating Particles					
Precipitate					

Sample Time 11:30

Sampler's Signature ASG

Ground Water Monitoring Field Sheet

Site SFPS

Project Number \_\_\_\_\_

Sampling Personnel ADG

Date 2/17/09

Weather Conditions SUN

Well ID MW-3

Casing Diameter (inches) 3/4"

Depth to Water (ft) 4.78

Total Depth (ft) 20

Water Column (ft) 15.22

One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 3

Notes:

One Well Volume is determined by multiplying "Water Column" by:

\* 0.059 for 3/4 inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well

**Field Methods (check appropriate box)**

Activity	Bailer	Pump	Comments
<u>PNE</u>		<u>X</u>	<u>PARAST. Pump</u>

**Field Parameters**

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>7:55</u>	<u>1</u>	/	/	/	/	/	
<u>7:58</u>	<u>1</u>	/	/	/	/	/	
<u>8:00</u>	<u>1</u>	/	/	/	/	/	

**Sample Observations**

Characteristic	None	Slight	Moderate	Strong	Comments
Color	/				
Odor	/				
Turbidity	/				
Sheen	/				
Floating Particles					
Precipitate					

Sample Time 8:00

Sampler's Signature ADG

Ground Water Monitoring Field Sheet

Site SFPS

Project Number \_\_\_\_\_

Sampling Personnel ASG

Date 2/27/09

Weather Conditions ~~BSN~~ SUN

Well ID MW-4

Casing Diameter (inches) 3 1/4"

Depth to Water (ft) 4.74

Total Depth (ft) 20'

Water Column (ft) 16.26

One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 3

Notes:

One Well Volume is determined by multiplying "Water Column" by:

\* 0.059 for 3/4 inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well

**Field Methods (check appropriate box)**

Activity	Bailer	Pump	Comments
<u>Direct</u>		<u>X</u>	<u>PALLET Pump</u>


**Field Parameters**

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>9:55</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>9:58</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>9:00</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	

**Sample Observations**

Characteristic	None	Slight	Moderate	Strong	Comments
Color	<u>1</u>				
Odor	<u>1</u>				
Turbidity	<u>1</u>				
Sheen	<u>1</u>				
Floating Particles					
Precipitate					

Sample Time 9:00

Sampler's Signature 



Ground Water Monitoring Field Sheet

Site SFPS

Project Number \_\_\_\_\_

Sampling Personnel ATG

Date 2/13/09

Weather Conditions SUN

Well ID MW-5

Casing Diameter (inches) 3/4"

Depth to Water (ft) 5.86

Total Depth (ft) 20

Water Column (ft) 14.14

One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 3

Notes:

One Well Volume is determined by multiplying "Water Column" by:

\* 0.059 for 3/4 inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well

**Field Methods (check appropriate box)**

Activity	Bailer	Pump	Comments
<u>Pump</u>		<u>X</u>	<u>PALLET Pump</u>

**Field Parameters**

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>9:55</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>9:58</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	
<u>10:00</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	

**Sample Observations**

Characteristic	None	Slight	Moderate	Strong	Comments
Color	<u>///</u>				
Odor	<u>///</u>				
Turbidity	<u>///</u>				
Sheen	<u>///</u>				
Floating Particles					
Precipitate					

Sample Time 10:00

Sampler's Signature ATG

**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

06 March 2009

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 02/28/09 09:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Dixon  
Project Coordinator

SunStar Laboratories, Inc.  
 3002 Dow Ave, Suite 212  
 Tustin, CA 92780  
 1-800-781-6777

### Chain of Custody Record

Client: GRIBI ASSOCIATES  
 Address: 1090 ADAMS STREET, SUITE K  
 Phone: (707) 748-7743 Fax: (707) 748-7763  
 Project Manager: JAMES GRIBI

Date: 2/23/09 Page: Of  
 Project Name: ~~ARON~~ St. Francis Pie Shop  
 Collector: ARON GARCIA Client Project #:  
 Batch #: T900161 Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Gas (M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB (8260B)	EPA 8260 (Full List)	Halogenated VOCs (8260B)	MTBE	Laboratory ID #	Preservative	Comments	Total # of containers
MW-1	2/23/09	1:00	WATER	VOP						X							01			5
MW-2		11:30								X							02			5
MW-3		8:00								X							03			5
MW-4		9:00								X							04			5
MW-5	X	10:00	X	6						X							05			5
Relinquished by: (signature) <i>[Signature]</i> Date / Time 2/23/09 1:40					Received by: (signature) <i>[Signature]</i> Date / Time 2/27 300					Total # of containers 20					Notes EVE FILE					
Relinquished by: (signature) GSO 2/28/09 Date / Time 9:45					Received by: (signature) <i>[Signature]</i> Date / Time 2/28/09 9:45					Chain of Custody seals Y/N/NA Yes										
Relinquished by: (signature)					Received by: (signature)					Seals intact? Y/N/NA Yes										
										Received good condition/cold 34										

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

Turn around time: \_\_\_\_\_



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	<b>Reported:</b> 03/06/09 16:03
--	--	------------------------------------

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T900161-01	Water	02/27/09 13:00	02/28/09 09:45
MW-2	T900161-02	Water	02/27/09 11:30	02/28/09 09:45
MW-3	T900161-03	Water	02/27/09 08:00	02/28/09 09:45
MW-4	T900161-04	Water	02/27/09 09:00	02/28/09 09:45
MW-5	T900161-05	Water	02/27/09 10:00	02/28/09 09:45

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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	<b>Reported:</b> 03/06/09 16:03
--	--	------------------------------------

**MW-1**  
**T900161-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

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

<b>Benzene</b>	<b>0.70</b>	0.50	ug/l	1	9022806	02/28/09	03/05/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.55</b>	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>51</b>	2.0	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>590</b>	250	"	25	"	"	03/06/09	"	
Di-isopropyl ether	ND	2.0	"	1	"	"	03/05/09	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>760</b>	25	"	25	"	"	03/06/09	"	
<b>C6-C12 (GRO)</b>	<b>770</b>	50	"	1	"	"	03/05/09	"	
Surrogate: 4-Bromofluorobenzene		107 %		77.1-110	"	"	"	"	
Surrogate: Dibromofluoromethane		97.2 %		66.3-111	"	"	"	"	
Surrogate: Toluene-d8		99.4 %		84.7-109	"	"	"	"	

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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	<b>Reported:</b> 03/06/09 16:03
--	--	------------------------------------

**MW-2**  
**T900161-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

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

<b>Benzene</b>	<b>4.4</b>	0.50	ug/l	1	9022806	02/28/09	03/05/09	EPA 8260B	
<b>Toluene</b>	<b>0.94</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.1</b>	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>3.9</b>	1.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>0.79</b>	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>65</b>	2.0	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>190</b>	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>2800</b>	50	"	50	"	"	03/06/09	"	
<b>C6-C12 (GRO)</b>	<b>1400</b>	50	"	1	"	"	03/05/09	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %		77.1-110	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %		66.3-111	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %		84.7-109	"	"	"	"	

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator





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: 03/06/09 16:03
--	--	-----------------------------

**MW-3**  
**T900161-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

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

<b>Benzene</b>	<b>3.0</b>	0.50	ug/l	1	9022806	02/28/09	03/05/09	EPA 8260B	
<b>Toluene</b>	<b>0.64</b>	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.6</b>	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>3.0</b>	1.0	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>0.61</b>	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>64</b>	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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	<b>Reported:</b> 03/06/09 16:03
--	--	------------------------------------

**MW-4**  
**T900161-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

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

<b>Benzene</b>	<b>2.0</b>	0.50	ug/l	1	9022806	02/28/09	03/05/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.2</b>	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>2.1</b>	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>77</b>	1.0	"	"	"	"	"	"	
<b>C6-C12 (GRO)</b>	<b>57</b>	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		94.6 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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	<b>Reported:</b> 03/06/09 16:03
--	--	------------------------------------

**MW-5**  
**T900161-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

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

<b>Benzene</b>	<b>1.0</b>	0.50	ug/l	1	9022806	02/28/09	03/05/09	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.72</b>	0.50	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>1.3</b>	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>54</b>	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	77.1-110		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		100 %	66.3-111		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.8 %	84.7-109		"	"	"	"	

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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:  
 03/06/09 16:03

**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 9022806 - EPA 5030 GCMS**

**Blank (9022806-BLK1)**

Prepared: 02/28/09 Analyzed: 03/05/09

Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Tert-amyl methyl ether	ND	2.0	"							
Tert-butyl alcohol	ND	10	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Methyl tert-butyl ether	ND	1.0	"							
C6-C12 (GRO)	ND	50	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	8.12		"	8.00		102	77.1-110			
<i>Surrogate: Dibromofluoromethane</i>	7.95		"	8.00		99.4	66.3-111			
<i>Surrogate: Toluene-d8</i>	7.94		"	8.00		99.2	84.7-109			

**LCS (9022806-BS1)**

Prepared: 02/28/09 Analyzed: 03/05/09

Benzene	22.0	0.50	ug/l	20.0		110	75-125			
Toluene	21.1	0.50	"	20.0		106	75-125			
<i>Surrogate: 4-Bromofluorobenzene</i>	8.16		"	8.00		102	77.1-110			
<i>Surrogate: Dibromofluoromethane</i>	7.81		"	8.00		97.6	66.3-111			
<i>Surrogate: Toluene-d8</i>	7.90		"	8.00		98.8	84.7-109			

**LCS Dup (9022806-BSD1)**

Prepared: 02/28/09 Analyzed: 03/05/09

Benzene	21.5	0.50	ug/l	20.0		108	75-125	2.29	20	
Toluene	21.4	0.50	"	20.0		107	75-125	1.60	20	
<i>Surrogate: 4-Bromofluorobenzene</i>	8.21		"	8.00		103	77.1-110			
<i>Surrogate: Dibromofluoromethane</i>	7.84		"	8.00		98.0	66.3-111			
<i>Surrogate: Toluene-d8</i>	7.85		"	8.00		98.1	84.7-109			

SunStar Laboratories, Inc.

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

Kevin Dixon, Project Coordinator



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:**  
03/06/09 16:03

### 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.

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

---

Kevin Dixon, Project Coordinator