

**RECEIVED**

1:48 pm, Feb 05, 2008

Alameda County  
Environmental Health



August 20, 2007

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

Attention: Barney Chan

Subject: Second Quarter 2007 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 Second Quarter 2007 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 May 31, 2007.

#### **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 May 31, 2007.
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 6.38 feet (MW-1) to 7.14 feet (MW-3).
2. Groundwater elevations ranged from 36.28 feet above means sea level (msl) (MW-3) to 38.02 feet msl (MW-1).
3. Groundwater flow direction is variable, generally trends to the northwest.
4. Groundwater elevations and elevation contours are shown on Figure 3.

### **Laboratory Analytical Results**

1. Groundwater samples from the seven sampled wells were analyzed for the following parameters with standard method turn around time on results:
  - a. USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G)
  - b. USEPA 8021B 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 and previous monitoring events seem to indicate two distinct groundwater hydrocarbon plumes.
  - a. One is a primarily a groundwater MTBE plume that extends downgradient (northwest) from the former UST tank area
  - b. The second plume is primarily a non-MTBE, gasolines-range dissolved and free product groundwater hydrocarbon plume extending downgradient from the former fuel dispenser area.

## **PLANNED ACTIVITIES**

1. Gribi Associates has submitted a workplan to conduct site remediation activities.
2. Gribi Associates will perform Third Quarter 2007 groundwater monitoring and sampling at the site.

Alameda County Department of  
Environmental Health  
August 20, 2007  
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,



Aaron J. Garcia  
Environmental Scientist



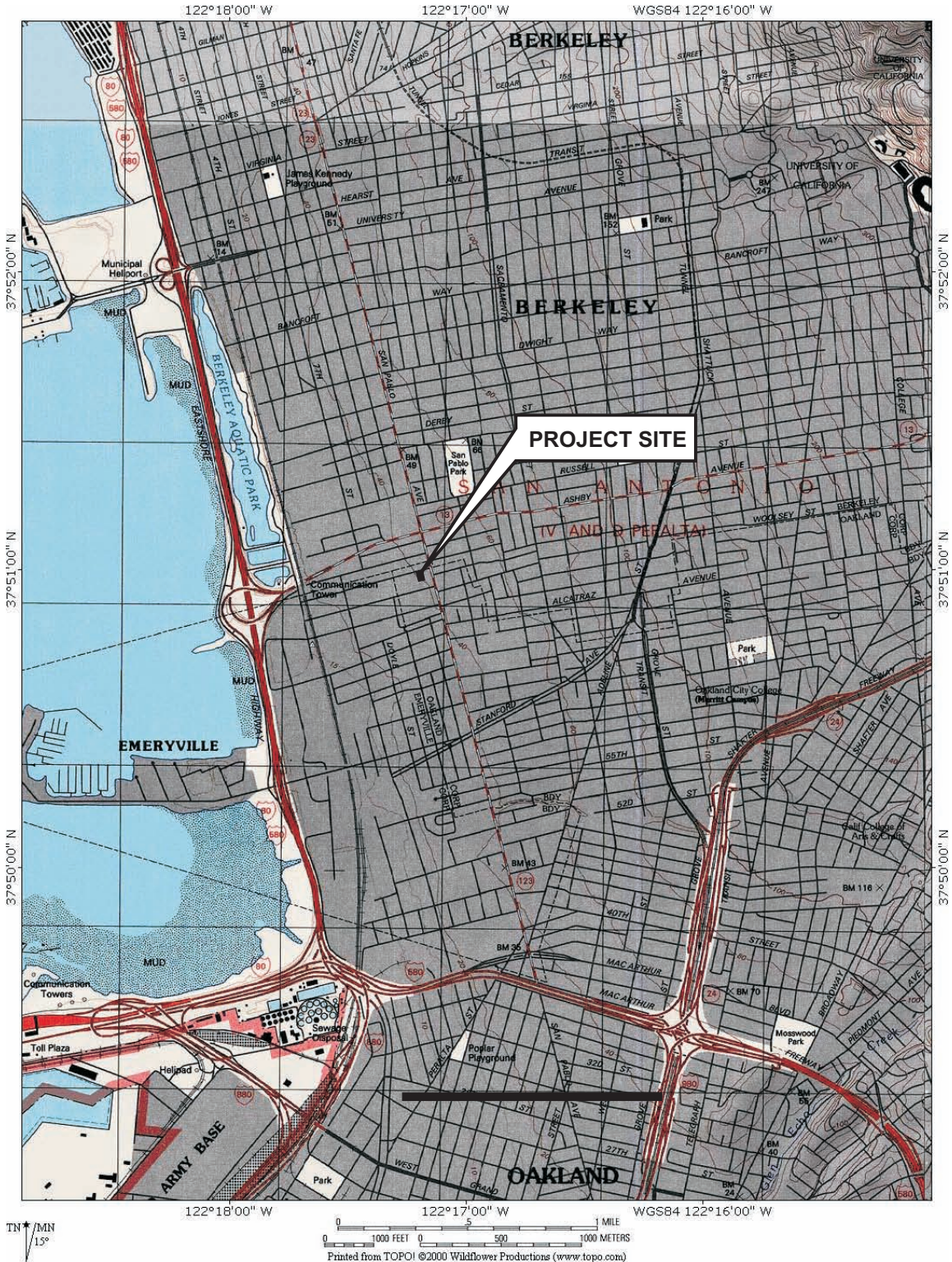
James E. Gribi  
Professional Geologist  
California No. 5843



Enclosure

cc: Mr. John Buschini

## FIGURES

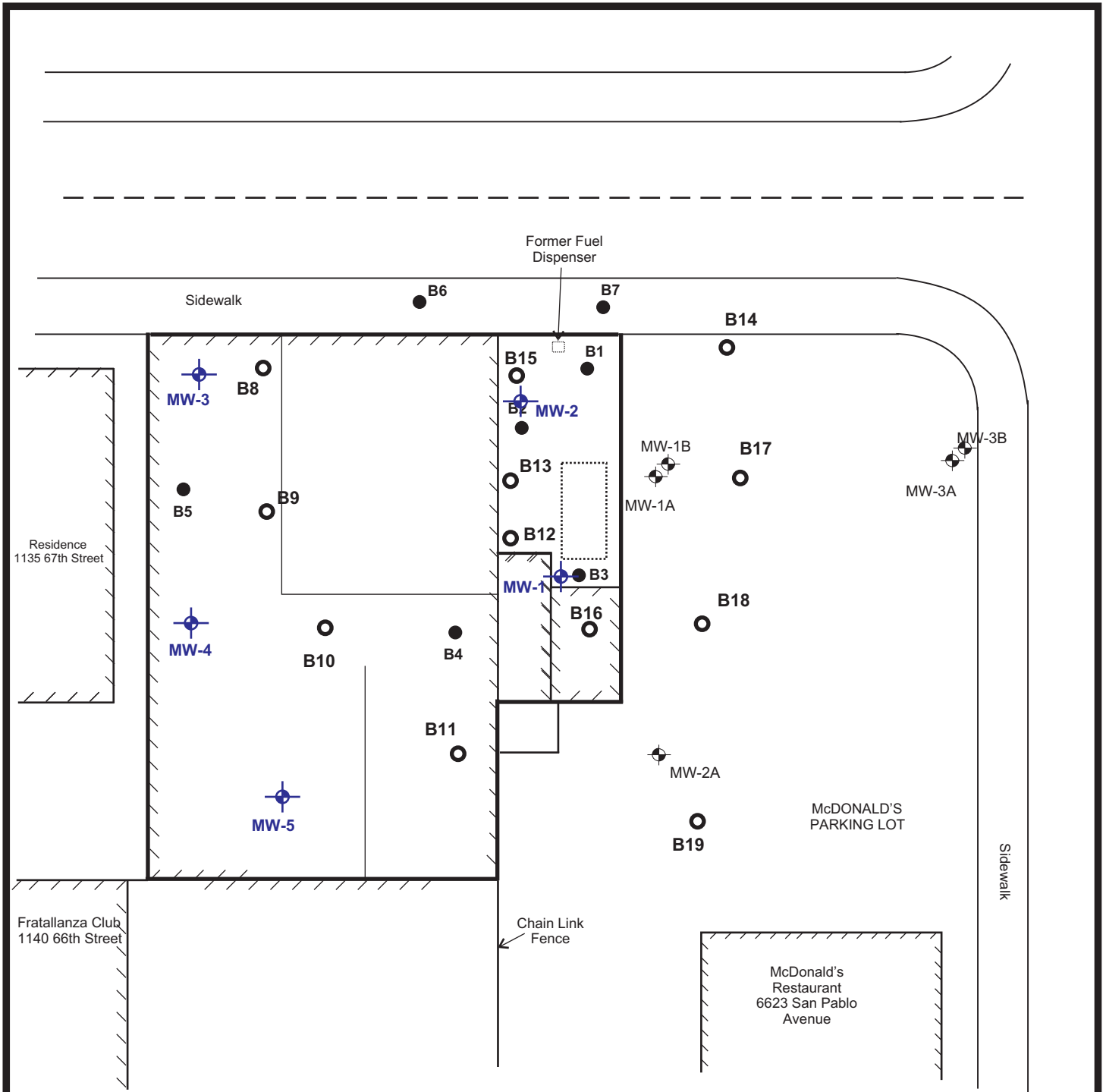


DESIGNED BY:	CHECKED BY:
DRAWN BY: JG	SCALE:
PROJECT NO: 320-01-01	

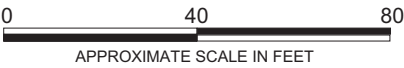
**SITE VICINITY MAP**

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

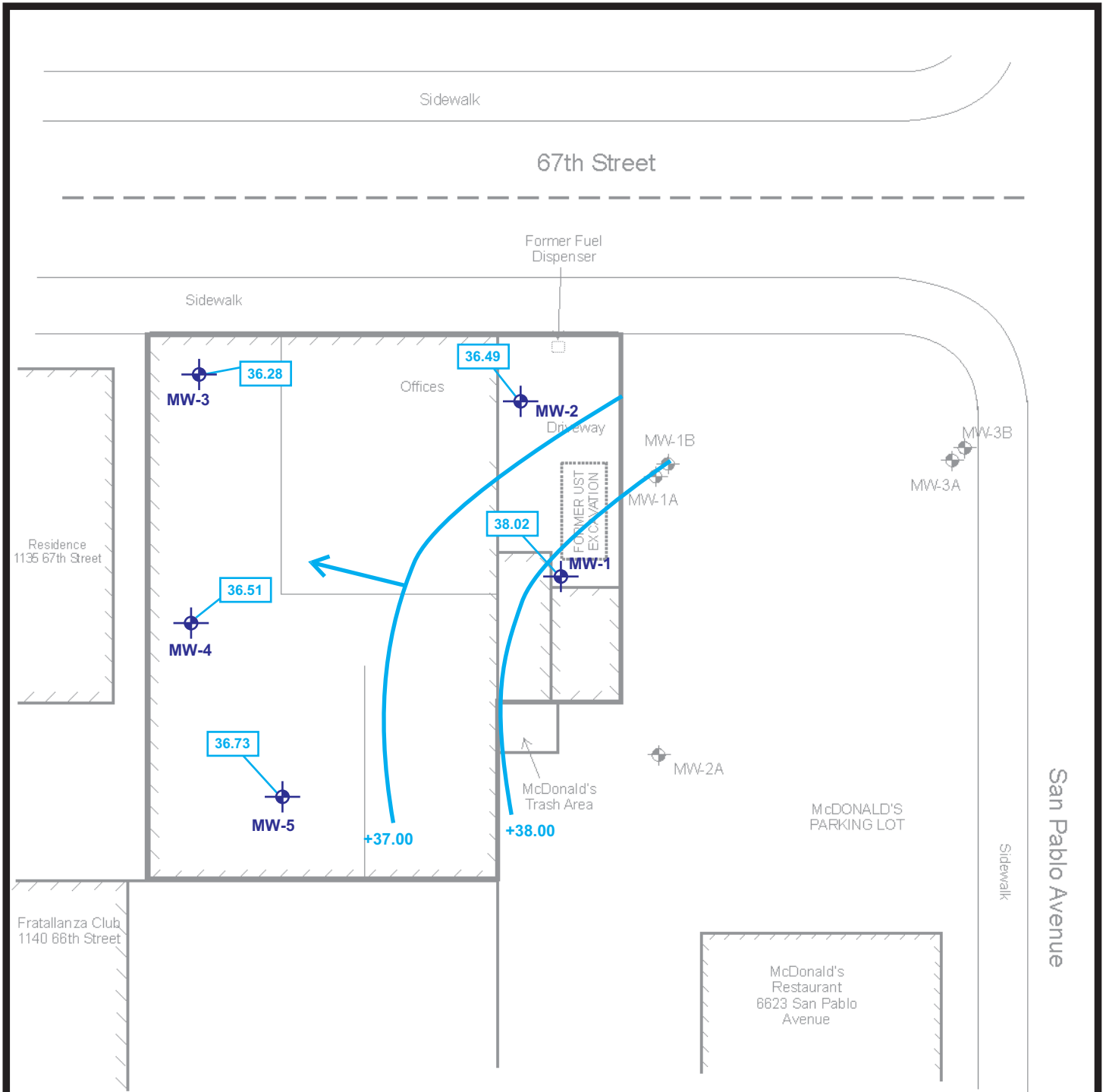
DATE: 08/20/07	FIGURE: 1
	



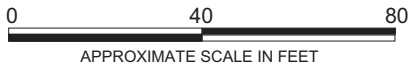
- - SOIL BORING LOCATION (GRIBI ASSOCIATES, 10/2006)
- ⊕ - GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007).
- - SOIL BORING LOCATION (TECACUTITE, 10/2005)
- ⊕ - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)



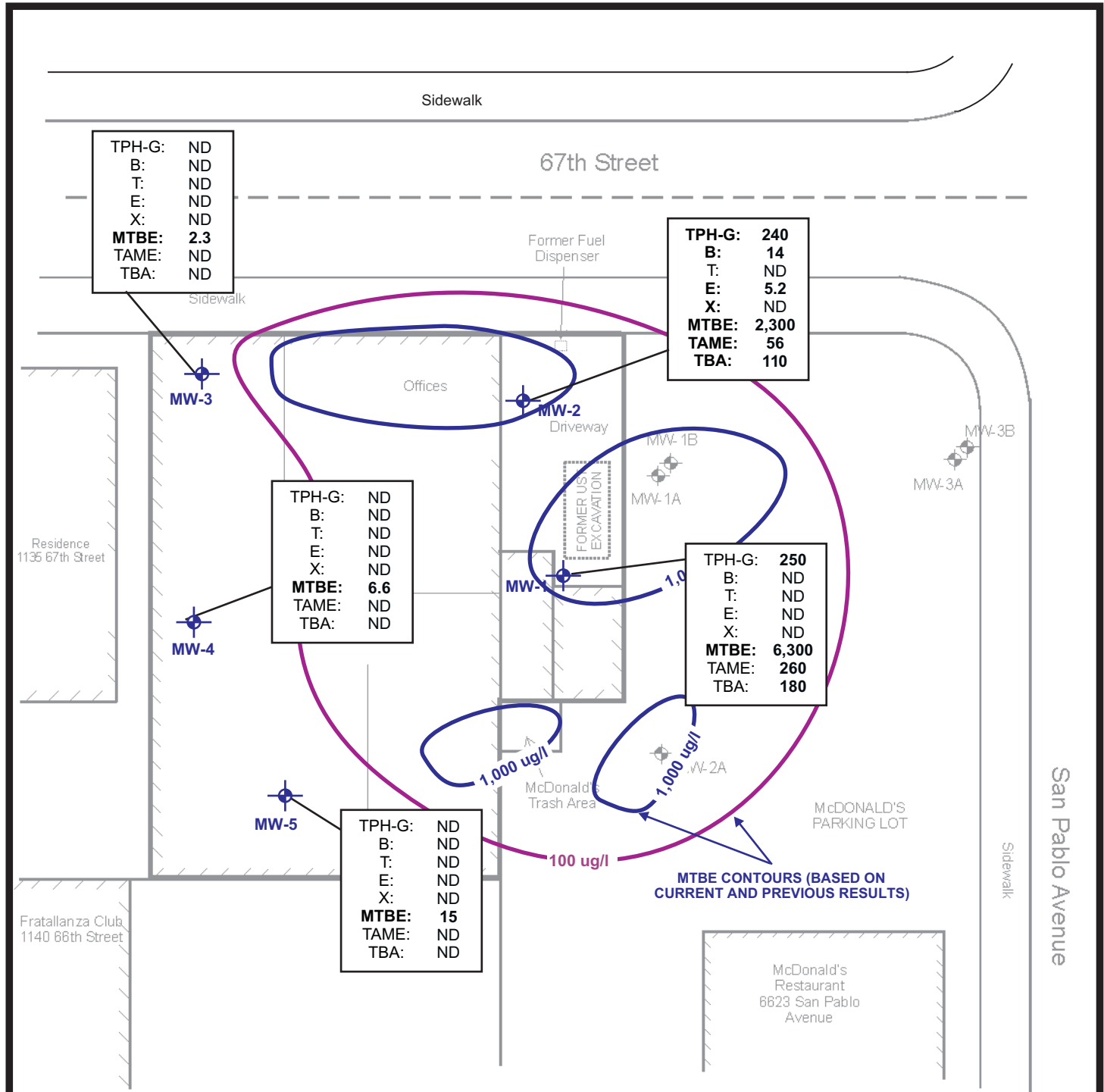
DESIGNED BY:	CHECKED BY: JEG	<b>SITE PLAN</b> ST. FRANCIS PIE SHOP/UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 08/20/2007	FIGURE: 2
DRAWN BY: JEG	SCALE:			
PROJECT NO: 320-01-01				



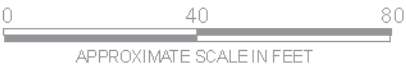
- GROUNDWATER MONITORING WELL LOCATION (GRIBI ASSOCIATES, 02/2007),  
 - GROUNDWATER MONITORING WELL, (BASELINE, 01/99)



DESIGNED BY:	CHECKED BY: JEG	<b>SHALLOW GROUNDWATER ELEVATIONS - 05/31/07</b> ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 08/20/2007	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 - 05/31/07</b>  ST. FRANCIS PIE SHOP UST SITE 1125 67TH STREET OAKLAND, CALIFORNIA	DATE: 08/20/2007	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.								Oxy
				TPH-G	B	T	E	X	MTBE		
MW-1	3/8/2007	4.86	39.54	130	<0.50	<0.50	<0.50	<1.0	5,800	TAME=220 TBA=2,500	
<44.40>	5/31/2007	6.38	38.02	250	<0.50	<0.50	<0.50	<1.0	6,300	TAME=260 TBA=180	
MW-2	3/8/2007	4.99	38.08	210	5.6	<0.50	4.8	<1.0	2,000	TAME=40 TBA=1,400	
<43.07>	5/31/2007	6.58	36.49	240	14	<0.50	5.2	<1.0	2,300	TAME=56 TBA=110	
MW-3	3/8/2007	5.79	37.63	<50	<0.50	<0.50	<0.50	<1.0	11	ND	
<43.42>	5/31/2007	7.14	36.28	<50	<0.50	<0.50	<0.50	<1.0	2.3	ND	
MW-4	3/8/2007	5.42	38.10	<50	<0.50	<0.50	<0.50	<1.0	5.6	ND	
<43.52>	5/31/2007	7.01	36.51	<50	<0.50	<0.50	<0.50	<1.0	6.6	ND	
MW-5	3/8/2007	6.98	36.77	<50	<0.50	<0.50	<0.50	<1.0	3.2	ND	
<43.75>	5/31/2007	7.02	36.73	<50	<0.50	<0.50	<0.50	<1.0	15	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 ST. FRANCIS PIE SHOP Project Number \_\_\_\_\_

Sampling Personnel ADG Date 5/31/07

Weather Conditions OVERCAST

Well ID MW-1 Casing Diameter (inches) 3/4"

Depth to Water (ft) ~~7.02'~~ 6.38' Total Depth (ft) 20'

Water Column (ft) ~~12.60'~~ 13.62' One Well Volume (gal) \_\_\_\_\_

3X Well Volume (gal) 1

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>Probe</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>2:45</u>	<u>1/2</u>	<u>17.35</u>	<u>1.733</u>	<u>132.8</u>	<u>6.58</u>	<u>40.5</u>	
<u>2:55</u>	<u>1/2</u>	<u>17.42</u>	<u>1.618</u>	<u>132.5</u>	<u>6.51</u>	<u>28.6</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 2:55

Sampler's Signature 

Ground Water Monitoring Field Sheet

Site St. Francis Fire Shop

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

Sampling Personnel ADG

Date 5/31/07

Weather Conditions Overcast

Well ID MW-2

Casing Diameter (inches) 3/4"

Depth to Water (ft) 6.58'

Total Depth (ft) 20'

Water Column (ft) 13.42'

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

3X Well Volume (gal) 1

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>Palast. Pump</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>1:45</u>	<u>1/2</u>	<u>18.44</u>	<u>1.339</u>	<u>128.2</u>	<u>6.93</u>	<u>26.8</u>	
<u>1:55</u>	<u>1/2</u>	<u>18.37</u>	<u>1.274</u>	<u>128.5</u>	<u>6.67</u>	<u>47.5</u>	

Sample Observations

Characteristic	None	Slight	Moderate	Strong	Comments
Color	<input checked="" type="checkbox"/>				
Odor		<input checked="" type="checkbox"/>			
Turbidity	<input checked="" type="checkbox"/>				
Sheen	<input checked="" type="checkbox"/>				
Floating Particles					
Precipitate					

Sample Time 1:55

Sampler's Signature ADG

Ground Water Monitoring Field Sheet

Site St. Francis Pie Shop

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

Sampling Personnel ADG

Date 5/31/07

Weather Conditions 0. KELLAST

Well ID MW-3

Casing Diameter (inches) 3/4"

Depth to Water (ft) 7.14'

Total Depth (ft) 20'

Water Column (ft) 12.86'

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

3X Well Volume (gal) 1

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>Perme</u>		<u>X</u>	<u>PERAST. Pump</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>10:15</u>	<u>1/2</u>	<u>17.62</u>	<u>1.444</u>	<u>125.3</u>	<u>5.67</u>	<u>202.5</u>	
<u>10:25</u>	<u>1/2</u>	<u>17.42</u>	<u>1.291</u>	<u>131.8</u>	<u>6.11</u>	<u>163.8</u>	
				<u>132.2</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 10:25

Sampler's Signature ADG

Ground Water Monitoring Field Sheet

Site ST. FRANCIS PIRE SHIP

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

Sampling Personnel AGI

Date 5/31/09

Weather Conditions Overcast

Well ID MW-4

Casing Diameter (inches) 3/4"

Depth to Water (ft) 7.21'

Total Depth (ft) 20'

Water Column (ft) 12.99'

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

3X Well Volume (gal) 1

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>PALAST. PMP</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>11:45</u>	<u>1/2</u>	<u>17.66</u>	<u>2.521</u>	<u>131.4</u>	<u>6.42</u>	<u>196.4</u>	
<u>11:55</u>	<u>1/2</u>	<u>17.69</u>	<u>2.509</u>	<u>131.5</u>	<u>5.88</u>	<u>169.7</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 11:55

Sampler's Signature AGI

Ground Water Monitoring Field Sheet

Site St. Francis Pie Shop

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

Sampling Personnel AG

Date 5/31/07

Weather Conditions Overcast

Well ID MW-5

Casing Diameter (inches) 3/4"

Depth to Water (ft) 7.02'

Total Depth (ft) 20'

Water Column (ft) 12.98'

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

3X Well Volume (gal) 1

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>Perast. Pump</u>

Field Parameters

Time	Volume Purged	Temp (Celsius)	E.C. (mS/cm)	D.O. (mg/L)	pH	ORP (mv)	Comments
<u>12:45</u>	<u>1/2</u>	<u>18.59</u>	<u>1.193</u>	<u>127.6</u>	<u>5.57</u>	<u>235.4</u>	
<u>12:55</u>	<u>1/2</u>	<u>18.60</u>	<u>1.209</u>	<u>127.5</u>	<u>6.59</u>	<u>126.0</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 12:55

Sampler's Signature AG



**ATTACHMENT B**

**LABORATORY DATA REPORTS AND  
CHAIN-OF-CUSTODY RECORDS**

07 June 2007

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 06/02/07 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "John J. Shepler". The signature is written in a cursive style with a large initial "J" and a long horizontal stroke at the end.

John Shepler  
Laboratory Director

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

Project: St Francis Pie Shop  
Project Number: 224-01-03  
Project Manager: Jim Gribi

**Reported:**  
06/07/07 13:54

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T700722-01	Water	05/31/07 14:55	06/02/07 09:30
MW-2	T700722-02	Water	05/31/07 13:55	06/02/07 09:30
MW-3	T700722-03	Water	05/31/07 10:25	06/02/07 09:30
MW-4	T700722-04	Water	05/31/07 11:55	06/02/07 09:30
MW-5	T700722-05	Water	05/31/07 12:55	06/02/07 09:30

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.*



John Shepler, Laboratory Director

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

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**MW-1**  
**T700722-01 (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	7060401	06/04/07	06/05/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>260</b>	50	"	25	"	"	06/05/07	"	
<b>Tert-butyl alcohol</b>	<b>180</b>	10	"	1	"	"	06/05/07	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>6300</b>	250	"	250	"	"	06/05/07	"	
<b>C6-C12 (GRO)</b>	<b>250</b>	50	"	1	"	"	06/05/07	"	
<i>Surrogate: Toluene-d8</i>		98.0 %		88.8-117	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.2 %		83.5-119	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		82.4 %		81.1-136	"	"	"	"	

SunStar Laboratories, Inc.

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



John Shepler, Laboratory Director

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

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**MW-2**  
**T700722-02 (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**

<b>Benzene</b>	<b>14</b>	0.50	ug/l	1	7060401	06/04/07	06/04/07	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.2</b>	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<b>Tert-amyl methyl ether</b>	<b>56</b>	2.0	"	"	"	"	"	"	
<b>Tert-butyl alcohol</b>	<b>110</b>	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>2300</b>	50	"	50	"	"	06/05/07	"	
<b>C6-C12 (GRO)</b>	<b>240</b>	50	"	1	"	"	06/04/07	"	
Surrogate: Toluene-d8		101 %	88.8-117		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.2 %	83.5-119		"	"	"	"	
Surrogate: Dibromofluoromethane		88.0 %	81.1-136		"	"	"	"	

SunStar Laboratories, Inc.

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John Shepler, Laboratory Director

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

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**MW-3**  
**T700722-03 (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**

Benzene	ND	0.50	ug/l	1	7060401	06/04/07	06/05/07	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>2.3</b>	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	88.8-117		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		81.8 %	81.1-136		"	"	"	"	

SunStar Laboratories, Inc.

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



John Shepler, Laboratory Director

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

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**MW-4**  
**T700722-04 (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**

Benzene	ND	0.50	ug/l	1	7060401	06/04/07	06/04/07	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>6.6</b>	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.5 %	88.8-117		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		85.6 %	81.1-136		"	"	"	"	

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 Benicia CA, 94510

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**MW-5**  
**T700722-05 (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**

Benzene	ND	0.50	ug/l	1	7060401	06/04/07	06/04/07	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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>15</b>	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.8 %	88.8-117		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	83.5-119		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		86.2 %	81.1-136		"	"	"	"	

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Project Manager: Jim Gribi

Reported:  
06/07/07 13:54

**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 7060401 - EPA 5030 GCMS**

**Blank (7060401-BLK1)**

Prepared & Analyzed: 06/04/07

Surrogate: Toluene-d8	7.90		ug/l	8.00		98.8	88.8-117			
Surrogate: 4-Bromofluorobenzene	8.07		"	8.00		101	83.5-119			
Surrogate: Dibromofluoromethane	6.76		"	8.00		84.5	81.1-136			
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	"							

**LCS (7060401-BS1)**

Prepared & Analyzed: 06/04/07

Surrogate: Toluene-d8	8.11		ug/l	8.00		101	88.8-117			
Surrogate: 4-Bromofluorobenzene	7.99		"	8.00		99.9	83.5-119			
Surrogate: Dibromofluoromethane	7.03		"	8.00		87.9	81.1-136			
Chlorobenzene	23.1	1.0	"	20.0		115	75-125			
1,1-Dichloroethene	21.0	1.0	"	20.0		105	75-125			
Trichloroethene	20.5	1.0	"	20.0		103	75-125			
Benzene	22.7	0.50	"	20.0		114	75-125			
Toluene	22.7	0.50	"	20.0		114	75-125			

**Matrix Spike (7060401-MS1)**

Source: T700721-01

Prepared & Analyzed: 06/04/07

Surrogate: Toluene-d8	7.93		ug/l	8.00		99.1	88.8-117			
Surrogate: 4-Bromofluorobenzene	7.87		"	8.00		98.4	83.5-119			
Surrogate: Dibromofluoromethane	6.91		"	8.00		86.4	81.1-136			
Chlorobenzene	19.9	1.0	"	20.0	ND	99.4	75-125			
1,1-Dichloroethene	17.7	1.0	"	20.0	ND	88.4	75-125			
Trichloroethene	17.2	1.0	"	20.0	ND	86.2	75-125			
Benzene	19.1	0.50	"	20.0	ND	95.5	75-125			
Toluene	19.0	0.50	"	20.0	ND	94.8	75-125			

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 Benicia CA, 94510

Project: St Francis Pie Shop  
 Project Number: 224-01-03  
 Project Manager: Jim Gribi

**Reported:**  
 06/07/07 13:54

**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 7060401 - EPA 5030 GCMS**

**Matrix Spike Dup (7060401-MSD1)**

**Source: T700721-01**

Prepared & Analyzed: 06/04/07

Surrogate: Toluene-d8	8.06		ug/l	8.00		101	88.8-117			
Surrogate: 4-Bromofluorobenzene	7.92		"	8.00		99.0	83.5-119			
Surrogate: Dibromofluoromethane	6.86		"	8.00		85.8	81.1-136			
Chlorobenzene	20.7	1.0	"	20.0	ND	104	75-125	4.14	20	
1,1-Dichloroethene	19.6	1.0	"	20.0	ND	97.9	75-125	10.3	20	
Trichloroethene	18.0	1.0	"	20.0	ND	90.0	75-125	4.31	20	
Benzene	19.7	0.50	"	20.0	ND	98.6	75-125	3.24	20	
Toluene	20.0	0.50	"	20.0	ND	99.8	75-125	5.09	20	

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Benicia CA, 94510

Project: St Francis Pie Shop  
Project Number: 224-01-03  
Project Manager: Jim Gribi

**Reported:**  
06/07/07 13:54

### 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

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John Shepler, Laboratory Director

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: **5/31/07** Page: **1** Of **1**  
 Project Name: **ST. FRANCIS PCE SHOP**  
 Collector: **DAVID GARCIA** Client Project #: **224-01-03**  
 Batch #: **T700722** Proposal #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/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 (Fuji List)	Halogenated VOCs (8260B)	Laboratory ID #	Preservative	Comments	Total # of containers		
MW-1	5/31/07	2:55	WATER	V2A												01	HCL		1		
MW-2		1:55														02	HCL		1		
MW-3		10:25														03	HCL		1		
MW-4		11:55														04	HCL		1		
MW-5		12:55														05	HCL		1		
<b>STD. TAT</b>																					
Relinquished by: (signature) <i>[Signature]</i>				Date / Time: 5/31/07 5:22				Received by: (signature) <i>[Signature]</i>				Date / Time: 6/1/07 2:30				Total # of containers		20		Notes <b>NEED EDF FILE</b>	
Relinquished by: (signature) <b>GSO</b>				Date / Time: 6-2-07 09:30				Received by: (signature) <i>[Signature]</i>				Date / Time: 6-2-07 09:30				Chain of Custody seals <input checked="" type="checkbox"/> N/A					
Relinquished by: (signature)				Date / Time				Received by: (signature)				Date / Time				Seals intact? <input checked="" type="checkbox"/> N/A		Received good condition/cold <input checked="" type="checkbox"/> N/A			
Turn around time: _____																					

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