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2:53 pm, Jan 12, 2009

Alameda County Environmental Health

December 9, 2008

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

Attention: Barbara Jakub

Subject: Third Quarter 2008 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 *Third Quarter 2008 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,

John Buschini

1260 Shell Circle

John Buschi.

Clayton, CA 94517



December 9, 2008

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

Attention: Barbara Jakub

Subject: Third Quarter 2008 Groundwater Monitoring Report

1125 67th Street Oakland, Ca ACDEH Site No. RO2602

Ladies and Gentlemen:

Gribi Associates is pleased to submit this Third Quarter 2008 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 September 18, 2008.

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 September 18, 2008.
- 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 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 6.80 feet (MW-2) to 10.35 feet (MW-5).
- 2. Groundwater elevations ranged from 33.40 feet above means sea level (msl) (MW-5) to 37.20 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 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 monitoring event indicate primarily a single groundwater MTBE/TBA plume located in the vicinity of MW-1 and MW-2.
 - a. This MTBE/TBA groundwater plume does not appear to extend a significant distance laterally.
 - b. The MTBE/TBA groundwater plume appears to be attenuating over time, particularly in the area of MW-1.

PLANNED ACTIVITIES

1. Gribi Associates will perform Fourth Quarter 2008 groundwater monitoring and sampling at the site and plans to move forward with remediation for the contamination.



Alameda County Department of Environmental Health December 9, 2008 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

James & Al

No. 5843

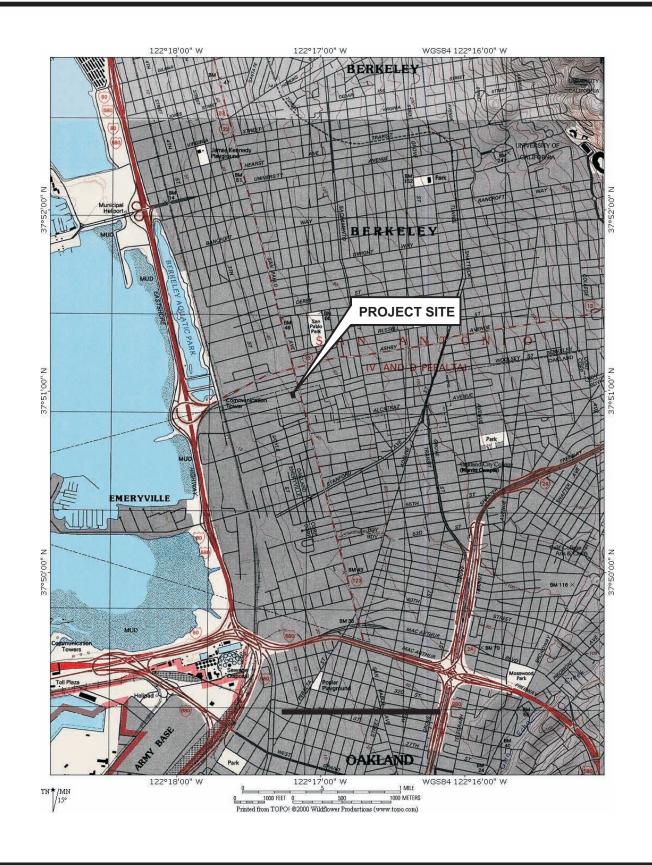
Enclosure

cc: Mr. John Buschini



FIGURES





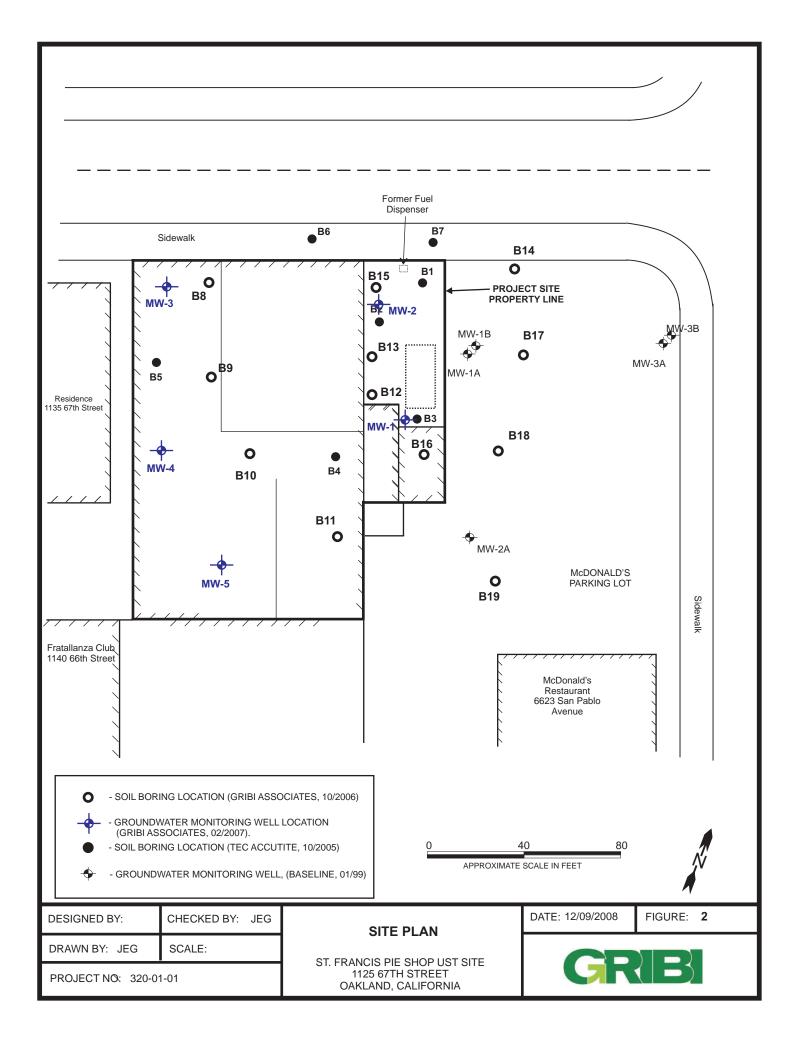
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DRAWN BY: JG	SCALE:
PROJECT NO: 320-01	-01

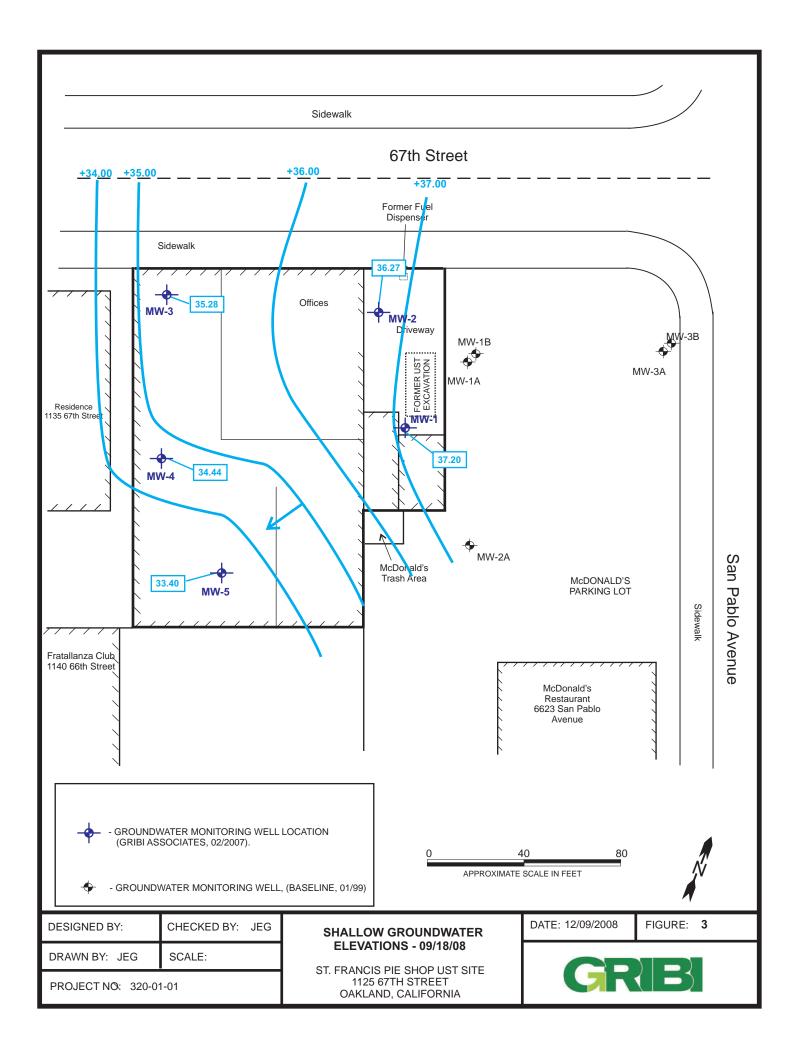
SITE VICINITY MAP

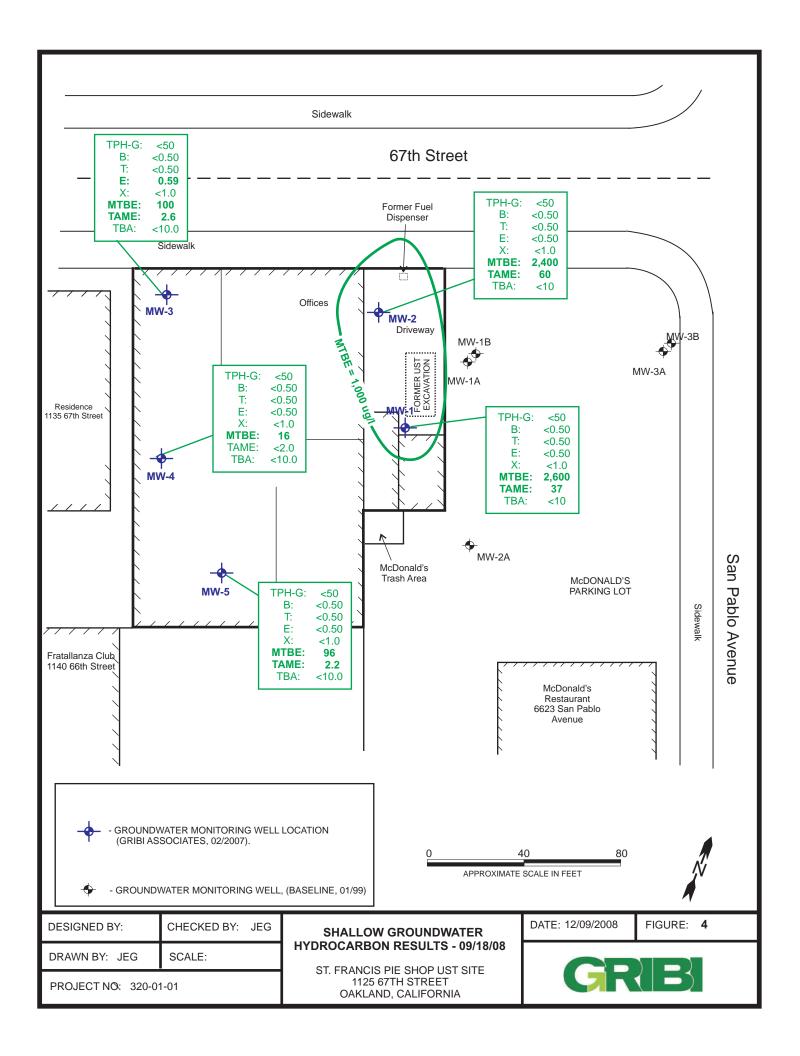
ST. FRANCIS PIE SHOP 1125 67th STREET OAKLAND, CALIFORNIA DATE: 08/20/07

FIGURE: 1









TABLE



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

Well	_	GW	GW	st. Francis				rams per lite	er, ug/l)	
ID	Date	Depth	Elev.	TPH-G	В	T	Е	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
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
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
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 02/29/2008	7.47	36.05	<50 <50	<0.50 <0.50	<0.50	<0.50	<1.0	26	ND
	05/29/2008	5.26 8.73	38.26 34.79	<50	< 0.50	<0.50 <0.50	<0.50 <0.50	<1.0 <1.0	12 35	ND ND
	09/18/2008	9.08	34.79	<50	< 0.50	< 0.50	<0.50	<1.0	35 16	ND ND
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

Notes:

GW Elev = Groundwater mean sea level elevation TPH-G = Total Petroleum Hydrocarbons as gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

E = Ethyloenzene

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



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Precipita	ate										

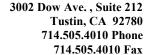
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One Well V	Notes: One Well Volume is determined by multiplying "Water Column" by: * 0.059 for ¾ inch well, 0.17 for 2 inch well, 0.38 for 3 inch well, 0.66 for 4 inch well, 1.50 for 6 inch well													
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ATTACHMENT B

LABORATORY DATA REPORTS AND CHAIN-OF-CUSTODY RECORDS







25 September 2008

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 09/20/08 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Albert Vargas

Senior Project Coordinator

aller Vargas

Chain of Custody Record

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

Client: GRIBI ASSOCIATE	=5				_			Date			<u> </u>	וטו	00	<u>v </u>			-/-	Page	<u>e. Ol</u>		
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Project Manager: JAMES (GRIBI				-			Coll Bate	ch #:	: T	80	11	87					Propo	osal #:		
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Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	T801182-01	Water	09/18/08 13:30	09/20/08 09:30
MW-2	T801182-02	Water	09/18/08 11:45	09/20/08 09:30
MW-3	T801182-03	Water	09/18/08 08:00	09/20/08 09:30
MW-4	T801182-04	Water	09/18/08 09:00	09/20/08 09:30
MW-5	T801182-05	Water	09/18/08 10:00	09/20/08 09:30

SunStar Laboratories, Inc.

Allee Wargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

MW-1 T801182-01 (Water)

Analyte	Result	Limit SunStar La	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Reporting							

SunStar Laboratories, Inc.											
Volatile Organic Compounds by F	EPA Method 82601	В									
Benzene	ND	0.50	ug/l	1	8092201	09/22/08	09/23/08	EPA 8260B			
Toluene	ND	0.50	"	"	"	"	"	"			
Ethylbenzene	0.87	0.50	"	"	"	"	"	"			
m,p-Xylene	1.5	1.0	"	"	"	"	"	"			
o-Xylene	ND	0.50	"	"	"	"	"	"			
Tert-amyl methyl ether	37	2.0	"	"	"	"	"	"			
Tert-butyl alcohol	ND	10	"	"	"	"	"	"			
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"			
Ethyl tert-butyl ether	ND	2.0	**	"	"	"	"	"			
Methyl tert-butyl ether	2600	25	**	25	"	"	09/24/08	"			
C6-C12 (GRO)	ND	50	"	1	"	"	09/23/08	"			
Surrogate: 4-Bromofluorobenzene		93.6 %	77.1-	110	"	"	"	"			
Surrogate: Dibromofluoromethane		105 %	66.3-	111	"	"	"	"			
Surrogate: Toluene-d8		102 %	84.7-	109	"	"	"	"			

SunStar Laboratories, Inc.

Allee Wargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

MW-2 T801182-02 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

SunStar Laboratories, Inc.

		SunStar La	iborator	ies, Inc.					
Volatile Organic Compounds by E	PA Method 8260	В							
Benzene	ND	0.50	ug/l	1	8092201	09/22/08	09/23/08	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	60	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	2400	50	"	50	"	"	09/24/08	"	
C6-C12 (GRO)	ND	50	"	1	"	"	09/23/08	"	
Surrogate: 4-Bromofluorobenzene		96.3 %	77.1-	110	"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	66.3-	111	"	"	"	"	
Surrogate: Toluene-d8		101 %	84.7-	109	"	"	"	"	

SunStar Laboratories, Inc.

Allee Wargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite K Project Number: [none] Reported: Benicia CA, 94510 Project Manager: Jim Gribi 09/25/08 16:29

MW-3 T801182-03 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

		SunStar La	aboratori	ies, Inc.					
Volatile Organic Compounds by E	PA Method 8260I	В							
Benzene	ND	0.50	ug/l	1	8092201	09/22/08	09/23/08	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	0.59	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Tert-amyl methyl ether	2.6	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	100	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	77.1-	110	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	66.3-	111	"	"	"	"	
Surrogate: Toluene-d8		101 %	84.7-	109	"	"	"	"	

SunStar Laboratories, Inc.

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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 09/25/08 16:29

MW-4 T801182-04 (Water)

I										
ı			Reporting							
ı	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

	SunStar La	boratori	es, Inc.					
Volatile Organic Compounds by EPA Method 82	60B							
Benzene ND	0.50	ug/l	1	8092201	09/22/08	09/23/08	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 16	1.0	"	"	"	"	"	"	
C6-C12 (GRO) ND	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.5 %	77.1-	110	"	"	"	"	
Surrogate: Dibromofluoromethane	105 %	66.3-	111	"	"	"	"	
Surrogate: Toluene-d8	100 %	84.7-	109	"	"	"	"	

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Allee Wargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite K Project Number: [none] Reported: Benicia CA, 94510 Project Manager: Jim Gribi 09/25/08 16:29

MW-5 T801182-05 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

	9	SunStar La	aboratori	ies, Inc.					
Volatile Organic Compounds by El	PA Method 8260E	3							
Benzene	ND	0.50	ug/l	1	8092201	09/22/08	09/23/08	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	2.2	2.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Methyl tert-butyl ether	96	1.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	77.1-	110	"	"	"	"	
Surrogate: Dibromofluoromethane		104 %	66.3-	111	"	"	"	"	
Surrogate: Toluene-d8		102 %	84.7-	109	"	"	"	"	

SunStar Laboratories, Inc.

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Analyte

3002 Dow Ave. , Suite 212 Tustin, CA 92780 714.505.4010 Phone 714.505.4010 Fax

RPD

Limit

Notes

Gribi Associates Project: St Francis Pie Shop

Result

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

Reporting

Limit

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

Units

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

Blank (8092201-BLK1)				Prepared: 09/2	2/08 Analyze	d: 09/23/08
Chlorobenzene	ND	1.0	ug/l			
1,1-Dichloroethene	ND	1.0	"			
Trichloroethene	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	15.4		"	16.0	96.4	77.1-110
Surrogate: Dibromofluoromethane	16.0		"	16.0	100	66.3-111
Surrogate: Toluene-d8	16.0		"	16.0	100	84.7-109
LCS (8092201-BS1)				Prepared: 09/2	2/08 Analyze	d: 09/23/08
Chlorobenzene	19.6	1.0	ug/l	20.0	98.2	75-125
1,1-Dichloroethene	18.6	1.0	"	20.0	92.9	75-125
Trichloroethene	25.0	1.0	"	20.0	125	75-125
Benzene	21.1	0.50	"	20.0	106	75-125
Toluene	20.1	0.50	"	20.0	100	75-125
Surrogate: 4-Bromofluorobenzene	16.5		"	16.0	103	77.1-110
Surrogate: Dibromofluoromethane	16.7		"	16.0	104	66.3-111
Surrogate: Toluene-d8	16.4		"	16.0	103	84.7-109

SunStar Laboratories, Inc.

Aller Vargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

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 8092201 - EPA 5030 GCMS										
LCS Dup (8092201-BSD1)				Prepared:	09/22/08	Analyzed	1: 09/23/08			
Chlorobenzene	19.2	1.0	ug/l	20.0		95.9	75-125	2.32	20	
1,1-Dichloroethene	21.8	1.0	"	20.0		109	75-125	16.0	20	
Trichloroethene	22.5	1.0	"	20.0		113	75-125	10.3	20	
Benzene	20.9	0.50	"	20.0		105	75-125	0.905	20	
Toluene	19.4	0.50	"	20.0		97.2	75-125	3.29	20	
Surrogate: 4-Bromofluorobenzene	16.0		"	16.0		100	77.1-110			
Surrogate: Dibromofluoromethane	16.4		"	16.0		103	66.3-111			
Surrogate: Toluene-d8	15.9		"	16.0		99.6	84.7-109			

SunStar Laboratories, Inc.

Alber Wargas



Gribi Associates Project: St Francis Pie Shop

1090 Adam Street, Suite KProject Number: [none]Reported:Benicia CA, 94510Project Manager: Jim Gribi09/25/08 16:29

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.

Aller Vargas