



Denis L. Brown

Shell Oil Products US

HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

April 13, 2005

Ms. Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
APR 13 2005
ENVIRONMENTAL SERVICES

Re: Groundwater Monitoring Report – First Quarter 2005
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, California
SAP Code: 117941
Incident No. 97109122

Dear Mr. Leibold:

Equilon Enterprises LLC dba Shell Oil Products US (Shell) is providing this cover letter for the attached report as recommended in Appendix A of the "Tri-Regional Board Staff Recommendation For Preliminary Evaluation and Investigation of Underground Tank Sites".

To the best of Shell's knowledge:

- Local Implementing Agency (LIA) guidelines have been implemented.
- The attached reports are accurate.
- Shell agrees with the conclusions and recommendations contained with the report.

Shell plans to send the next quarterly status report by June 30, 2005.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Shell Oil Products US

Denis L. Brown

Sr. Environmental Engineer

April 13, 2005

Roseanna Garcia-La Grille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: First Quarter 2005 Annual Groundwater Monitoring Report
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, California
SAP Code 117941
Incident No. 97109122



Dear Ms. Garcia-La Grille:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FIRST QUARTER 2005 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a site vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, including the analytical laboratory report and supporting field documents, is presented as Attachment A.

The groundwater monitoring indicated a northwesterly groundwater flow direction. No indication of free product was observed in groundwater. Based upon the groundwater flow direction and the low chemical concentrations, it appears that no significant hydrocarbon plume is present.

**Cambria
Environmental
Technology, Inc.**

270 Perkins Street
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

C A M B R I A

ANTICIPATED FUTURE ACTIVITIES


Groundwater Monitoring: The next sampling event is scheduled for first quarter 2006. At that time, Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

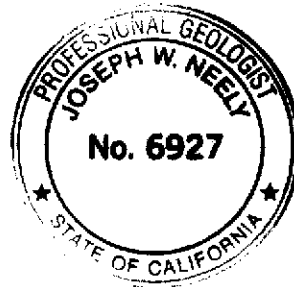
CLOSING



We appreciate the opportunity to work with you on this project. Please call Ana Friel at (707) 268-3812, if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

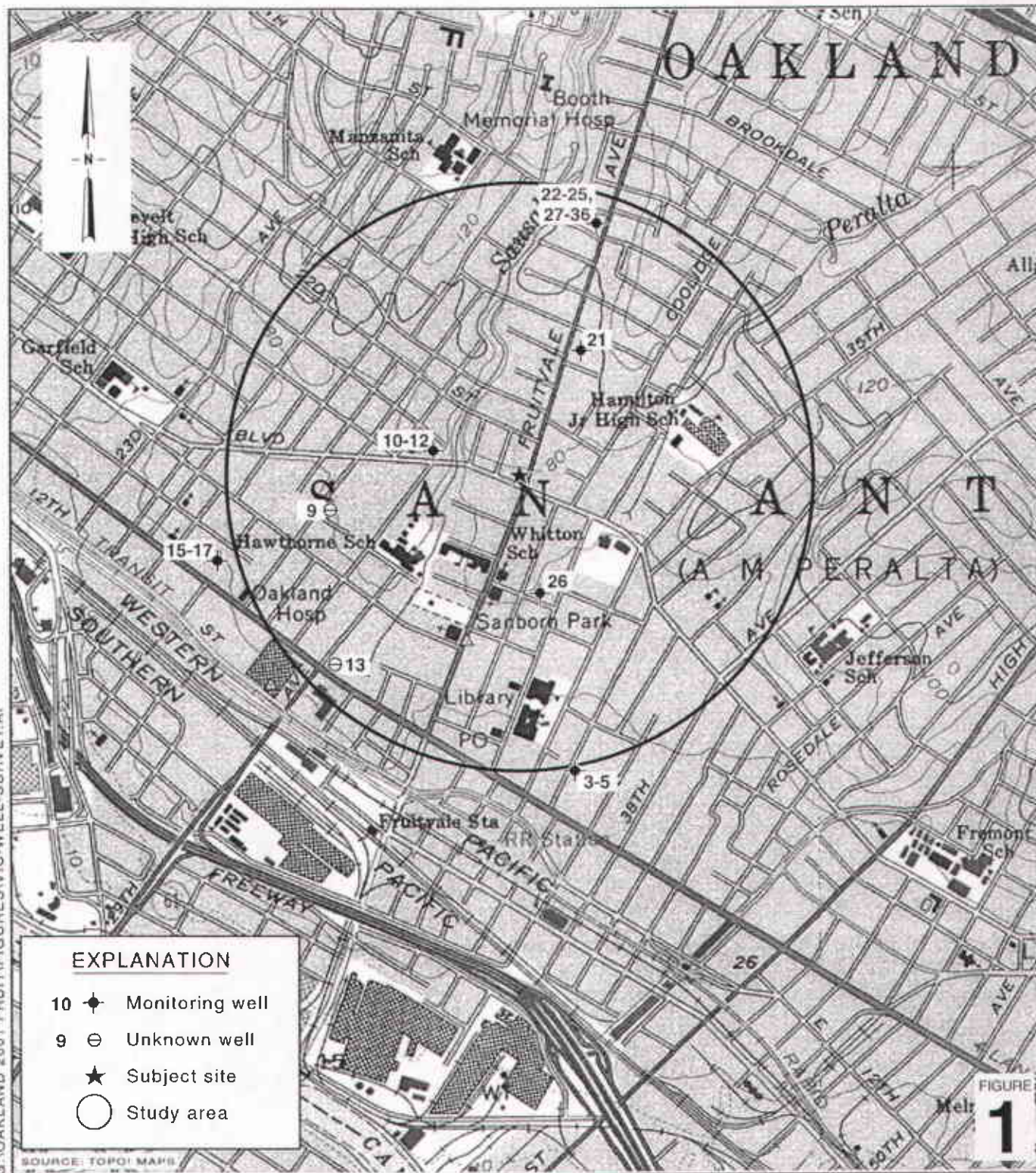

Ana Friel *for*
Senior Project Geologist
PG 6452



Figures: 1 - Vicinity/Area Well Survey Map
2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Ave., Carson, CA 90810
Mr. Fidel P. & Mrs. Dolores G. Casillas, 2910 East 16th Street, Oakland, CA 94601



Former Shell Service Station
 2001 Fruitvale Avenue
 Oakland, California
 Incident #97109122



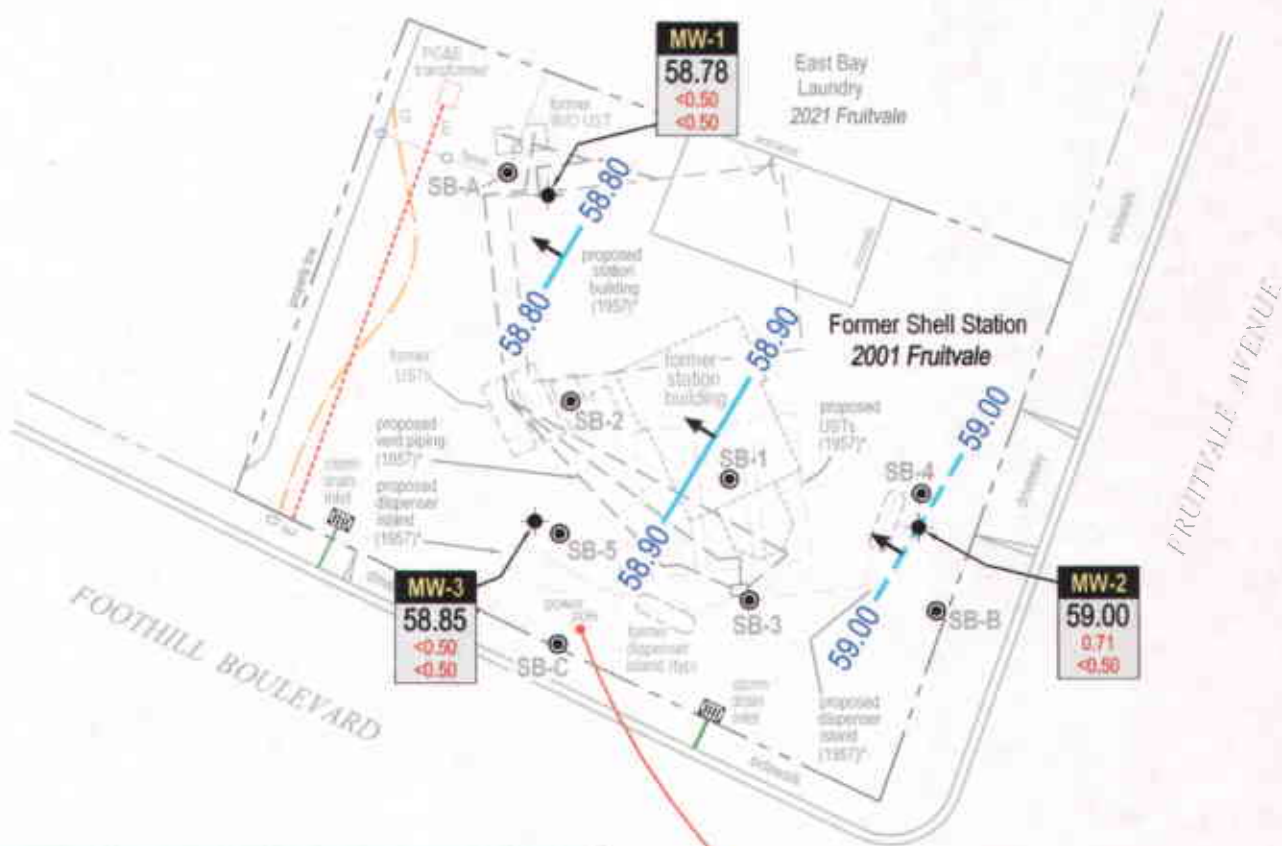
C A M B R I A

**Site Vicinity/Area Well
 Survey Map**

(1/2 Mile Radius)

G:\OAKLAND 2001 FRUITFIGURES\VIC-WELL-SURVEY.A1

SOURCE: TOPOI MAPS



EXPLANATION

- MW-1 Monitoring well location (Cambria, 03/03)
- SB-A Soil boring location (Cambria, 03/99)
- SB-1 Soil boring location (AllCal, 01/96)
- Gas line (G)
- Storm drain line (SD)
- Electrical line (E)
- Overhead electrical line (OE)
- Items marked "proposed" on 1957 site plan; undetermined if ever installed
- Groundwater flow direction
- xx.xx* Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred
- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.

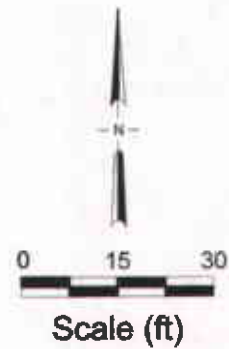


FIGURE
2

O:\OAKLAND 2001 FRUITVALE\FIGURE\FIG005.DWG

Former Shell Service Station
 2001 Fruitvale Avenue
 Oakland, California
 Incident #97109122



**Groundwater Elevation
 Contour Map**
 January 13, 2005

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 23, 2005

Karen Petryna
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2005 Groundwater Monitoring at
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Monitoring performed January 13, 2005

Groundwater Monitoring Report 050113-BA-3

This report covers the routine monitoring of groundwater wells at this former Shell facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purge water (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	05/01/2003	NA	NA	NA	NA	NA	NA	NA	74.37	18.82	55.55
MW-1	05/13/2003	260 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	18.99	55.38
MW-1	07/01/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	21.11	53.26
MW-1	11/04/2003	86 a	170 a	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	23.44	50.93
MW-1	01/22/2004	<50	62 a	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	18.30	56.07
MW-1	04/01/2004	69 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	18.82	55.55
MW-1	01/13/2005	64 a	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.37	15.59	58.78

MW-2	05/01/2003	NA	NA	NA	NA	NA	NA	NA	74.25	18.48	55.77
MW-2	05/13/2003	190	120 a	<0.50	<0.50	1.3	5.2	<0.50	74.25	18.71	55.54
MW-2	07/01/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.25	20.64	53.61
MW-2	11/04/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	74.25	23.16	51.09
MW-2	01/22/2004	200	97 a	<0.50	<0.50	6.1	2.4	<0.50	74.25	17.94	56.31
MW-2	04/01/2004	150	100 a	<0.50	<0.50	3.9	1.9	<0.50	74.25	18.64	55.61
MW-2	01/13/2005	1600	570 a	0.71	1.1	54	24	<0.50	74.25	15.25	59.00

MW-3	05/01/2003	NA	NA	NA	NA	NA	NA	NA	73.63	18.00	55.63
MW-3	05/13/2003	6,100 a	160 a	<0.50	<0.50	<0.50	<1.0	<0.50	73.63	18.12	55.51
MW-3	07/01/2003	210	57 a	<0.50	<0.50	<0.50	<1.0	<0.50	73.63	20.00	53.63
MW-3	11/04/2003	4,200	630 a	<5.0	<5.0	8.7	10	<5.0	73.63	23.28	50.35
MW-3	01/22/2004	350 a	110 a	<0.50	<0.50	<0.50	<1.0	<0.50	73.63	17.60	56.03
MW-3	04/01/2004	150	<50	<0.50	<0.50	<0.50	<1.0	<0.50	73.63	18.00	55.63
MW-3	01/13/2005	170 a	92 a	<0.50	<0.50	<0.50	<1.0	<0.50	73.63	14.78	58.85

WELL CONCENTRATIONS
Former Shell Service Station
2001 Fruitvale Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

Notes:

a = Hydrocarbon does not match pattern of laboratory's standard.

Site surveyed May 29, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

January 28, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 050113-BA3
Project: 97109122
Site: 2001 Fruitvale Ave., Oakland

Dear Mr. Gearhart,

Attached is our report for your samples received on 01/14/2005 11:46
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
02/28/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	01/13/2005 11:28	Water	1
MW-2	01/13/2005 11:46	Water	2
MW-3	01/13/2005 11:10	Water	3

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2005-01-0407 - 1
Sampled:	01/13/2005 11:28	Extracted:	1/19/2005 20:08
Matrix:	Water	QC Batch#:	2005/01/19-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	64	50	ug/L	1.00	01/19/2005 20:08	Q6
Benzene	ND	0.50	ug/L	1.00	01/19/2005 20:08	
Toluene	ND	0.50	ug/L	1.00	01/19/2005 20:08	
Ethylbenzene	ND	0.50	ug/L	1.00	01/19/2005 20:08	
Total xylenes	ND	1.0	ug/L	1.00	01/19/2005 20:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/19/2005 20:08	
Surrogate(s)						
1,2-Dichloroethane-d4	96.9	73-130	%	1.00	01/19/2005 20:08	
Toluene-d8	97.0	81-114	%	1.00	01/19/2005 20:08	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-2	Lab ID: 2005-01-0407 - 2
Sampled: 01/13/2005 11:46	Extracted: 1/19/2005 20:34
Matrix: Water	QC Batch#: 2005/01/19-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	1600	50	ug/L	1.00	01/19/2005 20:34	
Benzene	0.71	0.50	ug/L	1.00	01/19/2005 20:34	
Toluene	1.1	0.50	ug/L	1.00	01/19/2005 20:34	
Ethylbenzene	54	0.50	ug/L	1.00	01/19/2005 20:34	
Total xylenes	24	1.0	ug/L	1.00	01/19/2005 20:34	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/19/2005 20:34	
Surrogate(s)						
1,2-Dichloroethane-d4	90.2	73-130	%	1.00	01/19/2005 20:34	
Toluene-d8	98.8	81-114	%	1.00	01/19/2005 20:34	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-3	Lab ID:	2005-01-0407 - 3
Sampled:	01/13/2005 11:10	Extracted:	1/19/2005 21:01
Matrix:	Water	QC Batch#:	2005/01/19-1C.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	170	50	ug/L	1.00	01/19/2005 21:01	Q1
Benzene	ND	0.50	ug/L	1.00	01/19/2005 21:01	
Toluene	ND	0.50	ug/L	1.00	01/19/2005 21:01	
Ethylbenzene	ND	0.50	ug/L	1.00	01/19/2005 21:01	
Total xylenes	ND	1.0	ug/L	1.00	01/19/2005 21:01	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/19/2005 21:01	
Surrogate(s)						
1,2-Dichloroethane-d4	94.7	73-130	%	1.00	01/19/2005 21:01	
Toluene-d8	98.5	81-114	%	1.00	01/19/2005 21:01	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/01/19-1C.65-030

Water

Test(s): 8260B

QC Batch # 2005/01/19-1C.65

Date Extracted: 01/19/2005 13:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	01/19/2005 13:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/19/2005 13:30	
Benzene	ND	0.5	ug/L	01/19/2005 13:30	
Toluene	ND	0.5	ug/L	01/19/2005 13:30	
Ethylbenzene	ND	0.5	ug/L	01/19/2005 13:30	
Total xylenes	ND	1.0	ug/L	01/19/2005 13:30	
Surrogates(s)					
1,2-Dichloroethane-d4	94.8	73-130	%	01/19/2005 13:30	
Toluene-d8	97.0	81-114	%	01/19/2005 13:30	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/19-1C.65

LCS 2005/01/19-1C.65-004

Extracted: 01/19/2005

Analyzed: 01/19/2005 13:04

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	19.2		25	76.8			65-165	20		
Benzene	18.9		25	75.6			69-129	20		
Toluene	19.7		25	78.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	409		500	81.8			73-130			
Toluene-d8	480		500	96.0			81-114			

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Batch QC Report			
Prep(s):	5030B	Test(s):	8260B
Matrix Spike (MS / MSD)		Water	QC Batch # 2005/01/19-1C.65
MS/MSD		Lab ID:	2005-01-0361 - 001
MS:	2005/01/19-1C.65-054	Extracted:	01/19/2005
		Analyzed:	01/19/2005 14:54
		Dilution:	1.00
MSD:	2005/01/19-1C.65-020	Extracted:	01/19/2005
		Analyzed:	01/19/2005 15:20
		Dilution:	1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	83.4	85.9	67.6	25	63.2	73.2	14.7	65-165	20	M5	
Benzene	20.9	17.2	ND	25	83.6	68.8	19.4	69-129	20		M5
Toluene	21.3	18.0	ND	25	85.2	72.0	16.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	388	411		500	77.6	82.2		73-130			
Toluene-d8	491	483		500	98.2	96.6		81-114			

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Legend and Notes

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	01/13/2005 11:28	Water	1
MW-2	01/13/2005 11:46	Water	2
MW-3	01/13/2005 11:10	Water	3

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-1	Lab ID: 2005-01-0407 - 1
Sampled: 01/13/2005 11:28	Extracted: 1/25/2005 12:27
Matrix: Water	QC Batch#: 2005/01/25-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	01/26/2005 20:29	
<i>Surrogate(s)</i> o-Terphenyl	90.6	78-177	%	1.00	01/26/2005 20:29	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-2	Lab ID: 2005-01-0407 - 2
Sampled: 01/13/2005 11:46	Extracted: 1/25/2005 12:27
Matrix: Water	QC Batch#: 2005/01/25-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	570	50	ug/L	1.00	01/26/2005 20:02	edr
Surrogate(s) o-Terphenyl	92.0	78-177	%	1.00	01/26/2005 20:02	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-3	Lab ID: 2005-01-0407 - 3
Sampled: 01/13/2005 11:10	Extracted: 1/25/2005 12:27
Matrix: Water	QC Batch#: 2005/01/25-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	92	50	ug/L	1.00	01/26/2005 19:35	edr
<i>Surrogate(s)</i>						
o-Terphenyl	93.8	78-177	%	1.00	01/26/2005 19:35	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3

97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3511

Method Blank

MB: 2005/01/25-03.10-001

Water

Test(s): 8015M

QC Batch # 2005/01/25-03.10

Date Extracted: 01/25/2005 12:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	01/26/2005 09:18	
Surrogates(s) o-Terphenyl	118.8	78-177	%	01/26/2005 09:18	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2005/01/25-03.10

LCS 2005/01/25-03.10-002

Extracted: 01/25/2005

Analyzed: 01/26/2005 09:44

LCSD 2005/01/25-03.10-003

Extracted: 01/25/2005

Analyzed: 01/26/2005 10:11

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	559	586	680	82.2	86.2	4.8	60-150	25		
Surrogates(s)										
o-Terphenyl	1.41	1.35	1.25	113.1	108.1		78-177	0		

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

01/27/2005 14:17

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 050113-BA3
97109122

Received: 01/14/2005 11:46

Site: 2001 Fruitvale Ave., Oakland

Legend and Notes

Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

SHELL Chain Of Custody Record

49565

Lab Identification (if necessary):

Address:

City, State, Zip

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Karen Petryna

2005-01-0407

INCIDENT NUMBER (S&E ONLY)

9 7 1 0 9 1 2 2

SAP or CRMT NUMBER (TS/CRMT)

DATE: 1/13/05

PAGE: 1 of 1

SAMPLING COMPANY Bialine Tech Services	LOG CODE BTSS	SITE ADDRESS (Street and City) 2001 Fruitvale Ave., Oakland	SILENCE NO. T0600102236
ADDRESS 1680 Rogers Avenue, San Jose, CA 95112	EDI DELIVERABLE TO (Manufacturer Party or Designee) Ann Krentl		PHONE NO. 510-420-3335
PROJECT CONTACT (Name and Title of POC Representative) Leon Gearhart	CONTRACT PROJECT NO. 050113-BA3		EMAIL ShellOaklandEDF@cambrla-env.com
TELEPHONE 408-573-0556	FAX 408-573-7771	EMAIL lgearhart@bialinetech.com	SAMPLE NAME(S) (Print) Brian Alcam

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RIVQ'S REPORT FORMAT USE AGENCY:

GC/MS NTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	% OF CONT.	TPH - Gas, Purgeable	BTX	MTBE (9031B - 5ppb RL)	NTBE (9280B - 0.5ppb RL)	Oxogenates (9) by (9260B)	Ethanol (8280B)	Methanol	1,2-DCA (8280B)	EDB (8280B)	TPH - Diesel, Extractable (8015m)
		DATE	TIME												
	MW-1	1/13	1128	W	6	X	X	X							X
	MW-2	1	1146	↓	↓	X	X	X							X
	MW-3	↓	1110	↓	↓	X	X	X							X

FIELD NOTES:
 Container/Preservative or PID Readings or Laboratory Notes

20°C

TEMPERATURE ON RECEIPT °C

Requested by (Signature) 	Received by (Signature) 	Date: 1/14/05	Time: 1146
Requested by (Signature) 	Received by (Signature) 	Date: 01/14/05	Time: 1738
Requested by (Signature) 	Received by (Signature) 	Date: 01/14/05	Time: 1738

WELL GAUGING DATA

Project # 050113-BA3 Date 1/13/05 Client Shell

Site 2001 Fruitvale, Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	4					15.59	29.68	TOC
MW-2	4					15.25	30.27	↓
MW-3	4					14.78	29.75	

SHELL WELL MONITORING DATA SHEET

BTS #: <u>050113-BA3</u>	Site: <u>2001 Fruitvale, Oakland</u>
Sampler: <u>Brian Alcorn</u>	Date: <u>1/13/05</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>29.68</u>	Depth to Water (DTW): <u>15.59</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>18.40</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

Other: _____

$$\frac{9.2 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 27.6 \text{ Gals.}$$

Specified Volumes
Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² + 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1123	64.2	6.3	484	73	9.5	clear - mild gray color
1125	66.4	6.3	479	67	19.0	" "
1127	66.4	6.4	470	37	28.5	clear, "

Did well dewater? Yes No Gallons actually evacuated: 28.5

Sampling Date: 1/13/05 Sampling Time: 1128 Depth to Water: 17.28

Sample I.D.: MW-1 Laboratory: STL Other: _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

EB I.D. (if applicable): _____ @ _____ Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

3TS #: <u>050113-BAS</u>	Site: <u>2001 Fruitvale, Oakland</u>
Sampler: <u>Brian Alcorn</u>	Date: <u>1/13/05</u>
Well I.D.: <u>MW-2</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth (TD): <u>30.27</u>	Depth to Water (DTW): <u>15.25</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>18.25</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>(Bailer)</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	--

$\underline{9.8} \text{ (Gals.)} \times \underline{3} = \underline{29.4} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1141	64.6	6.5	436	42	10.0	clear, mild odor
1143	66.5	6.3	451	35	20.0	" "
1145	67.3	6.3	436	27	50.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 30.0

Sampling Date: 1/13/05 Sampling Time: 1146 Depth to Water: 18.25

Sample I.D.: MW-2 Laboratory: (STL) Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 050113-BA3	Site: 2001 Fruitvale, Oakland
Sampler: Brian Alcorn	Date: 1/13/05
Well I.D.: MW3	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 29.75	Depth to Water (DTW): 14.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.77	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric (Submersible)	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: (Bailer) Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	--	--

$\frac{9.75 \text{ (Gals.)} \times 3}{\text{Specified Volume}} = \frac{29.25 \text{ Gals.}}{\text{Calculated Volume}}$	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> <th style="text-align: left;">Well Diameter</th> <th style="text-align: left;">Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1104	63.1	6.8	579	43	10.0	clear
1106	65.3	6.3	485	18	20.0	"
1108	67.0	6.3	469	10	30.0	"

Did well dewater? Yes **(No)** Gallons actually evacuated: **30.0**

Sampling Date: **1/13/05** Sampling Time: **11:00** Depth to Water: **15.87**

Sample I.D.: **MW-3** Laboratory: **(STL)** Other _____

Analyzed for: **(TPH-G) (BTEX) (MTBE) (TPH-D)** Other: _____

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SITE INSPECTION CHECKLIST

Client Skell Date 1/10/05
 Site Address 2001 Fruitvale Ave., Oakland
 Job Number 050110-MG2 Technician MG

Site Status _____ Branded Station _____ Vacant Lot _____ Other East Bay Laundry Parking Lot

- Inspected / Labeled / Cleaned - All Wells on Scope Of Work
- Inspected / Cleaned Components - All Other Identifiable Wells (N/A)
- Inspected Site for Investigation Related Trip Hazards
- Addressed All Outstanding Wellhead Repair Order(s) (N/A)
- Completed Repair Data Sheets(s) N/A
- Inspected Treatment / Remediation System Compound For Security, Cleanliness and Appearance (N/A)
- Inspected Vacant Lot for Signs of Habitation, Hazardous Materials or Terrain, Overgrown Vegetation and Security (N/A)

PLEASE BE ADVISED THAT, UNLESS OTHERWISE INSTRUCTED, NO REPAIRS ARE PLANNED FOR THE ISSUES DESCRIBED BELOW

Outstanding Problems / Comments	(In addition to other issues, note all SOW wellboxes that, by design, are not securable)

PROJECT COORDINATOR ONLY

Checklist Reviewed LG 1/12/05 Notes _____
Initial/Date

REPAIR DATA SHEET

Client Shell Date 1/10/05

Site Address 2001 Fruitvale Ave, Oakland

Job Number 050110-MG2 Technician MG

Repair Location MW-3

Deficiencies Corrected Gasket broken.
Replaced w/ new gasket.

Materials Used gasket

Repair Location _____

Deficiencies Corrected _____

Materials Used _____

Repair Location _____

Deficiencies Corrected _____

Materials Used _____

Repair Location _____

Deficiencies Corrected _____

Materials Used _____

Repair Location _____

Deficiencies Corrected _____

Materials Used _____

Repair Location _____

Deficiencies Corrected _____

Materials Used _____