

ENVIRONMENTAL
PROTECTION

May 7, 1996

95 MAY -9 PM 12.28

Mr. R. Jeff Granberry
Shell Oil Products Company
P.O. Box 4023
Concord, California 94524

20300

RE: **Quarterly Monitoring Report - First Quarter 1996**
Former Shell Service Station
2101 Park Boulevard
Oakland, California
WIC #204-5508-1206

Dear Mr. Granberry:

This Quarterly Monitoring Report describes the recently completed activities associated with ground water monitoring and sampling at the referenced site (Plate 1). This report was prepared to meet quarterly reporting guidelines issued by the Regional Water Quality Control Board, San Francisco Bay Region and the Alameda County Health Care Services Agency (ACHCSA).

Quarterly Monitoring & Sampling Summary

Ground water monitoring and sampling for the first quarter of 1996 are summarized below:

- Blaine Tech Services Inc. (Blaine Tech) of San Jose, measured ground water levels and collected ground water samples from Wells S-1, S-2, and S-3 on March 25, 1996. The samples were transported to National Environmental Testing, Inc. (NET) of Santa Rosa, California for chemical analysis.
- Ground water level measurement data were evaluated and used to prepare a ground water contour map (Plate 3). Ground water flow direction appears to be south at a calculated hydraulic gradient of 0.04.
- The ground water from Well S-3 contained 7,300 ppb TPPH and 560 ppb benzene. Wells S-1 and S-2 contained TPPH concentrations ranging from 70 to 180 ppb and benzene concentrations ranging from ND to 12 ppb. Well S-1 also contained 220 ppb TEPH.

Quarterly Sampling

Monitoring Wells S-1, S-2, and S-3 were sampled and analyzed for Total Purgeable Petroleum Hydrocarbons (TPPH) according to EPA Method 8015 (Modified) and benzene, toluene, ethylbenzene and xylenes (BTEX) according to EPA Method 8020. Monitoring Well S-1 was also analyzed for Total Extractable Petroleum Hydrocarbons (TEPH) according to EPA Method 8015 (Modified). Additionally, an equipment blank and a duplicate sample were prepared and analyzed for quality control purposes.

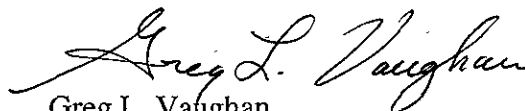
Field monitoring data and chemical analytical data for TPPH, TEPH and BTEX have been included in Table 1. A ground water contour/benzene concentration map is presented as Plate 2. The Blaine Tech ground water monitoring report is presented in Appendix A.

Quarterly monitoring, sampling, and reporting will continue on the established schedule for the next quarter.

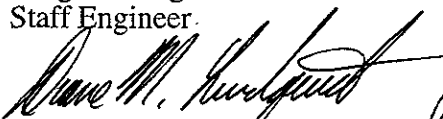
If you have any questions regarding the contents of this document, please call.

Sincerely,

Enviros, Inc.



Greg L. Vaughan
Staff Engineer



Diane M. Lundquist, P.E.
Senior Engineer
C46725



Attachments

Table 1. Well Concentrations

Plate 1. Vicinity Map

Plate 2. Ground Water Contour/Benzene Concentration Map

Appendix A

Blaine Tech Services Inc - Quarterly Ground Water Sampling Report

cc: Mr. Barney Chan, Alameda County Health Care Services Agency
Mr. Frank J. Schlessinger, Schlessinger & Associates
Mr. Steve Makara, Goodyear Tire & Rubber Company

TABLE 1

WELL CONCENTRATIONS
Shell Oil Products Company
2101 Park Boulevard
Oakland, California
WIC #204-5508-1206

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	O & G by 5520 B (ug/L)	O & G by 5520 B/F (ug/L)	MTBE (ug/L)	Comments
S-1 Top casing elevation (ft):				11.93									
20-Jun-95	4.67	7.26	0.00	160	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
12-Sep-95	4.19	7.74	0.00	<50	250	3.0	<0.5	<0.5	<0.5	<5000	<5000	NA	
28-Dec-95	5.30	6.63	0.00	70	160	1.1	<0.5	<0.5	1.3	<5000	<5000	NA	
25-Mar-96	3.44	8.49	0.00	70	220	<0.5	<0.5	<0.5	<0.5	NA	NA	<2.0	
S-2 Top casing elevation (ft):				12.06									
20-Jun-95	5.80	6.26	0.00	180	NA	1.1	<0.5	<0.5	0.6	NA	NA	NA	
12-Sep-95	5.78	6.28	0.00	190	NA	18	<0.5	1.2	0.6	NA	NA	NA	
28-Dec-95	4.02	8.04	0.00	200	NA	11	1.0	1.0	4.0	NA	NA	NA	
25-Mar-96	5.56	6.50	0.00	180	NA	12	0.8	1.4	1.0	NA	NA	<2.0	
S-3 Top casing elevation (ft):				13.54									
20-Jun-95	4.90	8.64	0.00	5500	NA	240	34	120	840	NA	NA	NA	
12-Sep-95	5.37	8.17	0.00	5200	NA	690	14	290	280	NA	NA	NA	
28-Dec-95	3.90	9.64	0.00	13000	NA	670	34	960	1400	NA	NA	NA	
25-Mar-96	4.30	9.24	0.00	7300	NA	560	65	540	820	NA	NA	<200	
S-3 (DUP)													
20-Jun-95	NA	NA	NA	6300	NA	270	37	120	1100	NA	NA	NA	
12-Sep-95	NA	NA	NA	4700	NA	620	13	260	240	NA	NA	NA	
28-Dec-95	NA	NA	NA	13000	NA	800	34	1000	1600	NA	NA	NA	
25-Mar-96	NA	NA	NA	7400	NA	580	19	620	670	NA	NA	<20	

TABLE 1

**WELL CONCENTRATIONS
Shell Oil Products Company
2101 Park Boulevard
Oakland, California
WIC #204-5508-1206**

Sample Date	Measured GW Depth (ft)	Corrected GW Elev (ft)	SP (ft)	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	O & G by 5520 B (ug/L)	O & G by 5520 B/F (ug/L)	MTBE (ug/L)	Comments
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Abbreviations

NA = Not analyzed or not available

TPPH = Total Purgeable Petroleum Hydrocarbons carbon range C6 to C12 by EPA Method 8015 (Modified)
(previously reported as Total Petroleum Hydrocarbons as Gasoline)

TPH-D = Total Extractable Petroleum Hydrocarbons carbon range C9 to C24 by EPA Method 8015 (Modified)
(previously reported as Total Petroleum Hydrocarbons as Diesel)

O&G = Oil and Grease

<x = Not detected at detection limit of x

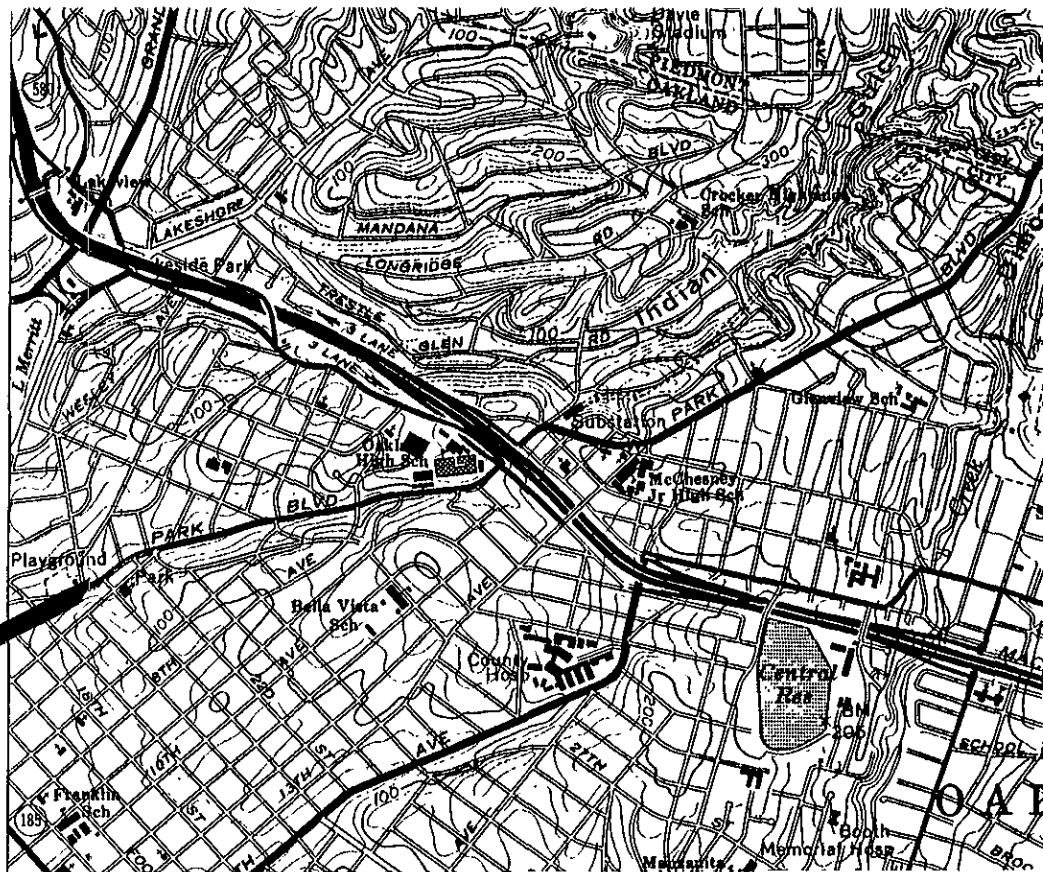
(DUP) = Duplicate sample

MTBE = Methyl-tert-butyl ether

Note

All wells surveyed to Mean Sea Level

Site Location



PLATE

1

VICINITY MAP
Former Shell Service Station
2101 Park Boulevard
Oakland, California

enviros®
E4195267.01

Drawn By: GLV

Date: 2-24-95

Approved By: CSC

Date: 5/7/96

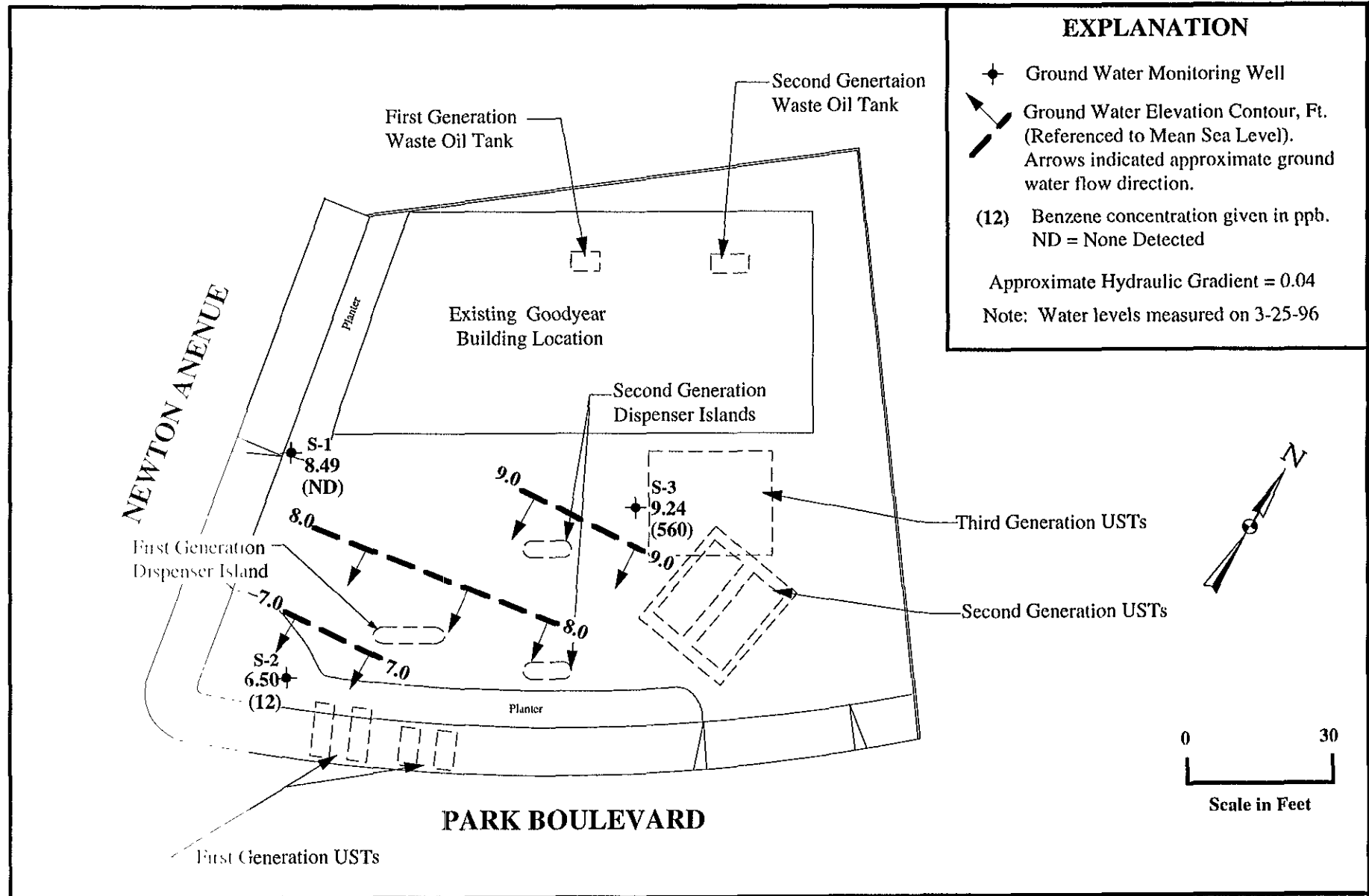


PLATE **2** **GROUND WATER CONTOUR/BENZENE CONCENTRATION MAP**
 Former Shell Service Station
 2101 Park Boulevard
 Oakland, California

enviros®
 95267

Drawn By: GLV Date: 4-29-96

Approved By: CJG Date: 5/7/96

Appendix A

**BLAINE TECH SERVICES INC.
Quarterly Ground Water Sampling Report**



BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

RECEIVED
APR 25 1996

April 22, 1996

Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attn: R. Jeff Granberry

Shell WIC #204-5508-1206
2101 Park Blvd.
Oakland, California

1st Quarter 1996

Quarterly Groundwater Monitoring Report 960325-A-2

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. Copies of our Sampling Report along with the laboratory's Certified Analytical Report are forwarded to the consultant overseeing work at this site. Submission of the assembled documents to interested regulatory agencies will be made by the designated consultant.

Groundwater monitoring at this site was performed in accordance with Standard Operating Procedures provided to the interested regulatory agencies. If you have any questions about the work performed at this site please call me at (408) 995-5535 ext. 201.

Yours truly,



Francis Thie

attachments: Table of Well Gauging Data
Chain of Custody
Field Data Sheets
Certified Analytical Report

cc: Enviros, Inc.
19411 Riverside Dr.
P.O. Box 259
Sonoma, CA 95476-0259
Attn: Joe Neely

(Any professional evaluations or recommendations will be made by the consultant under separate cover)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
S-1	3/25/96	TOC	--	NONE	--	--	3.44	17.25
S-2	3/25/96	TOC	--	NONE	--	--	5.56	17.37
S-3 *	3/25/96	TOC	ODOR	NONE	--	--	4.30	17.02

* Sample DUP was a duplicate sample taken from well S-3.



NATIONAL
ENVIRONMENTAL
TESTING, INC.

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Jim Keller
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

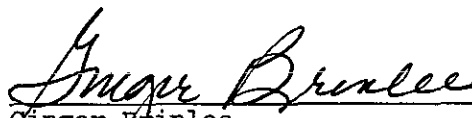
Date: 04/12/1996
NET Client Acct. No: 1821
NET Job No: 96.01110
Received: 03/27/1996

Client Reference Information

Shell 2101 Park Blvd. Oakland, CA/960325-A2

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. All positive results have been confirmed as required. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2305.

Submitted by:



Ginger Brinlee
Project Coordinator

Enclosure(s)



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110

Date: 04/12/1996
ELAP Cert: 1386
Page: 2

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

SAMPLE DESCRIPTION: S-1
NET SAMPLE NUMBER: 262500

DATE TAKEN: 03/25/1996
TIME TAKEN: 12:40

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Batch
			Limit				Extracted	Analyzed	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	1						03/28/1996		3609
Purgeable TPH	70		50		ug/L	8015	03/28/1996		3609
Carbon Range: C6 to C12	--					8015	03/28/1996		3609
8020 (GC, Liquid)	--					8020	03/28/1996		3609
Benzene	ND		0.5		ug/L	8020	03/28/1996		3609
Toluene	ND		0.5		ug/L	8020	03/28/1996		3609
Ethylbenzene	ND		0.5		ug/L	8020	03/28/1996		3609
Xylenes (Total)	ND		0.5		ug/L	8020	03/28/1996		3609
SURROGATE RESULTS	--						03/28/1996		3609
Bromofluorobenzene (SURR)	85				% Rec.	8020		03/28/1996	3609
3510/8015-M (Shell)									
							04/10/1996		
DILUTION FACTOR*	1							04/11/1996	1221
Extractable TPH	220		50		ug/L	3510/M8015		04/11/1996	1221
Carbon range: C9 to C24	--							04/11/1996	1221

SAMPLE DESCRIPTION: S-2
NET SAMPLE NUMBER: 262501

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:06

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Batch
			Limit				Extracted	Analyzed	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	1						03/28/1996		3609
Purgeable TPH	180		50		ug/L	8015	03/28/1996		3609
Carbon Range: C6 to C12	--					8015	03/28/1996		3609
8020 (GC, Liquid)	--					8020	03/28/1996		3609
Benzene	12		0.5		ug/L	8020	03/28/1996		3609
Toluene	0.8		0.5		ug/L	8020	03/28/1996		3609
Ethylbenzene	1.4		0.5		ug/L	8020	03/28/1996		3609
Xylenes (Total)	1.0		0.5		ug/L	8020	03/28/1996		3609
SURROGATE RESULTS	--						03/28/1996		3609
Bromofluorobenzene (SURR)	86				% Rec.	8020		03/28/1996	3609

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110

Date: 04/12/1996
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SAMPLE DESCRIPTION: S-3
NET SAMPLE NUMBER: 262502

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:33

Parameter	Results	Flags	Reporting		Method	Date	Date	Batch
			Limit	Units		Extracted	Analyzed	No.
5030/8015-M/8020 Shell+MTBE								
DILUTION FACTOR*	100						03/28/1996	3609
Purgeable TPH	7,300		5,000	ug/L	8015		03/28/1996	3609
Carbon Range: C6 to C12	--				8015		03/28/1996	3609
8020 (GC, Liquid)	--				8020		03/28/1996	3609
Benzene	560		50	ug/L	8020		03/28/1996	3609
Toluene	65		50	ug/L	8020		03/28/1996	3609
Ethylbenzene	540		50	ug/L	8020		03/28/1996	3609
Xylenes (Total)	820		50	ug/L	8020		03/28/1996	3609
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	76			% Rec.	8020		03/28/1996	3609

SAMPLE DESCRIPTION: EB
NET SAMPLE NUMBER: 262503

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:10

Parameter	Results	Flags	Reporting		Method	Date	Date	Batch
			Limit	Units		Extracted	Analyzed	No.
5030/8015-M/8020 Shell+MTBE								
DILUTION FACTOR*	1						03/28/1996	3609
Purgeable TPH	ND		50	ug/L	8015		03/28/1996	3609
Carbon Range: C6 to C12	--				8015		03/28/1996	3609
8020 (GC, Liquid)	--				8020		03/28/1996	3609
Benzene	ND		0.5	ug/L	8020		03/28/1996	3609
Toluene	ND		0.5	ug/L	8020		03/28/1996	3609
Ethylbenzene	ND		0.5	ug/L	8020		03/28/1996	3609
Xylenes (Total)	ND		0.5	ug/L	8020		03/28/1996	3609
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	84			% Rec.	8020		03/28/1996	3609

NOTE. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety

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Client Acct: 1821
NET Job No: 96.01110

Date: 04/12/1996
ELAP Cert: 1386
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Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

SAMPLE DESCRIPTION: DUP
NET SAMPLE NUMBER: 262504

DATE TAKEN: 03/25/1996
TIME TAKEN:

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Batch No.
5030/8015-M/8020 Shell+MTBE								
DILUTION FACTOR*	10						03/29/1996	3610
Purgeable TPH	7,400		500	ug/L	8015		03/29/1996	3610
Carbon Range: C6 to C12	--				8015		03/29/1996	3610
8020 (GC, Liquid)	--				8020		03/29/1996	3610
Benzene	580	FE	25	ug/L	8020		04/02/1996	3613
Toluene	19		5	ug/L	8020		03/29/1996	3610
Ethylbenzene	620	FE	25	ug/L	8020		04/02/1996	3613
Xylenes (Total)	670		5	ug/L	8020		03/29/1996	3610
SURROGATE RESULTS	--						03/29/1996	3610
Bromofluorobenzene (SURR)	98			% Rec.	8020		03/29/1996	3610

NOTE Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found					
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	106.0	0.53	0.50	mg/L	03/28/1996	aal	3609
Benzene	91.8	4.59	5.00	ug/L	03/28/1996	aal	3609
Toluene	87.4	4.37	5.00	ug/L	03/28/1996	aal	3609
Ethylbenzene	91.2	4.56	5.00	ug/L	03/28/1996	aal	3609
Xylenes (Total)	92.7	13.9	15.0	ug/L	03/28/1996	aal	3609
Bromofluorobenzene (SURR)	84.0	84	100	% Rec.	03/28/1996	aal	3609
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	104.0	0.52	0.50	mg/L	03/29/1996		3610
Benzene	94.2	4.71	5.00	ug/L	03/29/1996		3610
Toluene	91.6	4.58	5.00	ug/L	03/29/1996		3610
Ethylbenzene	92.8	4.64	5.00	ug/L	03/29/1996		3610
Xylenes (Total)	94.8	14.22	15.0	ug/L	03/29/1996		3610
Bromofluorobenzene (SURR)	83.0	83	100	% Rec.	03/29/1996		3610
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	100.0	0.50	0.50	mg/L	04/02/1996	aal	3613
Benzene	89.0	4.45	5.00	ug/L	04/02/1996	aal	3613
Toluene	98.8	4.94	5.00	ug/L	04/02/1996	aal	3613
Ethylbenzene	86.8	4.34	5.00	ug/L	04/02/1996	aal	3613
Xylenes (Total)	89.0	13.35	15.0	ug/L	04/02/1996	aal	3613
Bromofluorobenzene (SURR)	80.0	80	100	% Rec.	04/02/1996	aal	3613
3510/8015-M (Shell)							
Extractable TPH	90.8	908	1000	mg/L	04/11/1996	dla	1221

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110

Date: 04/12/1996
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METHOD BLANK REPORT

Parameter	Method	Reporting	Flags	Units	Date	Analyst	Run
	Blank						
	Found	Limit			Analyzed	Initials	Number
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	ND	0.05		mg/L	03/28/1996	aal	3609
Benzene	ND	0.5		ug/L	03/28/1996	aal	3609
Toluene	ND	0.5		ug/L	03/28/1996	aal	3609
Ethylbenzene	ND	0.5		ug/L	03/28/1996	aal	3609
Xylenes (Total)	ND	0.5		ug/L	03/28/1996	aal	3609
Bromofluorobenzene (SURR)	80			% Rec.	03/28/1996	aal	3609
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	ND	0.05		mg/L	03/29/1996		3610
Benzene	ND	0.5		ug/L	03/29/1996		3610
Toluene	ND	0.5		ug/L	03/29/1996		3610
Ethylbenzene	ND	0.5		ug/L	03/29/1996		3610
Xylenes (Total)	ND	0.5		ug/L	03/29/1996		3610
Bromofluorobenzene (SURR)	90			% Rec.	03/29/1996		3610
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	ND	0.050		mg/L	04/02/1996	aal	3613
Benzene	ND	0.50		ug/L	04/02/1996	aal	3613
Toluene	ND	0.50		ug/L	04/02/1996	aal	3613
Ethylbenzene	ND	0.50		ug/L	04/02/1996	aal	3613
Xylenes (Total)	ND	0.50		ug/L	04/02/1996	aal	3613
Bromofluorobenzene (SURR)	83			% Rec.	04/02/1996	aal	3613
3510/8015-M (Shell)							
Extractable TPH	ND	0.050		mg/L	04/11/1996	dla	1221

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike			Spike Amount	Sample Conc.	Matrix Spike			Flags	Units	Date Analyzed	Run Batch	Sample Spiked
	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD			Matrix Spike Conc.	Matrix Spike Dup. Conc.	Conc.					
5030/8015-M/8020 Shell+MTBE													262438
Purgeable TPH	100.0	86.0	15.0	0.5	ND	0.50	0.43			mg/L	03/28/1996	3609	262438
Benzene	100.8	89.1	12.2	5.99	ND	6.04	5.34			ug/L	03/28/1996	3609	262438
Toluene	101.3	89.1	12.7	23.04	ND	23.34	20.54			ug/L	03/28/1996	3609	262438
Bromofluorobenzene (SURR)	93.0	81.0	13.8	100	83	93	81			% Rec.	03/28/1996	3609	262438
5030/8015-M/8020 Shell+MTBE													262507
Purgeable TPH	92.0	82.0	11.5	0.5	0.11	0.57	0.52			mg/L	03/29/1996	3610	262507
Benzene	98.7	92.0	7.0	6.25	1.4	7.57	7.15			ug/L	03/29/1996	3610	262507
Toluene	99.2	95.0	4.3	24.08	ND	23.88	22.87			ug/L	03/29/1996	3610	262507
Bromofluorobenzene (SURR)	96.0	96.0	0.0	100	88	96	96			% Rec.	03/29/1996	3610	262507
5030/8015-M/8020 Shell+MTBE													262636
Purgeable TPH	98.0	91.2	7.2	0.5	ND	0.49	0.456			mg/L	04/02/1996	3613	262636
Benzene	98.3	94.9	3.5	5.9	ND	5.8	5.6			ug/L	04/02/1996	3613	262636
Toluene	97.0	93.9	3.2	23.0	ND	22.3	21.6			ug/L	04/02/1996	3613	262636
Bromofluorobenzene (SURR)	87.0	87.0	0.0	100	83	87	87			% Rec.	04/02/1996	3613	262636
3510/8015-M (Shell)													262986
Extractable TPH	76.0	75.1	1.2	1.92	ND	1.46	1.42			mg/L	04/11/1996	1221	262986

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110

Date: 04/12/1996
ELAP Cert: 1386
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Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Rec.	DUP LCS % Rec.	RPD	DUP			Flags	Units	Date Analyzed	Analyst Initials	Run Batch
				LCS Amount Found	LCS Amount Found	LCS Amount Exp.					
3510/8015-M (Shell) Extractable TPH	69.0			0.69		1.00		mg/L	04/11/1996	dla	1221



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 960325-A2

Date: 3-25-96

Page 1 of 1

0849

Site Address: 2101 Park Blvd., Oakland, CA

WIC#: 204-5508-1206

Shell Engineer: R Jeff Greenberry Phone No.: (510) 675-6169
Bynn-Walker Fax #:

Consultant Name & Address: Blaine Tech Services, Inc. 985 Timothy Dr., San Jose, CA

Consultant Contact: Fran Thie Phone No.: (408) 995-5535, 201 Fax #: 293-8773

Comments:

Sampled by: RANDY VALENTINE

Printed Name:

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N
	X				X	X				
					X	X				
					X	X				
					X	X				
					X	Y				

LAB: NET

CHECK ONE (1) BOX ONLY	CT/DY	TURN AROUND TIME
G.W. Monitoring <input checked="" type="checkbox"/>	4441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	4442	16 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	4452	
Water Rem. or Sys. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as possible of 24/48 hr. TAT.

UST AGENCY:

Sample ID	Date	TIME Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
S-1 ✓	3/25	1240		X		5		X				X	X							
S-2 ✓		1306		X		3						X	X							
S-3 ✓		1333		X		3						X	X							
EB ✓		1310		X		3						X	X							
DUP ✓				X		3						X	Y							

CUSTODY SEALED

Date: 3/26/96 Time: 17:01 Initials: PS

SEAL INTACT?

Yes No Initials: SM

Relinquished By (signature): <u>Randy Valentine</u>	Printed Name: <u>RANDY VALENTINE</u>	Date: <u>3-25</u> Time: <u>1005</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>P. Smart</u>	Date: <u>3/26/96</u> Time: <u>1045</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>P. Smart</u>	Date: <u>3-26-96</u> Time: <u>1701</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>PAM GREENE</u>	Date: <u>3/27/96</u> Time: <u>18100</u>
Relinquished By (signature):	Printed Name:	Date: Time:	Received (signature):	Printed Name:	Date: Time:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

VIA: NCB

CLIENT: Blaine Tech JOB #: 96-01110 LOG #: 0849
Project ID: 960315-A2
Samples Received On: 3/27/96 Checked in on: 3/27/96

1) Custody Seals: N/A Present Absent Broken

2) Chain of Custody Present Absent #(s): _____
Forms: Complete Incomplete _____

3) Type of packing material used: Ice

4) Temperature(s) 0 °C Thermometer #(s) _____

5) Sample Container(s) Intact Broken _____

6) Container Label(s) Match COC Do Not Match _____

7) Sample Volume Sufficient Insufficient _____

8) Preservative(s) Correct Incorrect pH verified Res.Cl chk (CN & PHLs)

9) Headspace (VOAs) None Present (list ID's / number vials affected)

Sample ID	# of Vials	Sample ID	# of Vials
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

10) Form Completed By: Ann Steene Date: 3/27/96
Attach shipper's packing slip to this form before routing

Problem Resolution:
1) Project Coordinator Verbally Informed on _____
2) Client Informed on _____ By _____

Project Coordinator: _____ Date _____ Resolved: Y N
Comments: _____



NATIONAL
ENVIRONMENTAL
TESTING, INC.

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Jim Keller
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

Date: 04/12/1996
NET Client Acct. No: 1821
NET Job No: 96.01110-A
Received: 03/27/1996

Client Reference Information

Shell 2101 Park Blvd. Oakland, CA/960325-A2

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. All positive results have been confirmed as required. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2305.

Submitted by:

A handwritten signature in cursive script that reads "Ginger Brinlee".

Ginger Brinlee
Project Coordinator

Enclosure(s)



Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110-A

Date: 04/12/1996
ELAP Cert: 1386
Page: 2

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

SAMPLE DESCRIPTION: S-1
NET SAMPLE NUMBER: 262500

DATE TAKEN: 03/25/1996
TIME TAKEN: 12:40

Parameter	Results	Flags	Reporting			Method	Date	Date	Batch
			Limit	Units	Extracted		Analyzed	No.	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	1						03/28/1996	3609	
Methyl-tert-butyl ether	ND		2	ug/L	8020		03/28/1996	3609	
SURROGATE RESULTS	--						03/28/1996	3609	
Bromofluorobenzene (SURR)	85			% Rec.	8020		03/28/1996	3609	

SAMPLE DESCRIPTION: S-2
NET SAMPLE NUMBER: 262501

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:06

Parameter	Results	Flags	Reporting			Method	Date	Date	Batch
			Limit	Units	Extracted		Analyzed	No.	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	1						03/28/1996	3609	
Methyl-tert-butyl ether	ND		2	ug/L	8020		03/28/1996	3609	
SURROGATE RESULTS	--						03/28/1996	3609	
Bromofluorobenzene (SURR)	86			% Rec.	8020		03/28/1996	3609	

SAMPLE DESCRIPTION: S-3
NET SAMPLE NUMBER: 262502

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:33

Parameter	Results	Flags	Reporting			Method	Date	Date	Batch
			Limit	Units	Extracted		Analyzed	No.	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	100						03/28/1996	3609	
Methyl-tert-butyl ether	ND		200	ug/L	8020		03/28/1996	3609	
SURROGATE RESULTS	--						03/28/1996	3609	
Bromofluorobenzene (SURR)	76			% Rec.	8020		03/28/1996	3609	

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110-A

Date: 04/12/1996
ELAP Cert: 1386
Page: 3

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

SAMPLE DESCRIPTION: EB
NET SAMPLE NUMBER: 262503

DATE TAKEN: 03/25/1996
TIME TAKEN: 13:10

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Batch
			Limit				Extracted	Analyzed	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	1						03/28/1996		3609
Methyl-tert-butyl ether	ND		2		ug/L	8020	03/28/1996		3609
SURROGATE RESULTS	--						03/28/1996		3609
Bromofluorobenzene (SURR)	84				% Rec.	8020	03/28/1996		3609

SAMPLE DESCRIPTION: DUP
NET SAMPLE NUMBER: 262504

DATE TAKEN: 03/25/1996
TIME TAKEN:

Parameter	Results	Flags	Reporting		Units	Method	Date	Date	Batch
			Limit				Extracted	Analyzed	
5030/8015-M/8020 Shell+MTBE									
DILUTION FACTOR*	10						03/29/1996		3610
Methyl-tert-butyl ether	ND		20		ug/L	8020	03/29/1996		3610
SURROGATE RESULTS	--						03/29/1996		3610
Bromofluorobenzene (SURR)	98				% Rec.	8020	03/29/1996		3610

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected					
5030/8015-M/8020 Shell+MTBE								
Purgeable TPH	106.0	0.53	0.50		mg/L	03/28/1996	aal	3609
Benzene	91.8	4.59	5.00		ug/L	03/28/1996	aal	3609
Toluene	87.4	4.37	5.00		ug/L	03/28/1996	aal	3609
Ethylbenzene	91.2	4.56	5.00		ug/L	03/28/1996	aal	3609
Xylenes (Total)	92.7	13.9	15.0		ug/L	03/28/1996	aal	3609
Bromofluorobenzene (SURR)	84.0	84	100		% Rec.	03/28/1996	aal	3609
5030/8015-M/8020 Shell+MTBE								
Purgeable TPH	104.0	0.52	0.50		mg/L	03/29/1996		3610
Benzene	94.2	4.71	5.00		ug/L	03/29/1996		3610
Toluene	91.6	4.58	5.00		ug/L	03/29/1996		3610
Ethylbenzene	92.8	4.64	5.00		ug/L	03/29/1996		3610
Xylenes (Total)	94.8	14.22	15.0		ug/L	03/29/1996		3610
Bromofluorobenzene (SURR)	83.0	83	100		% Rec.	03/29/1996		3610

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 96.01110-A

Date: 04/12/1996
ELAP Cert: 1386
Page: 5

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

METHOD BLANK REPORT

Parameter	Method	Blank			Date	Analyst	Run
	Amount	Reporting	Flags	Units			
	Found	Limit			Analyzed	Initials	Number
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	ND	0.05		mg/L	03/28/1996	aal	3609
Benzene	ND	0.5		ug/L	03/28/1996	aal	3609
Toluene	ND	0.5		ug/L	03/28/1996	aal	3609
Ethylbenzene	ND	0.5		ug/L	03/28/1996	aal	3609
Xylenes (Total)	ND	0.5		ug/L	03/28/1996	aal	3609
Methyl-tert-butyl ether	ND	2		ug/L	03/28/1996	aal	3609
Bromofluorobenzene (SURR)	80			% Rec.	03/28/1996	aal	3609
5030/8015-M/8020 Shell+MTBE							
Purgeable TPH	ND	0.05		mg/L	03/29/1996		3610
Benzene	ND	0.5		ug/L	03/29/1996		3610
Toluene	ND	0.5		ug/L	03/29/1996		3610
Ethylbenzene	ND	0.5		ug/L	03/29/1996		3610
Xylenes (Total)	ND	0.5		ug/L	03/29/1996		3610
Bromofluorobenzene (SURR)	90			% Rec.	03/29/1996		3610

NOTE Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
 Client Acct: 1821
 NET Job No: 96.01110-A

Date: 04/12/1996
 ELAP Cert: 1386
 Page: 6

Ref: Shell 2101 Park Blvd. Oakland, CA/960325-A2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike				Matrix Spike				Date Analyzed	Run Batch	Sample Spiked	
	Spike % Rec.	Dup % Rec.	RPD	Spike Amount	Sample Conc.	Spike Conc.	Dup. Conc.	Flags				Units
5030/8015-M/8020 Shell+MTBE												262438
Purgeable TPH	100.0	86.0	15.0	0.5	ND	0.50	0.43		mg/L	03/28/1996	3609	262438
Benzene	100.8	89.1	12.2	5.99	ND	6.04	5.34		ug/L	03/28/1996	3609	262438
Toluene	101.3	89.1	12.7	23.04	ND	23.34	20.54		ug/L	03/28/1996	3609	262438
Bromofluorobenzene (SURR)	93.0	81.0	13.8	100	83	93	81		% Rec.	03/28/1996	3609	262438
5030/8015-M/8020 Shell+MTBE												262507
Purgeable TPH	92.0	82.0	11.5	0.5	0.11	0.57	0.52		mg/L	03/29/1996	3610	262507
Benzene	98.7	92.0	7.0	6.25	1.4	7.57	7.15		ug/L	03/29/1996	3610	262507
Toluene	99.2	95.0	4.3	24.08	ND	23.88	22.87		ug/L	03/29/1996	3610	262507
Bromofluorobenzene (SURR)	96.0	96.0	0.0	100	88	96	96		% Rec.	03/29/1996	3610	262507

NOTE Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.



SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 960315-A2

Date: 3-26-96

Page 1 of 1

Site Address: 2101 Park Blvd., Oakland, CA

WIC#: 204-5508-1206

Shell Engineer: R. Jeff Granberry
Lynn Walker
 Phone No.: (510) 675-6169
 Fax #:

Consultant Name & Address:
 Blaine Tech Services, Inc.
 985 Timothy Dr., San Jose, CA

Consultant Contact: Fran Thie
 Phone No.: (408) 995-5535, 201
 Fax #: 293-8773

Comments:

Sampled by: RANDY VALENTINE

Printed Name:

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N
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LAB: NET

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input checked="" type="checkbox"/>	4441	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	4442	15 days <input checked="" type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	4452	
Water Rem. or Sys. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as possible of 24/48 hrs TAT

UST AGENCY:

Sample ID	Date	TIME Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
S-1	3/25	1240		X		5		X				X	X							
S-2	3/25	1306		X		3						X	X							
S-3	3/25	1333		X		3						X	X							
EB	3/25	1310		X		3						X	X							
DUP	3/25			X		3						X	Y							

CUSTODY SEALED
 Date: 3/26/96 Time: 1701 Initials: PS
 SEAL INTACT? Yes Initials: PS

Relinquished By (signature): <u>Randy Valentine</u>	Printed Name: <u>RANDY VALENTINE</u>	Date: <u>3-26</u>	Received (signature): <u>P. Smart</u>	Printed Name: <u>P. Smart</u>	Date: <u>3/26/96</u>
Relinquished By (signature): <u>P. Smart</u>	Printed Name: <u>P. Smart</u>	Date: <u>3-26-96</u>	Received (signature): <u>Randy Valentine</u>	Printed Name: <u>RANDY VALENTINE</u>	Date: <u>3/26/96</u>
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

VIA: NCB

CLIENT: Blain, Tech JOB #: 96-01110 LOG #: 0849
Project ID: 960315-A2
Samples Received On: 3/27/96 Checked in on: 3/27/96

- 1) Custody Seals: N/A Present Absent Broken
- 2) Chain of Custody Present Absent # (s): _____
Forms: Complete Incomplete _____

3) Type of packing material used: Ice

4) Temperature(s) 0 ° C Thermometer #(s) _____

5) Sample Container(s) Intact Broken _____

6) Container Label(s) Match COC Do Not Match _____

7) Sample Volume Sufficient Insufficient _____

8) Preservative(s) Correct Incorrect pH verified Res. Cl chk (CN & PHLs)

9) Headspace (VOAs) None Present (list ID's / number vials affected)

Sample ID	# of Vials	Sample ID	# of Vials
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

10) Form Completed By: Ann McKeene Date: 3/27/96
Attach shipper's packing slip to this form before routing

Problem Resolution:
1) Project Coordinator Verbally Informed on _____
2) Client Informed on _____ By _____

Project Coordinator: _____ Date _____ Resolved: Y N
Comments: _____