

#229

May 15, 1999

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway #250
Alameda, California 94502

Re: **Quarterly Monitoring Report - First Quarter 1999**
Former Shell Service Station
2101 Park Boulevard
Oakland, California
WIC #204-5508-1206



Dear Mr. Chan:

This Quarterly Monitoring Report describes the recently completed activities associated with ground water monitoring and sampling at the referenced site (Plates 1 and 2). 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 1999 are summarized below:

- Blaine Tech Services Inc. (Blaine), of San Jose, California measured ground water levels in Wells S-1, S-2, and S-3 and collected ground water samples from Well S-3 on March 29, 1999. The samples were transported to Sequoia Analytical of Redwood City, California for chemical analysis.
- Ground water level measurement data were evaluated and used to prepare a ground water contour map (Plate 2). The ground water flow direction is to the south at an approximate hydraulic gradient of 0.036.
- The ground water sample from Well S-3 contained 5,400 ppb TPH, 530 ppb benzene, and 45 ppb MTBF

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

Cambria
Environmental
Technology, Inc.

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707)935-4850
Fax (707)935-6649

Quarterly Sampling

Monitoring Well S-3 was sampled and analyzed for Total Purgeable Petroleum Hydrocarbons as gasoline (TPPH) by EPA Method 8015 (modified). benzene, toluene, ethylbenzene,

91 (MAY 21 1999)
NOTIFICATION
7/11/99

C A M B R I A

xylenes (BTEX), methyl-tertiary-butyl-ether (MTBE) by EPA Method 8020, total dissolved solids by EPA Method 160.1, nitrates and sulfates by EPA Method 300.0.

Field monitoring data and chemical analytical data are presented in a summary table in Blaine's ground water monitoring report (Appendix A). A ground water contour/chemical concentration map is presented as Plate 2.

Quarterly monitoring, sampling, and reporting will continue on the established schedule for this site.



If you have any questions regarding the contents of this document, please call Joe Neely at 707-935-4854.

Sincerely,
Cambria Environmental Technology, Inc.

Aubrey K Cool
FOR:

Wayne Chiu
Staff Engineer

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



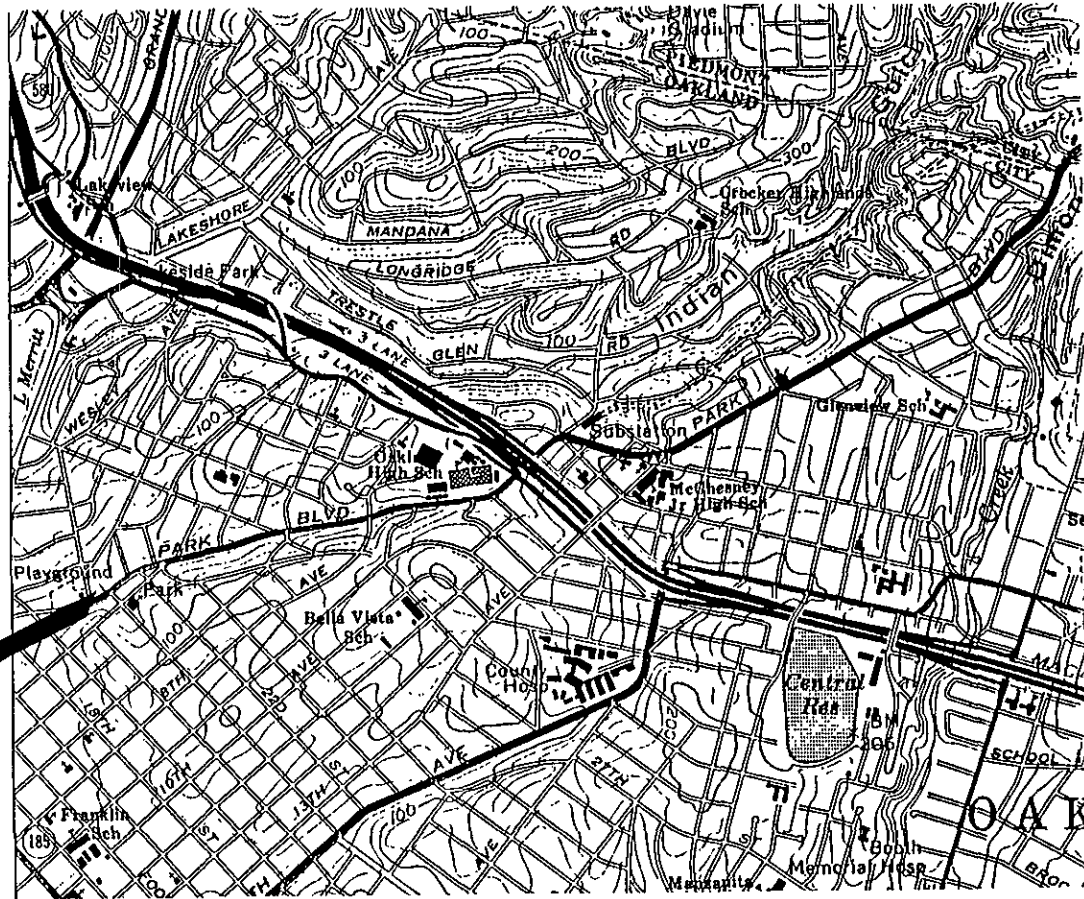
Attachments

- Plate 1. Vicinity Map
- Plate 2. Ground Water Contour/Chemical Concentration Map

Appendix A

Blaine Tech Services Inc. - Ground Water Monitoring Report

- cc Mr Frank J. Schlessinger, Schlessinger & Associates (property owner)
- Mr Steve Makara, Goodyear Tire & Rubber Company (tenant)
- Ms Karen Petryna, Equiva Services LLC



Site Location



PLATE

1

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

CAMBRIA
 240-0865

Drawn By: GLV

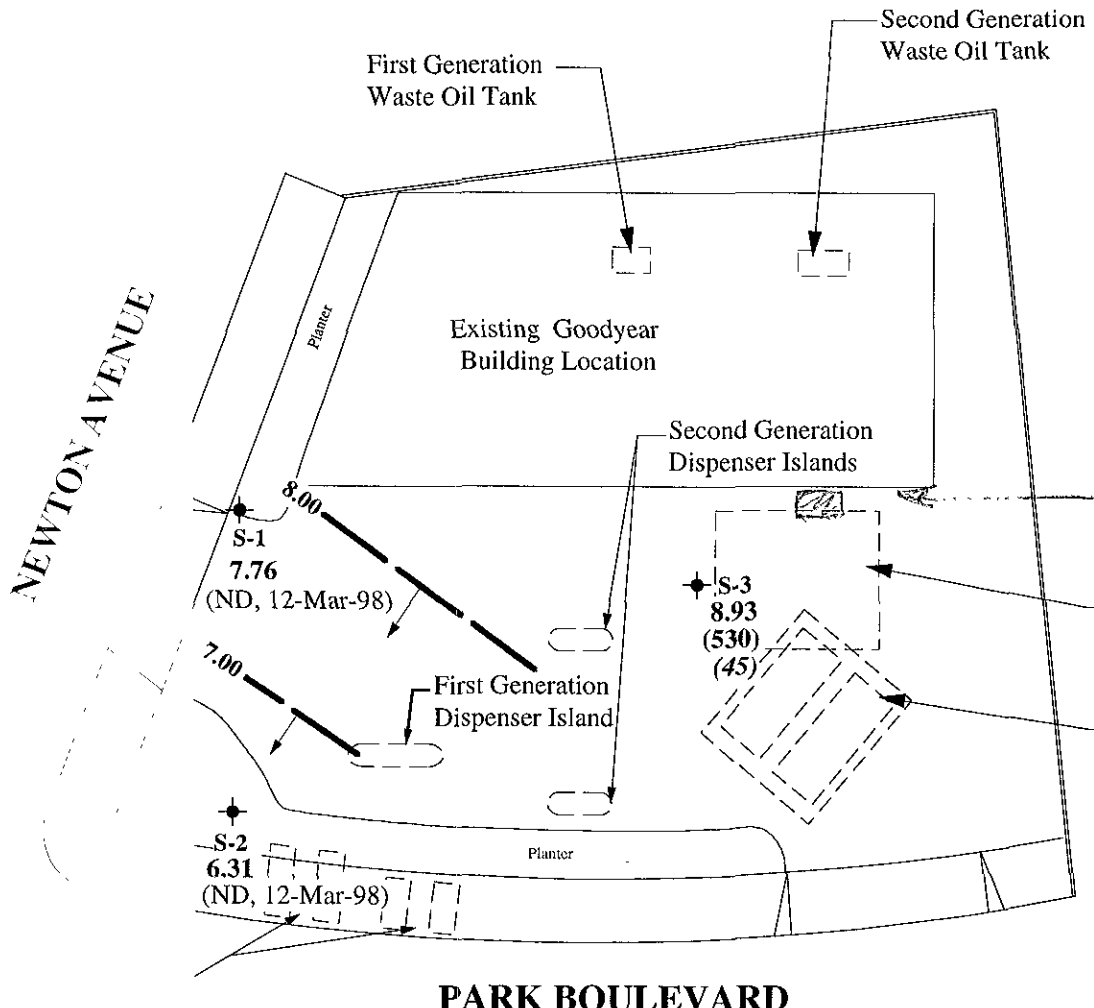
Date: 2-24-95

Approved By: AKC

Date: 5-21-99

EXPLANATION

- ◆ Ground Water Monitoring Well
 - ↘ Ground water elevation contour in feet referenced to mean sea level (MSL). Arrows indicate approximate ground water flow direction.
 - 8.93 Ground water elevation in feet above MSL
 - (530) Benzene concentration in ppb
ND = None Detected
 - (45) MTBE concentration in ppb
- Notes: Monitoring performed on 29-Mar-99.
Approximate Hydraulic Gradient = 0.036



2nd Generation Waste Oil Tank

Third Generation USTs
Second Generation USTs

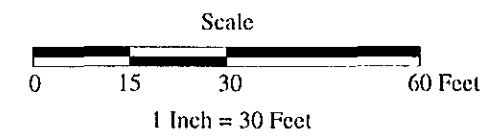
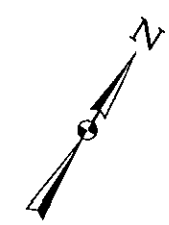


PLATE **2** GROUND WATER CONTOUR/CHEMICAL CONCENTRATION MAP
Former Shell Service Station
2101 Park Boulevard
Oakland, California

CAMBRIA
240-0865

Drawn By: WC

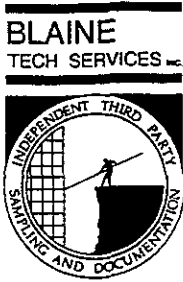
Date: 10-May-99

Approved By: AKC

Date: 5-21-99

Appendix A

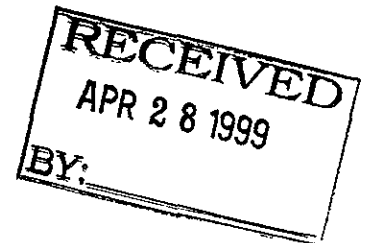
**Blaine Tech Services Inc.
Ground Water Monitoring Report**



1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

April 26, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249



First Quarter 1999 Groundwater Monitoring at
Shell -branded Service Station
2101 Park Blvd.
Oakland, CA

Monitoring performed on March 29, 1999

Groundwater Monitoring Report 990329-P-2

This report covers the routine monitoring of groundwater wells at this Shell -branded 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, appropriate 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. Purgewater (if applicable) is, likewise, collected and transported to the Shell Martinez Manufacturing Complex.

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

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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S-1	06/20/1995	160	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	11.93	4.67	7.26	NA	NA
S-1	09/12/1995	<50	250	3.0	<0.5	<0.5	<0.5	NA	NA	11.93	4.19	7.74	NA	NA
S-1	12/28/1995	70	160	1.1	<0.5	<0.5	1.3	NA	NA	11.93	5.30	6.63	NA	NA
S-1	03/25/1996	70	220	<0.5	<0.5	<0.5	<0.5	<2.0	NA	11.93	3.44	8.49	NA	NA
S-1	06/27/1996	<50	140	0.59	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.15	8.78	NA	NA
S-1	09/26/1996	<50	190	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.90	8.03	NA	NA
S-1	12/10/1996	<50	84	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.46	9.47	NA	NA
S-1	03/10/1997	<50	200	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.93	9.00	NA	NA
S-1	06/26/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	3.91	8.02	NA	NA
S-1	09/30/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	4.00	7.93	NA	NA
S-1	12/15/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	2.83	9.10	NA	NA
S-1	03/12/1998	<50	100	<0.50	<0.50	<0.50	<0.50	<2.5	NA	11.93	1.73	10.20	NA	2.7
S-1	06/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	6.05	5.88	NA	0.8
S-1	08/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	3.61	8.32	NA	1.0
S-1	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.45	7.48	NA	1.0
S-1	03/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	11.93	4.17	7.76	NA	1.2

S-2	06/20/1995	180	NA	1.1	<0.5	<0.5	0.6	NA	NA	12.06	5.80	6.26	NA	NA
S-2	09/12/1995	190	NA	18	<0.5	1.2	0.6	NA	NA	12.06	5.78	6.28	NA	NA
S-2	12/28/1995	200	NA	11	1.0	1.0	4.0	NA	NA	12.06	4.02	8.04	NA	NA
S-2	03/25/1996	180	NA	12	0.8	1.4	1.0	<2.0	NA	12.06	5.56	6.50	NA	NA
S-2	06/27/1996	150	NA	7.7	0.79	0.93	0.5	<2.5	NA	12.06	6.00	6.06	NA	NA
S-2	09/26/1996	83	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.73	6.33	NA	NA
S-2	12/10/1996	78	NA	1.4	<0.50	0.57	<0.50	<2.5	NA	12.06	4.57	7.49	NA	NA
S-2	03/10/1997	61	NA	1.6	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.38	6.68	NA	NA
S-2	06/26/1997	90	NA	1.5	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.68	6.38	NA	NA
S-2	09/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA
S-2	12/15/1997	<50	NA	4.1	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.35	6.71	NA	NA
S-2	03/12/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	4.71	7.35	NA	4.3
S-2	06/08/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	8.41	3.65	NA	2.2
S-2	08/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.23	6.83	NA	1.8
S-2	12/24/1998	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.94	6.12	NA	1.4
S-2	03/29/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.06	5.75	6.31	NA	1.6

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Deidre Kerwin", with a long horizontal flourish extending to the right.

Deidre Kerwin
Operations Manager

DK/mt

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

cc: Joe Neely
Cambria Environmental Technology, Inc.
270 Perkins Street
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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S-2 (D)	03/10/1997	77	NA	2.0	<0.50	0.69	<0.50	<2.5	NA	12.06	NA	NA	NA	NA
S-2 (D)	06/26/1997	<50	99	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	3.91	8.02	NA	NA
S-2 (D)	09/30/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	12.06	5.75	6.31	NA	NA

S-3	06/20/1995	5500	NA	240	34	120	840	NA	NA	13.54	4.90	8.64	NA	NA
S-3	09/12/1995	5200	NA	690	14	290	280	NA	NA	13.54	5.37	8.17	NA	NA
S-3	12/28/1995	13000	NA	670	34	960	1400	NA	NA	13.54	3.90	9.64	NA	NA
S-3	03/25/1996	7300	NA	560	65	540	820	<200	NA	13.54	4.30	9.24	NA	NA
S-3	06/27/1996	17000	NA	1100	83	1200	2700	<250	NA	13.54	5.00	8.54	NA	NA
S-3	09/26/1996	8900	NA	920	43	400	1100	<125	NA	13.54	5.23	8.31	NA	NA
S-3	12/10/1996	6100	NA	470	25	290	640	<100	NA	13.54	3.88	9.66	NA	NA
S-3	03/10/1997	7000	NA	720	29	340	620	110	NA	13.54	4.10	9.44	NA	NA
S-3	06/26/1997	11000	NA	1100	63	470	1300	150	NA	13.54	5.23	8.31	NA	NA
S-3	09/30/1997	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	09/30/1997	25000	NA	970	170	1200	4600	<50	NA	13.54	5.36	8.18	NA	NA
S-3	12/15/1997	9800	NA	840	55	420	1100	350	NA	13.54	3.81	9.73	NA	NA
S-3	03/12/1998	2800	NA	260	21	140	600	<12	NA	13.54	4.79	8.75	NA	4.8
S-3	06/08/1998	2500	420	220	23	170	600	<20	NA	13.54	5.60	7.94	NA	NA
S-3	06/17/1998	NA	NA	NA	NA	NA	NA	NA	NA	13.54	3.49	10.05	NA	NA
S-3	08/26/1998	4000	600	520	56	270	910	<50	NA	13.54	4.89	8.65	NA	1.9
S-3	12/24/1998	3700	590	320	32	210	650	55	NA	13.54	4.93	8.61	NA	1.2
S-3	03/29/1999	5400	NA	530	62	400	1100	45	NA	13.54	4.61	8.93	NA	1.5

S-3 (D)	06/20/1995	6300	NA	270	37	120	1100	NA	NA	13.54	NA	NA	NA	NA
S-3 (D)	09/12/1995	4700	NA	620	13	260	240	NA	NA	13.54	NA	NA	NA	NA
S-3 (D)	12/28/1995	13000	NA	800	34	1000	1600	NA	NA	13.54	NA	NA	NA	NA
S-3 (D)	03/25/1996	7400	NA	580	19	620	670	<20	NA	13.54	NA	NA	NA	NA
S-3 (D)	06/27/1996	1903	NA	13	1.0	14	34	7.2	NA	13.54	NA	NA	NA	NA
S-3 (D)	09/26/1996	9800	NA	960	41	450	1300	120	<16 a	13.54	NA	NA	NA	NA
S-3 (D)	12/10/1996	7700	NA	550	33	380	880	120	NA	13.54	NA	NA	NA	NA
S-3 (D)	06/26/1997	12000	NA	1100	62	480	1400	<100	NA	13.54	NA	NA	NA	NA
S-3 (D)	12/15/1997	9800	NA	850	56	420	1100	360	<20	13.54	NA	NA	NA	NA
S-3 (D)	03/12/1998	2100	NA	200	15	110	450	<12	NA	13.54	NA	NA	NA	NA
S-3 (D)	06/08/1998	3200	NA	270	30	220	740	76	NA	13.54	NA	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
2101 Park Avenue
Oakland, CA
Wic #204-5508-1206

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
S-3 (D)	08/26/1998	4100	500	550	65	320	1100	<2.5	NA	13.54	NA	NA	NA	NA

Abbreviations

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

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

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/l = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

(D) = Duplicate sample

Note

(a) - The MTBE was analyzed by EPA method 8260 one day past hold time. The MTBE value did not confirm therefore, all MTBE results at this site should be considered estimated.



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954
San Carlos, CA 94070-4111

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie


Client Proj. ID: Shell 2101 Park Blvd Oakland
Lab Proj. ID: 9903E49

Received: 03/30/99
Reported: 04/13/99

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 2 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL


Project Manager



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Shell 2101 Park Blvd Oakland
Sample Descript: S-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9903E49-01

Sampled: 03/29/99
Received: 03/30/99
Analyzed: 04/06/99
Reported: 04/13/99

QC Batch Number: GC040699BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	5400
Methyl t-Butyl Ether	25	45
Benzene	5.0	530
Toluene	5.0	62
Ethyl Benzene	5.0	400
Xylenes (Total)	5.0	1100
Chromatogram Pattern:		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	109

All values reported as N.D. were not present above the stated limit of detection

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager



Sequoia Analytical

680 Chesapeake Drive
 404 N. Wiget Lane
 819 Striker Avenue, Suite 8
 1455 McDowell Blvd. North, Ste. D
 1551 Industrial Road

Redwood City, CA 94063 (650) 364-9600 FAX (650) 364-9233
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 Petaluma, CA 94954 (707) 792-1865 FAX (707) 792-0342
 San Carlos, CA 94070-4111 (650) 232-9600 FAX (650) 232-9612

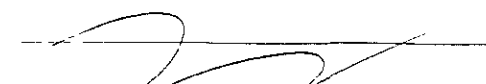
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Shell 2101 Park Blvd Oakland	Sampled: 03/29/99 Received: 03/30/99 Analyzed: see below
Attention: Fran Thie	Lab Proj. ID: 9903E49-01 Sample Descript: LIQUID,S-3	Reported: 04/13/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	BE	03/31/99	N.D.
Sulfate	mg/L	1.0	EPA 300.0	BE	03/31/99	6.8
Total Dissolved Solids	mg/L	10	EPA 160.1	K.	04/05/99	980

ND (not detected) as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210


 Project Manager

Please Note
 This sample was preserved in accordance with EPA approved preservation methods



Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D
1551 Industrial Road

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FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 2101 Park Blvd Oakland

QC Sample Group: 9903E49-01

Reported: Apr 20, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 300.0
Analyst: B. Entemon

ANALYTE	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Phosphate	Sulfate
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QC Batch #: IN0331993000ACA

Sample No.:	W/MW-2						
Date Prepared:	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99
Date Analyzed:	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99
Instrument I.D.#:	INACA	INACA	INACA	INACA	INACA	INACA	INACA
Sample Conc., mg/L:	N.D.	105	N.D.	7	200	N D	1000
Conc. Spiked, mg/L:	100	100	100	100	100	100	100
Matrix Spike, mg/L:	100	210	96	94	310	52	1200
% Recovery:	103	105	96	88	112	52	160
Matrix							
Spike Duplicate, mg/L:	100	210	96	95	310	56	1200
% Recovery:	103	104	96	88	112	56	160
Relative % Difference:	0.0	0.96	0.0	0.0	0.0	7.4	0.0
RPD Control Limits:	0-20	0-20	0-20	0-20	0-20	0-20	0-20

LCS Batch#: LCS033199ACA

Date Prepared:	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99
Date Analyzed:	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99	3/31/99
Instrument I.D.#:	INACA	INACA	INACA	INACA	INACA	INACA	INACA
Conc. Spiked, mg/L:	10	10	10	10	10	10	10
LCS Recovery, mg/L:	10	9.2	9.7	9.3	9.5	8.7	9.6
LCS % Recovery:	104	92	97	93	95	87	96

Percent Recovery Control Limits:

MS MSD	75-125	75-125	75-125	75-125	75-125	75-125	75-125
LCS	90-110	90-110	90-110	90-110	90-110	90-110	90-110

Quality Assurance Statement All standard operating procedures and quality control requirements have been met

SEQUOIA ANALYTICAL

Kayvan Kimyai
Project Manager

Please Note

The LCS is a control sample of known, interference-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.



Sequoia Analytical

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(916) 921-9600
(707) 792-1865
(650) 232-9600

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342
FAX (650) 232-9612

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 2101 Park Blvd Oakland

QC Sample Group: 9903E49-01

Reported: Apr 20, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 160.2
Analyst: K. Ceasar

ANALYTE Total Suspended Solids

QC Batch #: IN040599160200A

Sample No.: 9903E43-5
Date Prepared: 4/5/99
Date Analyzed: 4/5/99
Instrument I.D.#: Manual

Sample Concentration, mg/L: < 1.0

Duplicate Concentration, mg/L: < 1.0

Relative % Difference: N/A

RPD Control Limits: 0-20

Percent Recovery Control Limits:

LCS 80-120

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note

The LCS is a control sample of known, intereferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Kayvan Kimvay
Project Manager



Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Shell 2101 Park Blvd Oakland

QC Sample Group: 9903E49-01

Reported: Apr 14, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: MM

ANALYTE Gasoline

QC Batch #: GC040699BTEX30A

Sample No.: 9904043-13

Date Prepared: 4/7/99

Date Analyzed: 4/7/99

Instrument I.D.#: GCHP30

Sample Conc., ug/L: N.D.

Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 220

% Recovery: 88

Matrix

Spike Duplicate, ug/L: 220

% Recovery: 88

Relative % Difference: 0.0

RPD Control Limits: 0-25

LCS Batch#: GC040699BTEX30A

Date Prepared: 4/6/99

Date Analyzed: 4/6/99

Instrument I.D.#: GCHP30

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 230

LCS % Recovery: 92

Percent Recovery Control Limits

MS MSD 60-140

LCS 70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met

Please Note

This LCS is a control sample of known, interferences free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Kaylan Kimya
Project Manager





SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: 990329-P2

Date: 3/29/99

Page (of)

Site Address: 2101 Park Blvd., Oakland, CA

WIC#: 204-5508-1206

Shell Engineer: Alex Perez
Phone No.: (510) 675-6168
Fax #: 675-6172

Consultant Name & Address:
Blaine Tech Services, Inc.
1680 Rogers Ave., San Jose, CA 95112

Consultant Contact: Fran Thie
Phone No.: (408) 573-0555
Fax #: 573-7771

Comments: 9903E49

Sampled by: [Signature]
Printed Name: Paul Sanna

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 / <u>MTBE</u>	<u>Nitrate, Sulfate, TDS</u>	Asbestos	Container Size	Preparation Used	Composite Y/N
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LAB: Seqois

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input checked="" type="checkbox"/>	4461	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	Sludge	Soil	Water	Air	No. of conds.	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 / <u>MTBE</u>	<u>Nitrate, Sulfate, TDS</u>	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
<u>5-3</u>	<u>3/29</u>			<u>X</u>		<u>6</u>						<u>X</u>	<u>X</u>					<u>01</u>	<u>30 12 50</u>

Relinquished By (signature): <u>[Signature]</u>	Printed Name: <u>Paul Sanna</u>	Date: <u>3/30/99</u> Time: <u>11:24</u>	Received (signature): <u>[Signature]</u>	Printed Name: <u>Fletcher</u>	Date: <u>3/30/99</u> Time: <u>11:24</u>
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date: <u>3/30/99</u> Time:	Received (signature):	Printed Name:	Date: Time:
Relinquished By (signature): <u>[Signature]</u>	Printed Name:	Date: Time:	Received (signature): <u>[Signature]</u>	Printed Name: <u>Luz Tembruno</u>	Date: <u>3-30-99</u> Time: <u>12:55</u>

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