CAMBRIA

March 30, 2001

#4254

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **First Quarter 2001 Monitoring Report**
Former Shell Service Station
461 8th Street
Oakland, California
Incident #97093399
Cambria Project #243-1501-002

APR 05 2001

Dear Mr. Chan:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

FIRST QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California checked for separate-phase hydrocarbon (SPH), gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. No SPH has been detected since January 1998. Cambria prepared a vicinity map (Figure 1) and groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is presented as Attachment A.

Monitoring Well Purging: Blaine purged 150 gallons of groundwater from well S-5 and 100 gallons from well S-6 this quarter. Cumulative groundwater purge volume and estimated mass removal data are presented in Table 1. The cumulative estimated mass of total hydrocarbons as gasoline and methyl tert-butyl ether removed to date is approximately 1.77 and 0.016 pounds, respectively.

Oakland, CA
San Ramon, CA
Sonoma, CA
Portland, OR

Cambria Environmental Technology, Inc.

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

ANTICIPATED SECOND QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Monitoring Well Purging: Blaine will purge groundwater from wells S-5 and S-6. Cambria will calculate mass removal data.

CLOSING

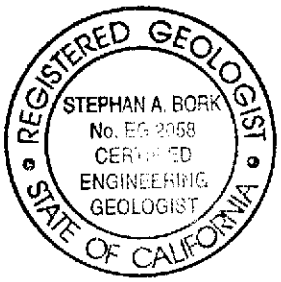
We appreciate the opportunity to work with you on this project. Please call Troy Buggle at (510) 420-3333 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Stephan Bork

for: Troy A. Buggle
Senior Staff Scientist

Stephan A. Bork, C.E.G., C.HG.
Associate Hydrogeologist



Figures: 1 - Vicinity Map
2 - Groundwater Elevation Contour and Potential Offsite Sources

Table: 1 - Groundwater Extraction - Estimated Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Rory Campbell, Hanson, Bridgett, Marcus, Vlahos, & Rudy, 333 Market Street, Suite 2300, San Francisco, California 94105-2173
Wells Fargo Bank National Association, Tr. (Property Owners), c/o Pacific Property, 364 Bush Street, San Francisco, CA 94104-2805
R. Casteel & Co., P.O. Box 6839, Moraga, California 94570
Leroy Griffin, City of Oakland Fire Department, 1605 Martin Luther King, Jr. Way, Second Floor, Oakland, CA 94612

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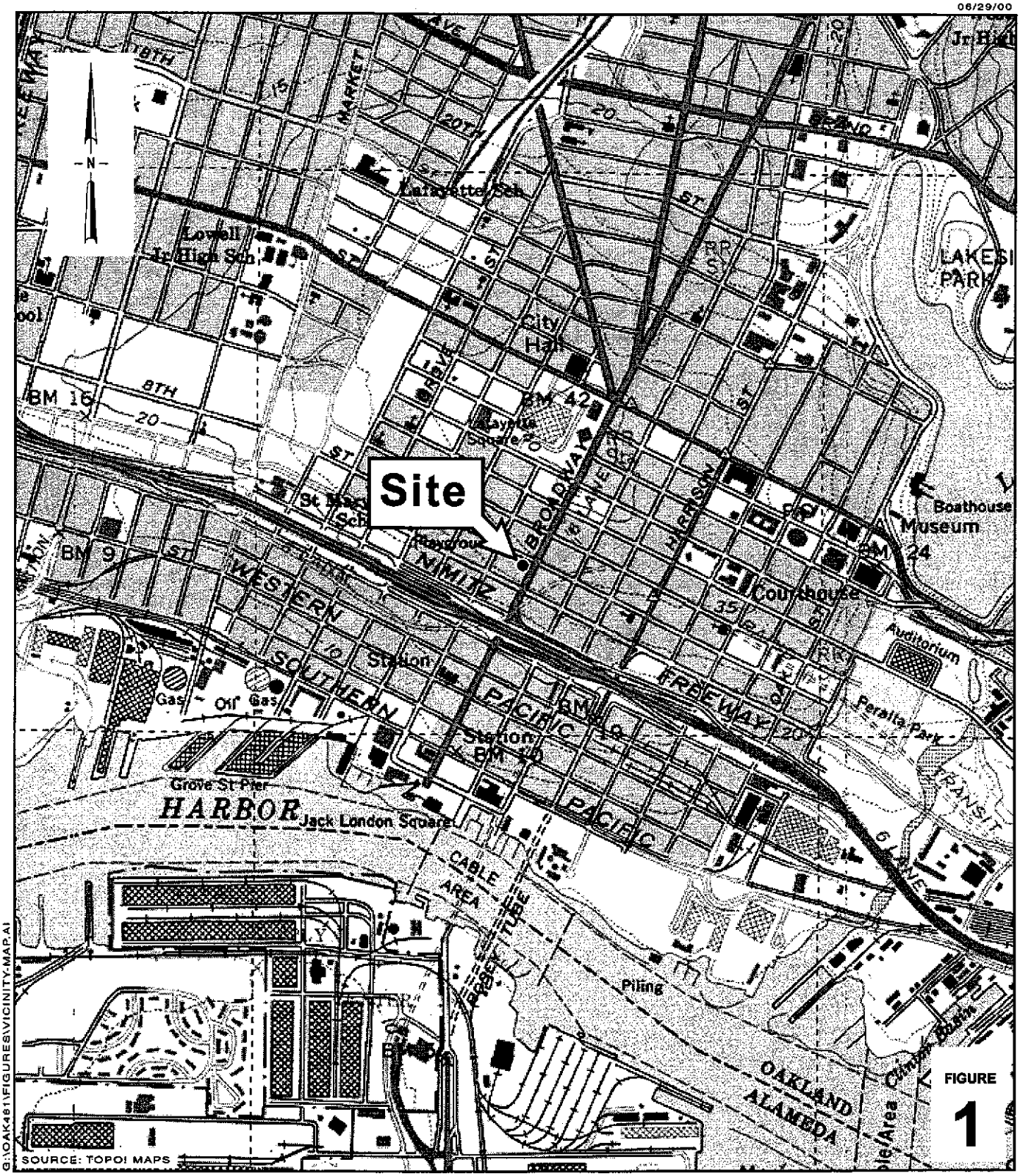
06/29/00



G:\OAK481\FIGURES\VICINITY-MAP.AI

FIGURE 1

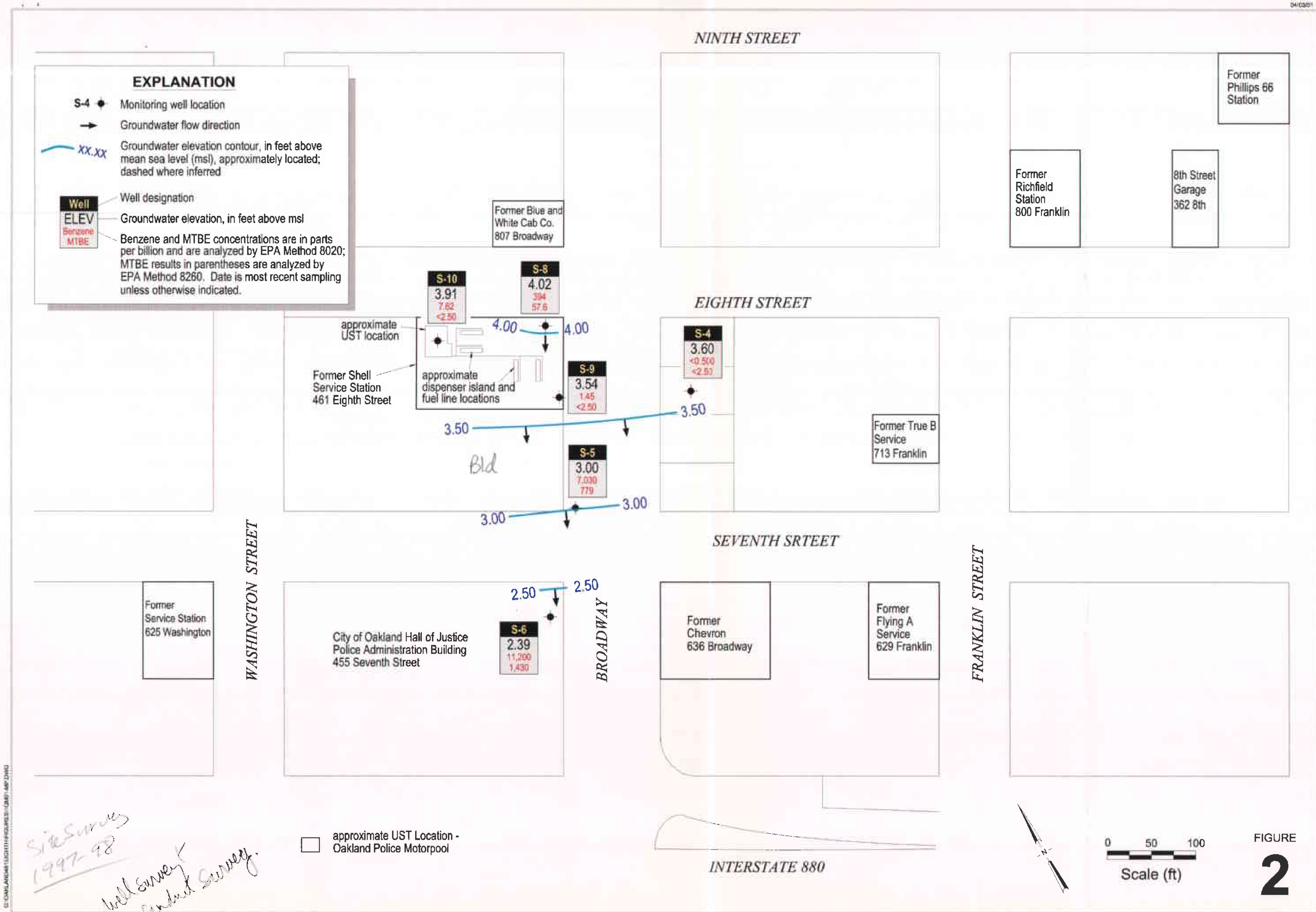
0 1/8 1/4 1/2 1

SCALE 1:1/4 MILE

Former Shell Service Station
461 Eighth Street
Oakland, California
Incident #97093399

CAMBRIA

Vicinity Map


NINTH STREET
EIGHTH STREET
SEVENTH SRTEET
INTERSTATE 880
WASHINGTON STREET
BROADWAY
FRANKLIN STREET
EXPLANATION
S-4 Monitoring well location
Groundwater flow direction
XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred
Well Well designation
ELEV Groundwater elevation, in feet above msl
Benzene MTBE Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8020; MTBE results in parentheses are analyzed by EPA Method 8260. Date is most recent sampling unless otherwise indicated.
Former Blue and White Cab Co. 807 Broadway
Former Phillips 66 Station
Former Richfield Station 800 Franklin
8th Street Garage 362 8th
S-10 3.91 7.62 <2.50
S-8 4.02 394 57.6
S-4 3.60 <0.500 <2.50
S-9 3.54 1.45 <2.50
S-5 3.00 7,030 779
S-6 2.39 11,200 1,430
4.00
3.50
3.00
2.50
approximate UST location
Former Shell Service Station 461 Eighth Street
approximate dispenser island and fuel line locations
Bld
Former True B Service 713 Franklin
Former Service Station 625 Washington
City of Oakland Hall of Justice Police Administration Building 455 Seventh Street
Former Chevron 636 Broadway
Former Flying A Service 629 Franklin
approximate UST Location - Oakland Police Motorpool
Site Survey 1997-98
Well survey conduct survey.
N
0 50 100
Scale (ft)
FIGURE
2

Groundwater Elevation Contour Map

January 9, 2001

CAMBRIA

Former Shell Service Station
461 Eighth Street
Oakland, California
Incident #97093399

Table 1: Groundwater Extraction - Estimated Mass Removal Data - Former Shell Service Station, Incident #97093399, 461 Eighth Street, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			Benzene			MTBE		
05/13/93	S-5	0	0	07/31/90	53,000	0.00000	0.00000	14,000	0.00000	0.00000	NA	0.00000	0.00000
07/22/93	S-5	200	200	07/31/90	53,000	0.08845	0.08845	14,000	0.02336	0.02336	NA	0.00000	0.00000
10/20/93	S-5	200	400	07/31/90	53,000	0.08845	0.17690	14,000	0.02336	0.04673	NA	0.00000	0.00000
01/25/94	S-5	150	550	07/31/90	53,000	0.06634	0.24324	14,000	0.01752	0.06425	NA	0.00000	0.00000
04/25/94	S-5	36	586	07/31/90	53,000	0.01592	0.25916	14,000	0.00421	0.06846	NA	0.00000	0.00000
05/26/94	S-5	130	716	07/31/90	53,000	0.05749	0.31665	14,000	0.01519	0.08364	NA	0.00000	0.00000
06/16/94	S-5	50	766	07/31/90	53,000	0.02211	0.33876	14,000	0.00584	0.08948	NA	0.00000	0.00000
07/21/94	S-5	50	816	07/31/90	53,000	0.02211	0.36088	14,000	0.00584	0.09533	NA	0.00000	0.00000
08/25/94	S-5	80	896	07/31/90	53,000	0.03538	0.39626	14,000	0.00935	0.10467	NA	0.00000	0.00000
09/22/94	S-5	45	941	07/31/90	53,000	0.01990	0.41616	14,000	0.00526	0.10993	NA	0.00000	0.00000
10/24/94	S-5	40	981	07/31/90	53,000	0.01769	0.43385	14,000	0.00467	0.11460	NA	0.00000	0.00000
11/29/94	S-5	85	1,066	07/31/90	53,000	0.03759	0.47144	14,000	0.00993	0.12453	NA	0.00000	0.00000
12/22/94	S-5	0	1,066	07/31/90	53,000	0.00000	0.47144	14,000	0.00000	0.12453	NA	0.00000	0.00000
01/03/95	S-5	40	1,106	07/31/90	53,000	0.01769	0.48913	14,000	0.00467	0.12920	NA	0.00000	0.00000
02/22/95	S-5	60	1,166	07/31/90	53,000	0.02654	0.51566	14,000	0.00701	0.13621	NA	0.00000	0.00000
03/31/95	S-5	40	1,206	07/31/90	53,000	0.01769	0.53335	14,000	0.00467	0.14089	NA	0.00000	0.00000
04/20/95	S-5	60	1,266	07/31/90	53,000	0.02654	0.55989	14,000	0.00701	0.14790	NA	0.00000	0.00000
05/26/95	S-5	50	1,316	07/31/90	53,000	0.02211	0.58200	14,000	0.00584	0.15374	NA	0.00000	0.00000
06/30/95	S-5	60	1,376	07/31/90	53,000	0.02654	0.60854	14,000	0.00701	0.16075	NA	0.00000	0.00000
10/04/95	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
01/03/96	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
04/11/96	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
07/11/96	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
10/02/96	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
01/22/97	S-5	0	1,376	07/31/90	53,000	0.00000	0.60854	14,000	0.00000	0.16075	NA	0.00000	0.00000
07/21/97	S-5	75	1,451	07/31/90	53,000	0.03317	0.64171	14,000	0.00876	0.16951	NA	0.00000	0.00000
10/29/97	S-5	60	1,511	07/31/90	53,000	0.02654	0.66824	14,000	0.00701	0.17652	NA	0.00000	0.00000
01/22/98	S-5	60	1,571	07/31/90	53,000	0.02654	0.69478	14,000	0.00701	0.18353	NA	0.00000	0.00000

Table 1: Groundwater Extraction - Estimated Mass Removal Data - Former Shell Service Station, Incident #97093399, 461 Eighth Street, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
05/01/98	S-5	50	1,621	07/31/90	53,000	0.02211	0.71689	14,000	0.00584	0.18937	NA	0.00000	0.00000
07/08/98	S-5	100	1,721	07/31/90	53,000	0.04423	0.76111	14,000	0.01168	0.20105	NA	0.00000	0.00000
10/26/98	S-5	100	1,821	07/31/90	53,000	0.04423	0.80534	14,000	0.01168	0.21273	NA	0.00000	0.00000
01/28/99	S-5	100	1,921	01/28/99	51,000	0.04256	0.84790	13,000	0.01085	0.22358	2,400	0.00200	0.00200
04/23/99	S-5	100	2,021	04/23/99	65,600	0.05474	0.90263	2,540	0.00212	0.22570	<1,000	<0.00083	<0.00284
07/29/99	S-5	0	2,021	07/29/99	61,400	0.00000	0.90263	3,320	0.00000	0.22570	<1,000	<0.00000	<0.00284
11/01/99	S-5	100	2,121	11/01/99	48,200	0.04022	0.94285	2,700	0.00225	0.22795	**<40.0**	<0.00003	<0.00287
01/07/00	S-5	100	2,221	01/07/00	39,000	0.03254	0.97540	3,900	0.00325	0.23121	1,500	0.00125	<0.00412
04/11/00	S-5	100	2,321	04/11/00	29,300	0.02445	0.99985	1,680	0.00140	0.23261	<250	<0.00021	<0.00433
07/19/00	S-5	100	2,421	07/19/00	6,420	0.00536	1.00520	2,110	0.00176	0.23437	**253**	0.00021	<0.00454
10/12/00	S-5	100	2,521	10/12/00	41,500	0.03463	1.03983	2,940	0.00245	0.23682	**<66.7**	<0.00006	<0.00460
01/09/01	S-5	100	2,621	01/09/01	142,000	0.11849	1.15832	7,030	0.00587	0.24269	779	0.00065	<0.00525
05/13/93	S-6	0	0	05/13/93	58,000	0.00000	0.00000	21,000	0.00000	0.00000	NA	NA	NA
07/22/93	S-6	0	0	07/22/93	70,000	0.00000	0.00000	31,000	0.00000	0.00000	NA	NA	NA
10/20/93	S-6	0	0	10/20/93	48,000	0.00000	0.00000	28,000	0.00000	0.00000	NA	NA	NA
01/25/94	S-6	0	0	01/25/94	70,000	0.00000	0.00000	23,000	0.00000	0.00000	NA	NA	NA
04/25/94	S-6	0	0	04/25/94	61,000	0.00000	0.00000	23,000	0.00000	0.00000	NA	NA	NA
05/26/94	S-6	NA	0	04/25/94	61,000	0.00000	0.00000	23,000	0.00000	0.00000	NA	NA	NA
06/16/94	S-6	NA	0	04/25/94	61,000	0.00000	0.00000	23,000	0.00000	0.00000	NA	NA	NA
07/21/94	S-6	NA	0	07/21/94	44,000	0.00000	0.00000	8,200	0.00000	0.00000	NA	NA	NA
08/25/94	S-6	NA	0	07/21/94	44,000	0.00000	0.00000	8,200	0.00000	0.00000	NA	NA	NA
09/22/94	S-6	NA	0	07/21/94	44,000	0.00000	0.00000	8,200	0.00000	0.00000	NA	NA	NA
10/24/94	S-6	0	0	10/24/94	2,936	0.00000	0.00000	1,184	0.00000	0.00000	NA	NA	NA
11/29/94	S-6	NA	0	10/24/94	2,936	0.00000	0.00000	1,184	0.00000	0.00000	NA	NA	NA
12/22/94	S-6	0	0	12/22/94	32,000	0.00000	0.00000	7,000	0.00000	0.00000	NA	NA	NA
01/03/95	S-6	NA	0	12/22/94	32,000	0.00000	0.00000	7,000	0.00000	0.00000	NA	NA	NA
02/22/95	S-6	NA	0	12/22/94	32,000	0.00000	0.00000	7,000	0.00000	0.00000	NA	NA	NA

Table 1: Groundwater Extraction - Estimated Mass Removal Data - Former Shell Service Station, Incident #97093399, 461 Eighth Street, Oakland, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
					TPPH			**Benzene**			**MTBE**		
03/31/95	S-6	NA	0	12/22/94	32,000	0.00000	0.00000	7,000	0.00000	0.00000	NA	NA	NA
04/20/95	S-6	0	0	04/20/95	56,000	0.00000	0.00000	15,000	0.00000	0.00000	NA	NA	NA
05/26/95	S-6	NA	0	04/20/95	56,000	0.00000	0.00000	15,000	0.00000	0.00000	NA	NA	NA
06/30/95	S-6	NA	0	04/20/95	56,000	0.00000	0.00000	15,000	0.00000	0.00000	NA	NA	NA
10/04/95	S-6	0	0	10/04/95	49,000	0.00000	0.00000	8,400	0.00000	0.00000	NA	NA	NA
01/03/96	S-6	0	0	01/03/96	52,000	0.00000	0.00000	9,100	0.00000	0.00000	NA	NA	NA
04/11/96	S-6	0	0	04/11/96	59,000	0.00000	0.00000	11,000	0.00000	0.00000	NA	NA	NA
07/11/96	S-6	0	0	07/11/96	72,000	0.00000	0.00000	18,000	0.00000	0.00000	NA	NA	NA
10/02/96	S-6	0	0	10/02/96	57,000	0.00000	0.00000	11,000	0.00000	0.00000	NA	NA	NA
01/22/97	S-6	0	0	01/22/97	67,000	0.00000	0.00000	15,000	0.00000	0.00000	NA	NA	NA
07/21/97	S-6	0	0	07/21/97	61,000	0.00000	0.00000	15,000	0.00000	0.00000	NA	NA	NA
10/29/97	S-6	40	40	07/21/97	61,000	0.02036	0.02036	15,000	0.00501	0.00501	NA	NA	NA
01/22/98	S-6	60	100	01/22/98	46,000	0.02303	0.04339	14,000	0.00701	0.01202	NA	NA	NA
05/01/98	S-6	200	300	01/22/98	46,000	0.07677	0.12016	14,000	0.02336	0.03538	NA	NA	NA
07/08/98	S-6	150	450	07/08/98	74,000	0.09262	0.21278	26,000	0.03254	0.06792	NA	NA	NA
10/26/98	S-6	100	550	07/08/98	74,000	0.06175	0.27453	26,000	0.02170	0.08962	NA	NA	NA
01/28/99	S-6	150	700	01/28/99	120,000	0.15020	0.42473	9,000	0.01126	0.10088	3,700	0.00463	0.00463
04/23/99	S-6	150	850	04/23/99	58,500	0.07322	0.49795	15,900	0.01990	0.12078	<2,500	<0.00313	<0.00776
07/29/99	S-6	0	850	07/29/99	36,200	0.00000	0.49795	10,300	0.00000	0.12078	<1,000	<0.00000	<0.00776
11/01/99	S-6	150	1,000	11/01/99	36,000	0.04506	0.54301	11,700	0.01464	0.13543	**<40.0**	<0.00005	<0.00781
01/07/00	S-6	0	1,000	01/07/00	36,000	0.00000	0.54301	7,600	0.00000	0.13543	<1,000	<0.00000	<0.00781
04/11/00	S-6	150	1,150	04/11/00	14,600	0.01827	0.56128	7,540	0.00944	0.14487	621	0.00078	<0.00859
07/19/00	S-6	150	1,300	07/19/00	2,590	0.00324	0.56452	629	0.00079	0.14565	**72.7**	0.00009	<0.00868
10/28/00	S-6	45	1,345	10/12/00	32,900	0.01235	0.57688	14,200	0.00533	0.15099	**<100**	<0.00004	<0.00872
02/05/01	S-6	150	1,495	01/09/01	27,600	0.03455	0.61142	11,200	0.01402	0.16500	1,430	0.00179	<0.01051
Total Gallons Extracted:			**4,116**		**Total Pounds Removed:**		**1.76975**			**0.40769**			**<0.01575**
			2621		**Total Gallons Removed:**		**0.29012**			**0.05585**			**<0.00254**

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Table 1: Groundwater Extraction - Estimated Mass Removal Data - Former Shell Service Station, Incident #97093399, 461 Eighth Street, Oakland, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)

Abbreviations and Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
µg/L = Micrograms per liter
ppb = Parts per billion, equivalent to µg/L
L = Liter
gal = Gallon
g = Gram
NA = Not available/not analyzed
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x ($g/10^6 \mu g$) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene analyzed by EPA Method 8015/8020
MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020
Purging performed by Blaine Technologies of San Jose, California

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

February 20, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

First Quarter 2001 Groundwater Monitoring at
Former Shell Service Station
461 8th Street
Oakland, CA

Monitoring performed on January 9 and February 5, 2001

Groundwater Monitoring Report **010109-N-1**

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. Purgewater (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. 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,

Deidre Kerwin
Operations Manager

DK/jt

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	02/14/1989	<50	0.5	<1	<1	3.0	NA	NA	93.51 (TOC)	12.82	80.69	NA
S-4	05/01/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA
S-4	07/27/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA
S-4	10/05/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA
S-4	01/09/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA
S-4	04/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	93.51 (TOC)	14.48	79.03	NA
S-4	07/31/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/06/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA
S-4	06/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	13.54	79.97	NA
S-4	09/24/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA
S-4	11/07/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA
S-4	02/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	93.51 (TOC)	14.27	79.24	NA
S-4	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/13/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA
S-4	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	01/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA
S-4	04/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA
S-4	07/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	22.29	71.22	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	93.51 (TOC)	22.72	70.79	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77*	22.25	3.52	NA
S-4	04/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77	21.16	4.61	NA
S-4	10/04/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	25.77	22.25	3.52	NA

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S-4	01/03/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	25.77	23.28	2.49	NA
S-4	04/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	25.77	21.58	4.19	NA
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	21.60	4.17	NA
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	25.77	22.46	3.31	NA
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	25.77	20.06	5.71	NA
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.10	3.67	NA
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.50	5.27	NA
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.86	4.91	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.34	3.43	NA
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	25.77	21.45	4.32	NA
S-4	11/01/1999	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA
S-4	01/07/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.29	3.48	NA
S-4	04/11/2000	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA
S-4	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	25.77	21.19	4.58	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA
S-4	**01/09/2001**	**<50.0**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**25.77**	**22.17**	**3.60**	**NA**
S-5	04/16/1987	130000	15000	16000	NA	14000a	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	02/14/1989	94000	16000	21000	1800	10000	NA	NA	99.36 (TOC)	19.87	79.49	NA
S-5	05/01/1989	120000	29000	35000	3100	15000	NA	NA	99.36 (TOC)	21.23	78.13	NA
S-5	07/27/1989	110000	20000	29000	2400	14000	NA	NA	99.36 (TOC)	20.41	78.95	NA
S-5	10/05/1989	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01
S-5	01/09/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01
S-5	04/30/1990	100000	13000	22000	2100	11000	NA	NA	99.36 (TOC)	20.96	78.40	NA

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S-5	07/31/1990	53000	8300	14000	1200	7400	NA	NA	99.36 (TOC)	20.88	78.48	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03
S-5	05/06/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13
S-5	06/27/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03
S-5	09/24/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25
S-5	02/13/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31
S-5	05/11/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58
S-5	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	05/13/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23
S-5	01/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18
S-5	04/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35
S-5	05/26/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35
S-5	06/10/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32
S-5	07/21/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47
S-5	08/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44
S-5	09/22/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99
S-5	04/20/1995	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33
S-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64

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S-5	01/22/1997	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16
S-5	07/21/1997	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05
S-5	01/22/1998	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04
S-5	07/08/1998	220	14	40	5.8	34	3.3	NA	22.94	18.61	4.33	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA
S-5	01/28/1999	51000	13000	1200	1200	2400	2400	NA	22.94	20.11	2.83	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	22.94	19.21	3.73	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	22.94	14.77	8.17	NA
S-5	11/01/1999	48200	2700	5740	1290	7850	<500	<40.0	22.94	15.56	7.38	NA
S-5	01/07/2000	39000	3900	8500	790	8300	1500	NA	22.94	15.82	7.12	NA
S-5	04/11/2000	29300	1680	5060	1130	6220	<250	NA	22.94	18.19	4.75	NA
S-5	07/19/2000	6420	2110	207	252	681	355	253b	22.94	19.01	3.93	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	22.94	19.62	3.32	NA
S-5	**01/09/2001**	**142000**	**7030**	**9550**	**2340**	**12600**	**779**	**NA**	**22.94**	**19.94**	**3.00**	**NA**
S-6	04/16/1987	81000	16000	9000	NA	6400a	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	02/14/1989	54000	18000	4500	1400	4000	NA	NA	100.58 (TOC)	20.87	79.71	NA
S-6	05/01/1989	93000	43000	9900	3000	8000	NA	NA	100.58 (TOC)	20.49	80.09	NA
S-6	07/27/1989	52000	20000	3200	1700	5500	NA	NA	100.58 (TOC)	21.01	79.57	NA
S-6	10/05/1989	55000	20000	2900	1600	5500	NA	NA	100.58 (TOC)	21.24	79.34	NA
S-6	01/09/1990	76000	35000	9100	2300	8600	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN
S-6	04/30/1990	39000	13000	2300	900	2800	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	07/31/1990	48000	20000	4600	1500	4900	NA	NA	100.58 (TOC)	22.00	78.58	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/06/1991	35000	3900	2700	2300	3500	NA	NA	100.58 (TOC)	22.40	78.18	NA
S-6	06/27/1991	51000	19000	5600	1700	6300	NA	NA	100.58 (TOC)	21.21	79.37	NA

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S-6	09/24/1991	42000	14000	4300	1200	4000	NA	NA	100.58 (TOC)	22.26	78.32	NA
S-6	11/07/1991	39000	11000	2000	800	2300	NA	NA	100.58 (TOC)	22.35	78.23	NA
S-6	02/13/1992	64000	21000	6200	1600	5100	NA	NA	100.58 (TOC)	22.28	78.30	NA
S-6	05/11/1992	57000	22000	7600	2200	7700	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	12/03/1992	110000	26000	9400	2100	8700	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/13/1993	58000	21000	6800	2500	9800	NA	NA	100.58 (TOC)	22.16	78.42	NA
S-6	07/22/1993	70000	31000	14000	3000	13000	NA	NA	100.58 (TOC)	21.64	78.94	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	100.58 (TOC)	21.62	78.96	NA
S-6	01/25/1994	70000	23000	7500	2500	8000	NA	NA	100.58 (TOC)	21.80	78.78	NA
S-6	04/25/1994	61000	16000	4000	1800	5100	NA	NA	100.58 (TOC)	21.68	78.90	NA
S-6	07/21/1994	44000	8200	3600	1400	3900	NA	NA	100.58 (TOC)	21.78	78.80	NA
S-6 (D)	07/21/1994	32000	7800	3400	1300	3700	NA	NA	22.08	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	100.58 (TOC)	22.06	78.52	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	22.08	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	22.08*	21.91	0.17	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	22.08	NA	NA	NA
S-6	04/20/1995	56000	15000	3800	1900	4900	NA	NA	22.08	21.38	0.70	NA
S-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	22.08	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	22.08	21.80	0.28	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	22.08	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	22.08	21.70	0.38	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	22.08	21.62	0.46	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	22.08	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	22.08	21.65	2.78	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	22.08	21.80	2.63	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	22.08	19.95	2.13	NA
S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	22.08	NA	NA	NA

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S-6	07/21/1997	61000	15000	2100	1100	3500`	1900	NA	22.08	20.61	1.47	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	22.08	19.82	2.26	NA
S-6	07/08/1998	74000	26000	7500	2200	6200	<1000	NA	22.08	18.20	3.88	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA
S-6	01/28/1999	120000	9000	14000	2700	14000	3700	NA	22.08	19.73	2.35	NA
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	22.08	17.58	4.50	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	22.08	21.35	0.73	NA
S-6	11/01/1999	36000	11700	767	865	1670	<1250	<40.0	22.08	19.23	2.85	NA
S-6	01/07/2000	36000	7600	4600	840	3600	<1000	NA	22.08	19.53	2.55	NA
S-6	04/11/2000	14600	7540	205	306	609	621	NA	22.08	18.16	3.92	NA
S-6	07/19/2000	2590	629	63.9	99.6	267	124	72.7b	22.08	18.40	3.68	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	22.08	19.52	2.56	NA
S-6	**01/09/2001**	**27600**	**11200**	**675**	**666**	**1580**	**1430**	**<10.0b**	**22.08**	**19.69**	**2.39**	**NA**
S-6	**02/05/2001**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**22.08**	**19.20**	**2.88**	**NA**
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	27.21	24.87	2.34	NA
S-8	04/20/1995	460	180	23	5.2	21	NA	NA	27.21	23.90	3.31	NA
S-8	10/04/1995	830	210	38	11	42	NA	NA	27.21	24.48	2.73	NA
S-8	01/03/1996	350	61	12	2.5	12	NA	NA	27.21	24.62	2.59	NA
S-8 (D)	01/03/1996	340	54	12	2.4	12	NA	NA	27.21	NA	NA	NA
S-8	04/11/1996	570	140	37	12	47	<6.2	NA	27.21	24.32	2.89	NA
S-8	07/11/1996	980	98	32	9.1	160	<12	NA	27.21	24.10	3.11	NA
S-8	10/02/1996	280	62	13	3.3	25	15	NA	27.21	25.38	1.83	NA
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	27.21	NA	NA	NA
S-8	01/22/1997	400	90	13	4.9	25	12	NA	27.21	23.91	3.30	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	27.21	23.62	3.59	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	27.21	NA	NA	NA

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Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-8	01/22/1998	3800	790	140	42	330	160	NA	27.21	23.52	3.69	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	27.21	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	27.21	21.52	5.69	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	27.21	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	27.21	23.03	4.18	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	27.21	22.15	5.06	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	27.21	21.95	5.26	NA
S-8	11/01/1999	1800	550	6.45	15	40.4	<50.0	NA	27.21	22.55	4.66	NA
S-8	01/07/2000	1300	600	11	29	48	<13	NA	27.21	22.87	4.34	NA
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	NA	27.21	21.86	5.35	NA
S-8	07/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	27.21	21.93	5.28	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	27.21	22.92	4.29	NA
S-8	**01/09/2001**	**1090**	**394**	**<10.0**	**<10.0**	**33.3**	**57.6**	**NA**	**27.21**	**23.19**	**4.02**	**NA**
S-9	12/22/1994	2600	400	150	42	310	NA	NA	26.06	24.37	1.69	NA
S-9	04/20/1995	1900	400	130	51	200	NA	NA	26.06	23.49	2.57	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	26.06	24.01	2.05	NA
S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	26.06	23.61	2.45	NA
S-9	07/11/1996	5200	940	450	120	520	<50	NA	26.06	23.78	2.28	NA
S-9 (D)	07/11/1996	4800	890	430	110	500	<50	NA	26.06	NA	NA	NA
S-9	10/02/1996	3000	680	220	56	270	<62	NA	26.06	24.31	1.75	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	26.06	23.08	2.98	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	26.06	22.83	3.23	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	26.06	21.96	4.10	NA
S-9	07/08/1998	820	150	6.2	8	57	<10	NA	26.06	20.85	5.21	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	26.06	22.32	3.74	NA
S-9	04/23/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA
S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	26.06	21.25	4.81	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	26.06	22.11	3.95	NA
S-9	04/11/2000	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA
S-9	07/19/2000	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA
S-9	**01/09/2001**	**<50.0**	**1.45**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**26.06**	**22.52**	**3.54**	**NA**
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	28.04	25.84	2.20	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	28.04	24.92	3.12	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	28.04	25.47	2.57	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	28.04	25.60	2.44	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	28.04	25.27	2.77	NA
S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	28.04	25.46	2.58	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	28.04	25.81	2.23	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	28.04	24.74	3.30	NA
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	28.04	24.50	3.54	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	28.04	24.44	3.60	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	28.04	22.36	5.68	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	28.04	23.82	4.22	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	28.04	22.63	5.41	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
Oakland, CA
Wic #204-5508-6200

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	NA	28.04	23.33	4.71	NA
S-10	04/11/2000	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	28.04	23.04	5.00	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA
S-10	**01/09/2001**	**647**	**7.62**	**1.01**	**66.2**	**42.4**	**<2.50**	**NA**	**28.04**	**24.13**	**3.91**	**NA**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
MTBE = methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = parts per billion
msl = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample
NA = Not applicable

Notes:
* = Prior to December 22, 1994, well elevations taken from Top of Casing.
a = Ethylbenzene and xylenes combined
b = This sample analyzed outside of EPA recommended holding time.

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15 February, 2001

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 461 8th St.
Sequoia Report: MKA0247

Enclosed are the results of analyses for samples received by the laboratory on 01/10/01 16:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210

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Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-4	MKA0247-01	Water	01/09/01 09:12	01/10/01 16:43
S-6	MKA0247-02	Water	01/09/01 09:42	01/10/01 16:43
S-8	MKA0247-03	Water	01/09/01 09:34	01/10/01 16:43
S-9	MKA0247-04	Water	01/09/01 09:20	01/10/01 16:43
S-10	MKA0247-05	Water	01/09/01 09:26	01/10/01 16:43
S-5	MKA0247-06	Water	01/09/01 10:00	01/10/01 16:43

Wayne Stevenson, Client Services Manager

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Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4 (MKA0247-01) Water Sampled: 01/09/01 09:12 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A19003	01/19/01	01/19/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*		*70-130*		"	"	"	
S-6 (MKA0247-02) Water Sampled: 01/09/01 09:42 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	**27600**	10000	ug/l	200	1A19003	01/19/01	01/19/01	DHS LUFT	P-03
Benzene	**11200**	100	"	"	"	"	"	"	
Toluene	**675**	100	"	"	"	"	"	"	
Ethylbenzene	**666**	100	"	"	"	"	"	"	
Xylenes (total)	**1580**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**1430**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*		*70-130*		"	"	"	
S-8 (MKA0247-03) Water Sampled: 01/09/01 09:34 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	**1090**	1000	ug/l	20	1A19003	01/19/01	01/19/01	DHS LUFT	P-03
Benzene	**394**	10.0	"	"	"	"	"	"	
Toluene	ND	10.0	"	"	"	"	"	"	
Ethylbenzene	ND	10.0	"	"	"	"	"	"	
Xylenes (total)	**33.3**	10.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**57.6**	50.0	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*		*70-130*		"	"	"	

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Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-9 (MKA0247-04) Water Sampled: 01/09/01 09:20 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1A19003	01/19/01	01/19/01	DHS LUFT	
Benzene	**1.45**	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*70-130*		"	"	"	"	
S-10 (MKA0247-05) Water Sampled: 01/09/01 09:26 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	**647**	50.0	ug/l	1	1A17002	01/17/01	01/17/01	DHS LUFT	P-01
Benzene	**7.62**	0.500	"	"	"	"	"	"	
Toluene	**1.01**	0.500	"	"	"	"	"	"	
Ethylbenzene	**66.2**	0.500	"	"	"	"	"	"	
Xylenes (total)	**42.4**	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*131 %*	*70-130*		"	"	"	"	*S-02*
S-5 (MKA0247-06) Water Sampled: 01/09/01 10:00 Received: 01/10/01 16:43									
Purgeable Hydrocarbons	**142000**	10000	ug/l	200	1A19004	01/19/01	01/19/01	DHS LUFT	P-01
Benzene	**7030**	100	"	"	"	"	"	"	
Toluene	**9550**	100	"	"	"	"	"	"	
Ethylbenzene	**2340**	100	"	"	"	"	"	"	
Xylenes (total)	**12600**	100	"	"	"	"	"	"	
Methyl tert-butyl ether	**779**	500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.8 %*	*70-130*		"	"	"	"	

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Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-6 (MKA0247-02) Water Sampled: 01/09/01 09:42 Received: 01/10/01 16:43									
Methyl tert-butyl ether	ND	10.0	ug/l	10	1B08005	02/07/01	02/07/01	EPA 8260A	H-02
Surrogate: 1,2-Dichloroethane-d4		*159 %*	*70-130*		"	"	"	"	*H-02,S-04*

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1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A17002 - EPA 5030B [P/T]										
Blank (1A17002-BLK1)				Prepared & Analyzed: 01/17/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.53*		"	*10.0*		*95.3*	*70-130*			
LCS (1A17002-BS1)				Prepared & Analyzed: 01/17/01						
Benzene	9.88	0.500	ug/l	10.0		98.8	70-130			
Toluene	9.57	0.500	"	10.0		95.7	70-130			
Ethylbenzene	7.48	0.500	"	10.0		74.8	70-130			
Xylenes (total)	23.3	0.500	"	30.0		77.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*8.73*		"	*10.0*		*87.3*	*70-130*			
Batch 1A19003 - EPA 5030B [P/T]										
Blank (1A19003-BLK1)				Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*8.12*		"	*10.0*		*81.2*	*70-130*			
LCS (1A19003-BS1)				Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	254	50.0	ug/l	250		102	70-130			
Surrogate: a,a,a-Trifluorotoluene	*14.4*		"	*10.0*		*144*	*70-130*			*S-02*

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1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19003 - EPA 5030B [P/T]										
Matrix Spike (1A19003-MS1)		**Source: MKA0247-01**		Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	279	50.0	ug/l	250	ND	112	60-140			
Surrogate: a,a,a-Trifluorotoluene	*14.2*		"	*10.0*		*142*	*70-130*			*S-02*
Matrix Spike Dup (1A19003-MSD1)		**Source: MKA0247-01**		Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	303	50.0	ug/l	250	ND	121	60-140	8.25	25	
Surrogate: a,a,a-Trifluorotoluene	*14.2*		"	*10.0*		*142*	*70-130*			*S-02*
Batch 1A19004 - EPA 5030B [P/T]										
Blank (1A19004-BLK1)				Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	*9.99*		"	*10.0*		*99.9*	*70-130*			
LCS (1A19004-BS1)				Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	232	50.0	ug/l	250		92.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*9.13*		"	*10.0*		*91.3*	*70-130*			
Matrix Spike (1A19004-MS1)		**Source: MKA0251-01**		Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	252	50.0	ug/l	250	ND	101	60-140			
Surrogate: a,a,a-Trifluorotoluene	*9.35*		"	*10.0*		*93.5*	*70-130*			
Matrix Spike Dup (1A19004-MSD1)		**Source: MKA0251-01**		Prepared & Analyzed: 01/19/01						
Purgeable Hydrocarbons	231	50.0	ug/l	250	ND	92.4	60-140	8.70	25	
Surrogate: a,a,a-Trifluorotoluene	*9.43*		"	*10.0*		*94.3*	*70-130*			

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Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

MTBE Confirmation by EPA Method 8260A - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19006 - EPA 5030B P/T										
Blank (1A19006-BLK1)				Prepared & Analyzed: 01/18/01						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*9.04*		"	*10.0*		*90.4*	*70-130*			
LCS (1A19006-BS1)				Prepared: 01/17/01 Analyzed: 01/18/01						
Methyl tert-butyl ether	7.72	1.00	ug/l	10.0		77.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.32*		"	*10.0*		*93.2*	*70-130*			
Matrix Spike (1A19006-MS1)		**Source: MKA0254-01**		Prepared & Analyzed: 01/18/01						
Methyl tert-butyl ether	922	40.0	ug/l	400	618	76.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.3*		"	*10.0*		*103*	*70-130*			
Matrix Spike Dup (1A19006-MSD1)		**Source: MKA0254-01**		Prepared & Analyzed: 01/18/01						
Methyl tert-butyl ether	977	40.0	ug/l	400	618	89.8	70-130	5.79	25	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		"	*10.0*		*105*	*70-130*			
Batch 1A24006 - EPA 5030B [P/T]										
Blank (1A24006-BLK1)				Prepared & Analyzed: 01/23/01						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*9.48*		"	*10.0*		*94.8*	*70-130*			
LCS (1A24006-BS1)				Prepared & Analyzed: 01/23/01						
Methyl tert-butyl ether	7.31	1.00	ug/l	10.0		73.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.58*		"	*10.0*		*95.8*	*70-130*			
Matrix Spike (1A24006-MS1)		**Source: MKA0253-02**		Prepared & Analyzed: 01/23/01						
Methyl tert-butyl ether	49.0	1.00	ug/l	20.0	29.0	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*10.7*		"	*10.0*		*107*	*70-130*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

Blaine Tech Services (Shell)	Project: 461 8th St.	
1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

MTBE Confirmation by EPA Method 8260A - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A24006 - EPA 5030B [P/T]										
Matrix Spike Dup (1A24006-MSD1)		**Source: MKA0253-02**		Prepared & Analyzed: 01/23/01						
Methyl tert-butyl ether	47.6	1.00	ug/l	20.0	29.0	93.0	70-130	2.90	25	
Surrogate: 1,2-Dichloroethane-d4	*11.2*		"	*10.0*		*112*	*70-130*			
Batch 1B08005 - EPA 5030B P/T										
Blank (1B08005-BLK1)				Prepared & Analyzed: 02/07/01						
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*9.60*		"	*10.0*		*96.0*	*70-130*			
LCS (1B08005-BS1)				Prepared & Analyzed: 02/07/01						
Methyl tert-butyl ether	7.75	1.00	ug/l	10.0		77.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	*9.77*		"	*10.0*		*97.7*	*70-130*			
Matrix Spike (1B08005-MS1)		**Source: MKA0430-03**		Prepared & Analyzed: 02/07/01						
Methyl tert-butyl ether	14.6	1.00	ug/l	10.0	5.01	95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*11.7*		"	*10.0*		*117*	*70-130*			
Matrix Spike Dup (1B08005-MSD1)		**Source: MKA0430-03**		Prepared & Analyzed: 02/07/01						
Methyl tert-butyl ether	12.6	1.00	ug/l	10.0	5.01	75.9	70-130	14.7	25	
Surrogate: 1,2-Dichloroethane-d4	*9.88*		"	*10.0*		*98.8*	*70-130*			

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1680 Rogers Avenue	Project Number: 461 8th St./ Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Nick Sudano	02/15/01 15:43

Notes and Definitions

H-02	This sample was analyzed outside of EPA recommended hold time.
P-01	Chromatogram Pattern: Gasoline C6-C12
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

EQUIVA Services LLC Chain Of Custody Record

Identification (if necessary):
ress:
, State, Zip:

Equiva Project Manager to be Invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY): 9 7 0 9 3 3 9 9

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 1/9/01

PAGE: 1 of 1

TANT COMPANY: Tech Services
S: Rogers Avenue
se, CA 95112
ONE: 3-0555 | FAX: 408-573-7771 | E-MAIL: nsudano@blainetech.com

SITE ADDRESS (Street and City): 461 8th Street, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010109N-1

SAMPLER NAME(S) (Print): Garrett Haertel

LAB USE ONLY:

AROUND TIME (BUSINESS DAYS): DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

ANDCB REPORT FORMAT ☐ UST AGENCY:

MTBE CONFIRMATION: HIGHEST X HIGHEST per BORING ____ ALL ____

AL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

Confirm highest MTBE Hit
by 8260

*CONFIRM ANY DETECTED MTBE IN WELL S-9

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (8) by (8260B)	Ethanol, Methanol (8015B)		MTBE (8260B) Confirmation. See Note										FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes MKA0247
S-4	1/9/01	912	W	3	X	X	X						X										01
S-6	↓	942	↓	↓	X	X	X						X										02
S-8		934			X	X	X						X										03
S-9		920			X	X	X						X	SEE NOTE *									04
S-10		926			X	X	X						X										05
S-5	↓	1002	↓	↓	X	X	X						X										06

Relinquished by: (Signature) [signature] 1/10/01	Received by: (Signature) [signature]	Date: 1/10/01	Time: 8:55
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

White with final report, Green to File, Yellow and Pink to Client.

GEO Graphic (714) 898-9702 10/15/00 Revision

WELL GAUGING DATA

Project # 010205 ~~020501~~-K2 Date 2/5/01 Client EQUVA

Site 461 8th ST OAKLAND CAL

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~~	
S-6	4	odor				19.20	36.35	TOB	

EQUIVA WELL MONITORING DATA SHEET

Project #: 020501-KZ (020505)	Job # 020501-KZ
Sampler: HOYT	Date: 2/5/01
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 36.35	Depth to Water: 19.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: GRUNDFOS PUMP 2"

Sampling Method: Bailer / Extraction Port / Other: _____

Purge (1 Case Volume (Gals.)) x Specified (Specified Volumes) = 150 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:36	68.1	6.54	949	57.5	50	odor
13:46	68.8	6.47	941	40.4	100	↓
13:56	68.9	6.47	903	19.8	150	↓

Did well dewater? Yes (No) Gallons actually evacuated: 150

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Sequoia BC Other_____

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

WELL GAUGING DATA

Project # 010109N-1 Date 1/9/01 Client Equiva

Site 461 9th St, 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	
1	S-4	4					22.17	29.06		
6	S-5	4					19.94	36.61		
5	S-6	4					19.69	36.42		
4	S-8	4					23.19	29.22		
2	S-9	4					22.52	30.67		
3	S-10	4					24.13	36.36		

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109D-1	Job # 2041 5500 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.06	Depth to Water: 22.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

NO	X	Purge	=	___ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
910	65.1	7.1	712	147	/	

Did well dewater? Yes / (No)		Gallons actually evacuated: /	
Sampling Time: 912		Sampling Date: 1/9/01	
Sample I.D.: S-4		Laboratory: (Sequoia) BC Other ___	
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

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109N-1	Job # 2041 5508 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 38.61	Depth to Water: 19.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: (Bailer) / Extraction Port / Other: _____

NO (1 Case Volume (Gals.)) X Purge (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
957	65.4	7.1	961	76	~	
OVERPURGE						
1015	67.2	7.1	947	81	50	
1025	67.1	7.1	952	86	100	

Did well dewater? Yes (No) Gallons actually evacuated: ~~100~~ 100

Sampling Time: 1000 Sampling Date: 1/9/01

Sample I.D.: S-5 Laboratory: (Sequoia) BC Other _____

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109N-1	Job # 2041 5500 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 34.42	Depth to Water: 19.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

no	X	purge	= ___ Gals.
1 Case Volume (Gals.)		Specified Volumes	Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
940	65.3	7.2	464	12	✓	
Unable	to purge well needs		2" Electric Sub.		to remove	
	150gal. - BENT CASING					

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

Sampling Time: 942 Sampling Date: 1/9/01

Sample I.D.: S-6 Laboratory: (Sequoia) BC Other ___

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109N-1	Job # 2041 5508 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.22	Depth to Water: 23.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume	Gals.
no		N/R			

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
932	65.6	7.0	720	22	✓	

Did well dewater? Yes ✓ No — Gallons actually evacuated: ✓

Sampling Time: 934 — Sampling Date: 1/9/01

Sample I.D.: S-8 — Laboratory: (Sequoia) BC Other ___

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

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109N-1	Job # 2041 5508 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 30.07	Depth to Water: 22.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: (Bailer) / Extraction Port / Other: ___

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
NO		PURGE		___ Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
919	63.9	7.2	628	42	—	

Did well dewater? Yes — No		Gallons actually evacuated: —	
Sampling Time: 920		Sampling Date: 1/9/01	
Sample I.D.: S-9		Laboratory: (Sequoia) BC Other ___	
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

EQUIVA WELL MONITORING DATA SHEET

Project #: 010109N-1	Job # 2041 5508 6200
Sampler: GT	Date: 1/9/01
Well I.D.: S-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 36.36	Depth to Water: 24.13
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: (Bailer) / Extraction Port / Other: _____

___ (1 Case Volume (Gals.)) X ___ (Specified Volumes) = ___ (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
924	65.2	7.0	.027	27		

Did well dewater? Yes / (No)		Gallons actually evacuated:	
Sampling Time: 926		Sampling Date: 1/9/01	
Sample I.D.: S-10		Laboratory: (Sequoia) BC Other ___	
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