

July 31, 2001

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 2001 Monitoring Report**
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842
Cambria Project #243-0497-002

AUG 02 2001



Dear Mr. Seery:

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.

SECOND QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Groundwater Extraction: Beginning the week of May 14, 2001 Advanced Cleanup Technologies Inc. of Benicia, California conducted three weekly eight-hour mobile groundwater extraction (GWE) events using wells S-2, S-4 and T-2. Mobile GWE vacuum operations consist of lowering dedicated stingers into monitoring wells and extracting fluids using a vacuum truck. The volume of fluid extracted is recorded and used to calculate the quantity of aqueous-phase hydrocarbon removed from the subsurface. Mass-removal data for the site is presented in Table 1. **Approximately 0.059 pounds of methyl tert butyl ether were removed by GWE this quarter.**

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

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

ANTICIPATED THIRD QUARTER 2001 ACTIVITIES

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

Groundwater Extraction: Cambria will coordinate a total of three GWE events to be scheduled every two weeks until the next sampling event in September. At that time, Cambria will evaluate the GWE effectiveness. Cambria will tabulate the mass removal data for this site.



CLOSING

We appreciate the opportunity to work with you on this project. Please call Stephan Bork at (510) 420-3344 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Barbara J. Jakub
Project Geologist

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

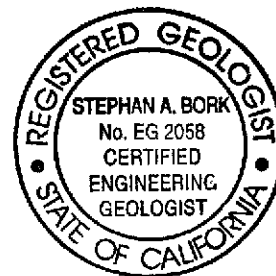


Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Extraction - Mass Removal Data

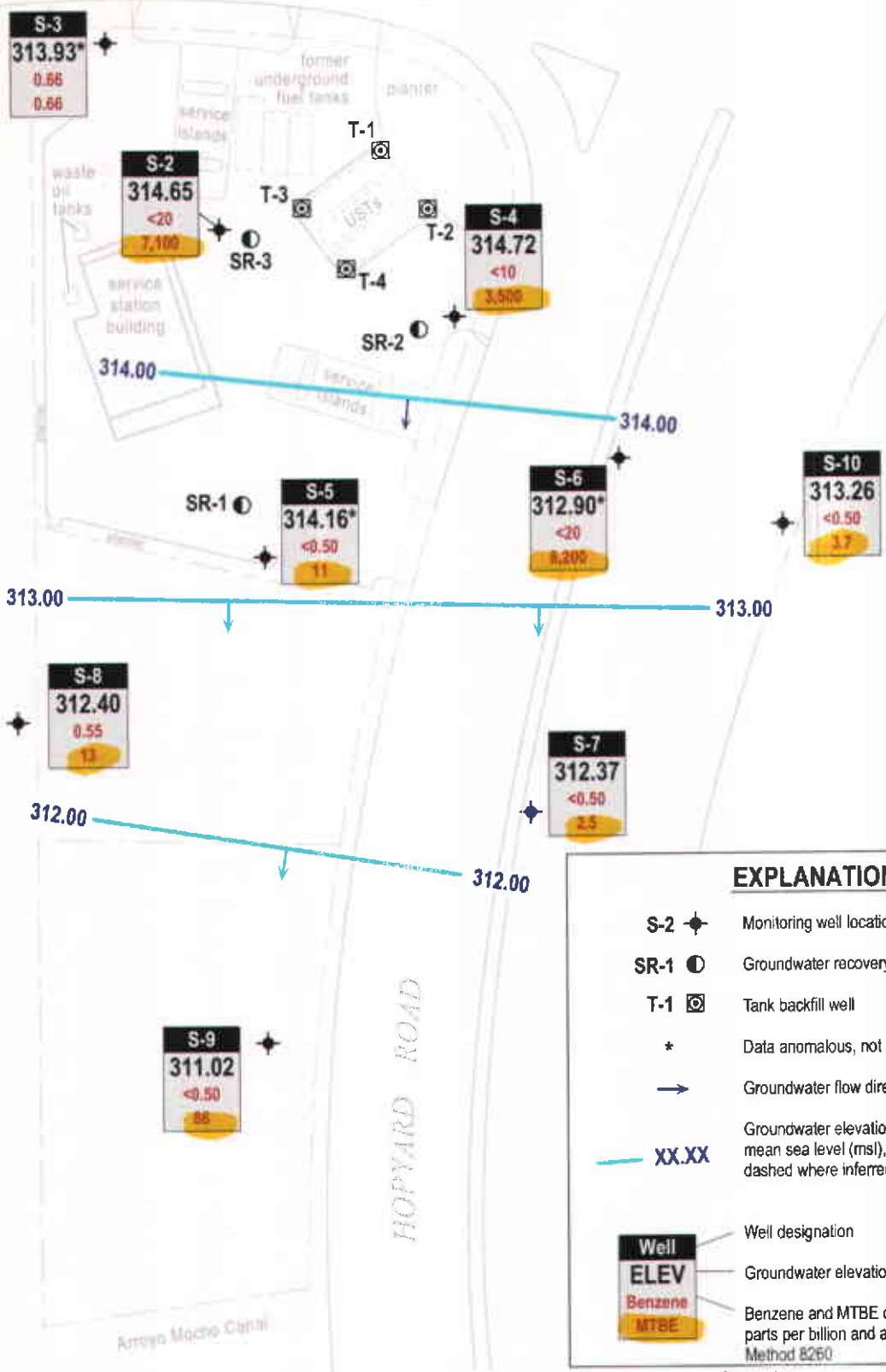
Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Chuck Headlee, RWQCB, 1515 Clay Street, Suite 1400, Oakland, California 94612
Ted Klenk, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, California 94566
Bill Stiles, 516 McGrath Court, Pleasant Hill, California 94523
Carol Mahoney, 5997 Parkside Drive, Pleasanton, California 94588-5127

LOS POSITAS BOULEVARD



0 30 60
Scale (ft)



EXPLANATION

- S-2 ◆ Monitoring well location
- SR-1 ● Groundwater recovery well location
- T-1 ☒ Tank backfill well
- * Data anomalous, not used for contouring
- Groundwater flow direction
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well designation

Well ELEV

Benzene

MTBE

Groundwater elevation, in feet above msl

Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260

FIGURE
1

Base map from GeoStrategies

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842



C A M B R I A

Groundwater Elevation Contour Map

June 18, 2001

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH			Benzene			MTBE			
					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)	
05/17/01	S-2	20	20	03/07/01	<500	0.00004	0.00004	14.7	0.00000	0.00000	8,610	0.00144	0.00144	
05/22/01	S-2	100	120	03/07/01	<500	0.00021	0.00025	14.7	0.00001	0.00001	8,610	0.00718	0.00862	
05/29/01	S-2	75	195	03/07/01	<500	0.00016	0.00041	14.7	0.00001	0.00002	8,610	0.00539	0.01401	
05/17/01	S-4	100	100	03/07/01	<500	0.00021	0.00021	5.44	0.00000	0.00000	14,500	0.01210	0.01210	
05/22/01	S-4	150	250	03/07/01	<500	0.00031	0.00052	5.44	0.00001	0.00001	14,500	0.01815	0.03025	
05/29/01	S-4	125	375	03/07/01	<500	0.00026	0.00078	5.44	0.00001	0.00002	14,500	0.01512	0.04537	
05/17/01	T-2	2,300	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000	
05/22/01	T-2	0	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000	
05/29/01	T-2	0	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000	
Total Gallons Extracted:			2,870	Total Pounds Removed:			0.00119	Total Pounds Removed:			0.00004	Total Pounds Removed:		0.05938
				Total Gallons Removed:			0.00019				0.00001			0.00958

Abbreviations & 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

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) 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

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.

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

July 13, 2001

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

Second Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Monitoring performed on June 18, 2001

Groundwater Monitoring Report 010618-J-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 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.

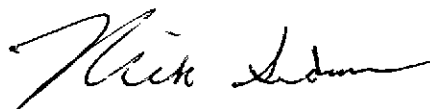
At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

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,

A handwritten signature in black ink, appearing to read "Nick Sudano". The signature is fluid and cursive, with the first name "Nick" being larger and more prominent than the last name "Sudano".

Nick Sudano
Project Coordinator

NS/mb

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
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-2	03/20/1991	110	NA	30	2.2	10	7	NA	NA	329.21	NA	NA	NA
S-2	06/26/1991	50a	NA	6.3	<0.5	3.3	1.3	NA	NA	329.21	NA	NA	NA
S-2	09/05/1991	90	NA	12	3.2	2.5	2.3	NA	NA	329.21	NA	NA	NA
S-2	12/13/1991	<50	NA	12	<0.5	<0.5	<0.5	NA	NA	329.21	15.85	313.36	NA
S-2	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.21	14.94	314.27	NA
S-2	06/24/1992	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	329.21	15.78	313.43	NA
S-2	09/17/1992	78	NA	2.6	1.3	1.3	0.9	NA	NA	329.21	15.03	314.18	NA
S-2	12/11/1992	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	329.21	14.81	314.40	NA
S-2	02/04/1993	55	NA	1.3	0.7	0.7	<0.5	NA	NA	329.21	NA	NA	NA
S-2	06/03/1993	<50	NA	0.7	<0.5	<0.5	<0.5	NA	NA	329.21	NA	NA	NA
S-2	09/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.63	314.58	NA
S-2	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.70	314.51	NA
S-2	06/16/1994	<50	NA	0.8	<0.5	0.7	<0.5	NA	NA	329.21	14.94	314.27	NA
S-2	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	15.17	314.04	NA
S-2	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.25	314.96	NA
S-2	06/12/1996	<50	NA	6.1	<0.5	<0.5	<0.5	48	NA	329.21	14.31	314.90	NA
S-2	06/25/1997	120	NA	25	0.59	2.4	8.7	130	NA	329.21	14.40	314.81	4.4
S-2	06/19/1998	450	NA	96	<2.5	4	19	180	NA	329.21	13.72	315.49	2.8
S-2	06/17/1999	312	NA	74.4	2.04	1.02	<1.00	147	NA	329.21	13.97	315.24	3.7
S-2	06/15/2000	1,050	NA	261	<5.00	7.54	11.4	13,500	9,850b	329.21	14.25	314.96	3.3
S-2	11/29/2000	<250	NA	3.75	<2.50	<2.50	<2.50	12,400	10,700b	329.21	14.82	314.39	2.2
S-2	03/07/2001	<500	NA	14.7	<5.00	<5.00	<5.00	8,610	NA	329.21	13.70	315.51	2.3
S-2	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	7,100	329.21	14.56	314.65	NA

S-3	03/20/1991	70	NA	2.3	8.9	4	23	NA	NA	327.67	NA	NA	NA
S-3	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
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Wic #204-6138-0501

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S-3	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.87	313.80	NA
S-3	03/11/1992	<30	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.05	314.62	NA
S-3	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.86	313.81	NA
S-3	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.01	314.66	NA
S-3	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.00	314.67	NA
S-3	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.02	314.65	NA
S-3	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA
S-3	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.67	15.17	312.50	NA
S-3	06/21/1995	50	NA	4.1	<0.5	20	1.2	NA	NA	327.67	12.49	315.18	NA
S-3	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.67	12.53	315.14	NA
S-3	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	12.64	315.03	1.8
S-3	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	11.74	315.93	4.1
S-3	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.67	12.35	315.32	2.8
S-3	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.51	315.16	3.2
S-3	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.84	314.83	1.0
S-3	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.42	315.25	2.8
S-3	06/18/2001	<50	NA	0.66	1.1	<0.50	0.51	NA	0.66	327.67	13.74	313.93	NA

S-4	03/20/1991	1,200	NA	100	<2.0	210	130	NA	NA	328.53	NA	NA	NA
S-4	06/26/1991	220	NA	14	<0.5	34	17	NA	NA	328.53	NA	NA	NA
S-4	09/05/1991	580	NA	31	0.8	53	26	NA	NA	328.53	NA	NA	NA
S-4	12/13/1991	370	NA	24	0.9	1.3	46	NA	NA	328.53	15.20	313.33	NA
S-4	03/11/1992	1,600	NA	23	1.2	12	20	NA	NA	328.53	14.37	314.16	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-4	06/24/1992	480	NA	48	<1.0	95	22	NA	NA	328.53	15.30	313.23	NA
S-4	09/17/1992	260	NA	35	1.2	51	7.8	NA	NA	328.53	14.17	314.36	NA
S-4	12/11/1992	270	NA	34	0.8	28	4.5	NA	NA	328.53	14.18	314.35	NA
S-4	02/04/1993	1,100	NA	12	<5.0	89	100	NA	NA	328.53	NA	NA	NA
S-4	06/03/1993	210	NA	48	1.1	42	4	NA	NA	328.53	NA	NA	NA
S-4	09/15/1993	700	NA	21	<1.0	110	91	NA	NA	328.53	13.86	314.67	NA
S-4	12/09/1993	250	NA	39	<0.5	3.8	2.6	NA	NA	328.53	14.16	314.37	NA
S-4	03/04/1994	150	NA	25	1.4	6.8	2.8	NA	NA	328.53	14.17	314.36	NA
S-4 (D)	03/04/1994	140	NA	28	0.8	7.9	3.2	NA	NA	328.53	14.17	314.36	NA
S-4	06/16/1994	90	NA	12	<0.5	1.8	2.4	NA	NA	328.53	14.14	314.39	NA
S-4 (D)	06/16/1994	80	NA	5.9	<0.5	1.5	0.9	NA	NA	328.53	14.14	314.39	NA
S-4	09/13/1994	<50	NA	23	<0.5	4.9	2.4	NA	NA	328.53	14.42	314.11	NA
S-4 (D)	09/13/1994	<50	NA	23	<0.5	4	2.3	NA	NA	328.53	14.42	314.11	NA
S-4	06/21/1995	270	NA	34	1.4	25	7.6	NA	NA	328.53	13.82	314.71	NA
S-4 (D)	06/21/1995	280	NA	35	2.1	26	8.4	NA	NA	328.53	13.82	314.71	NA
S-4	06/12/1996	360	NA	52	<0.5	<0.5	<0.5	92	NA	328.53	13.64	314.89	NA
S-4 (D)	06/12/1996	430	NA	54	<1.2	72	21	96	NA	328.53	13.64	314.89	NA
S-4	06/25/1997	6,700	NA	93	1,200	240	1,300	6,900	6,800	328.53	13.74	314.79	0.6
S-4	06/19/1998	3,500	NA	56	15	140	670	2,100	NA	328.53	12.55	315.98	0.8
S-4 (D)	06/19/1998	3,000	NA	51	14	110	530	2,000	NA	328.53	12.55	315.98	0.8
S-4	06/17/1999	1,510	NA	28.4	9.84	176	132	1,780	NA	328.53	13.24	315.29	4.8
S-4	06/15/2000	<500	NA	12.0	<5.00	31.0	22.8	12,200	NA	328.53	13.65	314.88	2.1
S-4	11/29/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	12,100	NA	328.53	14.23	314.30	1.8
S-4	03/07/2001	<500	NA	5.44	<5.00	6.49	<5.00	11,400	14,500	328.53	13.15	315.38	2.4
S-4	06/18/2001	<1,000	NA	<10	<10	<10	<10	NA	3,500	328.53	13.81	314.72	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	03/20/1991	310	NA	39	12	18	30	NA	NA	329.66	NA	NA	NA
S-5	06/26/1991	1,300	NA	250	62	120	180	NA	NA	329.66	NA	NA	NA
S-5	09/05/1991	4,700	NA	660	150	170	280	NA	NA	329.66	NA	NA	NA
S-5	12/13/1991	1,400	NA	580	19	110	80	NA	NA	329.66	17.48	312.18	NA
S-5	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.66	16.22	313.44	NA
S-5	06/24/1992	1,800	NA	380	52	120	180	NA	NA	329.66	17.47	312.19	NA
S-5	09/17/1992	2,200	NA	750	91	170	170	NA	NA	329.66	16.84	312.82	NA
S-5	12/11/1992	8,700	NA	1,600	66	48	340	NA	NA	329.66	16.37	313.29	NA
S-5	02/04/1993	150	NA	156	0.7	4.7	4	NA	NA	329.66	NA	NA	NA
S-5	06/03/1993	480	NA	140	3.4	17	14	NA	NA	329.66	NA	NA	NA
S-5	09/15/1993	80	NA	2.4	0.5	1.4	2.9	NA	NA	329.66	16.20	313.46	NA
S-5	12/09/1993	120	NA	0.56	<0.5	2.2	1.2	NA	NA	329.66	16.26	313.40	NA
S-5	03/04/1994	70	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.25	313.41	NA
S-5	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.04	313.62	NA
S-5	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	11.52	318.14	NA
S-5	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	14.50	315.16	NA
S-5	06/12/1996	<500	NA	6	<5.0	<5.0	<5.0	1,400	NA	329.66	12.53	317.13	NA
S-5	06/25/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	1,100	NA	329.66	15.34	314.32	1.1
S-5	06/19/1998	<50	NA	1	<0.50	<0.50	<0.50	61	NA	329.66	13.71	315.95	3.6
S-5	06/17/1999	<50.0	NA	1.44	<0.500	<0.500	<0.500	336	NA	329.66	13.56	316.10	1.4
S-5	06/15/2000	<50.0	NA	0.820	<0.500	<0.500	<0.500	221	NA	329.66	15.00	314.66	2.7
S-5	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	183	NA	329.66	16.29	313.37	0.7
S-5	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.55	NA	329.66	15.49	314.17	2.5
S-5	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	11	329.66	15.50	314.16	NA
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	327.62	NA	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-6	06/26/1991	120a	NA	3.8	0.8	<0.5	1.7	NA	NA	327.62	NA	NA	NA
S-6	09/05/1991	60	NA	<0.5	0.8	<0.5	0.5	NA	NA	327.62	NA	NA	NA
S-6	12/13/1991	150	NA	2.3	<0.5	<0.5	150	NA	NA	327.62	15.11	312.51	NA
S-6	03/11/1992	<30	NA	<0.3	<0.3	<0.5	<0.3	NA	NA	327.62	16.35	311.27	NA
S-6	06/24/1992	170	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	16.51	311.11	NA
S-6	09/17/1992	190	NA	<0.5	1.6	<0.5	1.2	NA	NA	327.62	14.33	313.29	NA
S-6	12/11/1992	180	NA	<0.5	0.8	<0.5	0.7	NA	NA	327.62	14.48	313.14	NA
S-6	02/04/1993	290	NA	<0.5	<0.5	<0.5	0.7	NA	NA	327.62	NA	NA	NA
S-6	06/03/1993	100	NA	1.2	<0.5	<0.5	<0.5	NA	NA	327.62	NA	NA	NA
S-6	09/15/1993	160	NA	1.4	<0.5	0.9	2	NA	NA	327.62	14.16	313.46	NA
S-6	12/09/1993	130	NA	2.3	2.6	5.1	6.2	NA	NA	327.62	14.68	312.94	NA
S-6	03/04/1994	220	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.42	313.20	NA
S-6	06/16/1994	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.92	312.70	NA
S-6	09/13/1994	<50	NA	<0.5	6	<0.5	<0.5	NA	NA	327.62	14.72	312.90	NA
S-6	06/21/1995	270	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	13.86	313.76	NA
S-6	06/12/1996	200	NA	2	<0.5	<0.5	<0.5	12	NA	327.62	13.90	313.72	NA
S-6	06/25/1997	180	NA	<0.50	0.61	<0.50	0.77	28	NA	327.62	13.64	313.98	1.8
S-6 (D)	06/25/1997	130	NA	<0.50	<0.50	<0.50	<0.50	21	NA	327.62	13.64	313.98	1.8
S-6	06/19/1998	100	NA	7.6	<0.50	<0.50	<0.50	27	NA	327.62	13.81	313.81	1.7
S-6	06/17/1999	114	NA	4.14	<0.500	<0.500	<0.500	19.9	NA	327.62	14.21	313.41	1.6
S-6	06/15/2000	367	NA	17.5	<0.500	<0.500	<0.500	1,050	NA	327.62	14.51	313.11	1.8
S-6	11/29/2000	154	NA	0.754	16.4	<0.500	1.05	5,470	NA	327.62	14.32	313.30	2.1
S-6	03/07/2001	183	NA	0.971	25.1	0.636	0.996	6,830	NA	327.62	15.39	312.23	1.7
S-6	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	8,200	327.62	14.72	312.90	NA
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA

WELL CONCENTRATIONS
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Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-7	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/05/1991	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	12/13/1991	<50	NA	<0.6	<0.5	<0.5	<0.5	NA	NA	328.67	17.70	310.97	NA
S-7	03/11/1992	<50	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.67	17.06	311.61	NA
S-7	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.80	310.87	NA
S-7	09/17/1992	<50	NA	0.6	0.6	<0.5	<0.5	NA	NA	328.67	17.00	311.67	NA
S-7	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.35	311.32	NA
S-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.65	312.02	NA
S-7	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA
S-7	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.83	311.84	NA
S-7	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	15.88	312.79	NA
S-7	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.67	16.22	312.45	NA
S-7	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	328.67	16.12	312.55	3
S-7	06/19/1998	<50	NA	<0.50	<.050	<0.50	<0.50	<2.5	NA	328.67	14.81	313.86	2.6
S-7	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	328.67	15.91	312.76	5.1
S-7	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.32	NA	328.67	16.14	312.53	2.0
S-7	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.89	311.78	3.6
S-7	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.55	312.12	2.1
S-7	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.5	328.67	16.30	312.37	NA

S-8	03/20/1991	<50a	NA	0.8	1.8	2.6	5.2	NA	NA	327.00	NA	NA	NA
S-8	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.73	311.27	NA

WELL CONCENTRATIONS
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3790 Hopyard Road
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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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-8	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	327.00	14.64	312.36	NA
S-8	06/24/1992	<50	NA	1.4	1.9	<0.5	<0.5	NA	NA	327.00	15.77	311.23	NA
S-8	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.37	311.63	NA
S-8	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.94	312.06	NA
S-8	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.91	312.09	NA
S-8	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.16	313.08	NA
S-8	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.11	312.89	NA
S-8	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.00	14.20	312.80	NA
S-8	06/25/1997	170	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	14.42	312.58	0.5
S-8	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	13.49	313.51	2.2
S-8	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.00	14.07	312.93	0.9
S-8	06/15/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	06/21/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	21.0	NA	327.00	14.43	312.57	NA
S-8	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	9.46	NA	327.00	14.44	312.56	2.2
S-8	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.21	NA	327.00	13.69	313.31	2.1
S-8	06/18/2001	<50	NA	0.55	0.92	<0.50	0.51	NA	13	327.00	14.60	312.40	NA

S-9	03/20/1991	70a	NA	0.7	0.7	<0.5	1	NA	NA	328.24	NA	NA	NA
S-9	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	09/05/1991	<50	NA	<0.5	0.8	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.18	310.06	NA
S-9	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.24	17.37	310.87	NA
S-9	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.45	309.79	NA

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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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-9	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.88	310.36	NA
S-9	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.34	310.90	NA
S-9	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.42	310.82	NA
S-9	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	16.89	311.35	NA
S-9	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.22	311.02	NA
S-9	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.46	310.78	NA
S-9	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.59	310.65	NA
S-9	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.03	311.21	NA
S-9	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.24	16.76	311.48	NA
S-9	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	328.24	16.89	311.35	1
S-9	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	7.1	NA	328.24	15.59	312.65	3.8
S-9	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	15.3	NA	328.24	16.47	311.77	1.9
S-9	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	57.2	NA	328.24	16.11	312.13	1.1
S-9	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	76.5	NA	328.24	17.30	310.94	1.1
S-9	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	84.9	NA	328.24	19.42	308.82	1.1
S-9	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	86	328.24	17.22	311.02	NA

S-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/26/1991	50	NA	1.8	5.8	1.9	13	NA	NA	326.55	NA	NA	NA
S-10	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.77	311.78	NA
S-10	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	326.55	14.16	312.39	NA
S-10	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.83	311.72	NA
S-10	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.85	312.70	NA

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S-10	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.90	312.65	NA
S-10	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.66	312.89	NA
S-10	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA
S-10	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.84	312.71	NA
S-10	06/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.08	313.47	NA
S-10	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	326.55	13.34	313.21	NA
S-10	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	326.55	13.28	313.27	2.4
S-10	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.55	12.41	314.14	1.8
S-10	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	326.55	12.81	313.74	2.0
S-10	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.27	313.28	2.1
S-10	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.98	312.57	2.4
S-10	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.40	313.15	2.5
S-10	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	3.7	326.55	13.29	313.26	NA
SR-1	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.34	313.44	NA
SR-1	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.72	313.06	NA
SR-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.39	313.96	NA
SR-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.48	313.87	NA
SR-3	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.66	314.45	NA
SR-3	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.96	314.15	NA

WELL CONCENTRATIONS
Shell-branded Service Station
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Pleasanton, CA
Wic #204-6138-0501

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)	TOB (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA method 8015.

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA method 8020.

MTBE = methyl-tertiary-butyl ether

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ppm = parts per million

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

Notes:

a = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern

b = This sample was analyzed outside of the EPA recommended holding time.



Report Number : 20897

Date : 7/3/2001

Nick Sudano
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 9 Water Samples
Project Name : 3790 Hopyard Road, Pleasanton
Project Number : 010618-J2
P.O. Number : 98995842

Dear Mr. Sudano,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large, looped "J" and "K".

Joel Kiff



Report Number : 20897

Date : 7/3/2001

Project Name : 3790 Hopyard Road, Pleasanton

Project Number : 010618-J2

Sample : S-2

Matrix : Water

Lab Number : 20897-01

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 20	20	ug/L	EPA 8260B	6/28/2001
Toluene	< 20	20	ug/L	EPA 8260B	6/28/2001
Ethylbenzene	< 20	20	ug/L	EPA 8260B	6/28/2001
Total Xylenes	< 20	20	ug/L	EPA 8260B	6/28/2001
Methyl-t-butyl ether (MTBE)	7100	20	ug/L	EPA 8260B	6/28/2001
TPH as Gasoline	< 2000	2000	ug/L	EPA 8260B	6/28/2001
Toluene - d8 (Surr)	95.7		% Recovery	EPA 8260B	6/28/2001
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	6/28/2001

Sample : S-3

Matrix : Water

Lab Number : 20897-02

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.66	0.50	ug/L	EPA 8260B	6/28/2001
Toluene	1.1	0.50	ug/L	EPA 8260B	6/28/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
Total Xylenes	0.51	0.50	ug/L	EPA 8260B	6/28/2001
Methyl-t-butyl ether (MTBE)	0.66	0.50	ug/L	EPA 8260B	6/28/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/28/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/28/2001
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	6/28/2001

Approved By:  Joel Kiff



Report Number : 20897

Date : 7/3/2001

Project Name : 3790 Hopyard Road, Pleasanton

Project Number : 010618-J2

Sample : S-4

Matrix : Water

Lab Number : 20897-03

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 10	10	ug/L	EPA 8260B	6/29/2001
Toluene	< 10	10	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 10	10	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 10	10	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	3500	10	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 1000	1000	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	95.4		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	6/29/2001

Sample : S-5

Matrix : Water

Lab Number : 20897-04

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	11	0.50	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	95.3		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	6/29/2001

Approved By:  Joel Kiff



Report Number : 20897

Date : 7/3/2001

Project Name : 3790 Hopyard Road, Pleasanton

Project Number : 010618-J2

Sample : S-6

Matrix : Water

Lab Number : 20897-05

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 20	20	ug/L	EPA 8260B	6/29/2001
Toluene	< 20	20	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 20	20	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 20	20	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	8200	20	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 2000	2000	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	95.7		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	6/29/2001

Sample : S-7

Matrix : Water

Lab Number : 20897-06

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	2.5	0.50	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	112		% Recovery	EPA 8260B	6/29/2001

Approved By:  Joel Kiff



Report Number : 20897

Date : 7/3/2001

Project Name : 3790 Hopyard Road, Pleasanton

Project Number : 010618-J2

Sample : S-8

Matrix : Water

Lab Number : 20897-07

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.55	0.50	ug/L	EPA 8260B	6/29/2001
Toluene	0.92	0.50	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Total Xylenes	0.51	0.50	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	13	0.50	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	110		% Recovery	EPA 8260B	6/29/2001

Sample : S-9

Matrix : Water

Lab Number : 20897-08

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	86	0.50	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	94.6		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/29/2001

Approved By:  Joel Kiff



Report Number : 20897

Date : 7/3/2001

Project Name : 3790 Hopyard Road, Pleasanton

Project Number : 010618-J2

Sample : S-10

Matrix : Water

Lab Number : 20897-09

Sample Date :6/18/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/29/2001
Methyl-t-butyl ether (MTBE)	3.7	0.50	ug/L	EPA 8260B	6/29/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/29/2001
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	6/29/2001
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/29/2001

Approved By:  Joel Kiff

Report Number : 20897


Date : 7/3/2001

Project Name : **3790 Hopyard Road,**

Project Number : **010618-J2**

20897 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/28/2001
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/28/2001
Toluene - d8 (Surr)	95.8		% Recovery	EPA 8260B	6/28/2001
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	6/28/2001

Approved By:  Joel Kiff

Report Number : 20897

Date : 7/3/2001

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **3790 Hopyard Road,**

Project Number : **010618-J2**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	20897-09	<0.50	19.6	19.7	17.7	17.4	ug/L	EPA 8260B	6/28/2001	190.0	88.4	1.85	70-130	25
Toluene	20897-09	<0.50	19.6	19.7	18.0	17.5	ug/L	EPA 8260B	6/28/2001	191.4	89.1	2.49	70-130	25
Tert-Butanol	20897-09	<5.0	98.2	98.3	84.7	82.1	ug/L	EPA 8260B	6/28/2001	186.3	83.5	3.24	70-130	25
Methyl-t-Butyl Ether	20897-09	3.7	19.6	19.7	23.8	22.4	ug/L	EPA 8260B	6/28/2001	1103	95.4	7.30	70-130	25

Approved By:  _____
Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 20897

Date : 7/3/2001

QC Report : Laboratory Control Sample (LCS)

Project Name : 3790 Hopyard Road,

Project Number : 010618-J2

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	19.9	ug/L	EPA 8260B	6/28/2001	89.8	70-130
Toluene	19.9	ug/L	EPA 8260B	6/28/2001	90.4	70-130
Tert-Butanol	99.3	ug/L	EPA 8260B	6/28/2001	91.5	70-130
Methyl-t-Butyl Ether	19.9	ug/L	EPA 8260B	6/28/2001	99.8	70-130

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:  Joel Kiff

WELL GAUGING DATA

Project # 010618-JL Date 6-16-01 Client Equival

Site 379D Hayward Rd. Pleasanton, CA.

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-2	3	removed stringer to gauge				14.56	35.05	TOB	7'	
S-3	3					13.74	35.10		5'	
S-4	3					13.81	34.99		8'	
S-5	3					15.50	35.87		6'	
S-6	3					14.72	34.71		9'	
S-7	3					16.20	34.87		4'	
S-8	3					14.60	34.44		3'	
S-9	3					17.22	34.99		1'	
S-10	3					13.29	34.25		2'	

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010618-32</u>	Site: <u>3790 Hayward Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>S-2</u>	Well Diameter: <u>3</u> 4 6 8
Total Well Depth: <u>35.05</u>	Depth to Water: <u>14.56</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

$\frac{7.6 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{22.8 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:02	81.8	7.4	1164	129	8	
12:24	73.2	7.1	2397	192	16	
12:25	72.5	7.4	2453	>200	23	
* Removed Stringer to purge & sample						

Did well dewater? Yes No Gallons actually evacuated: 23

Sampling Time: 1240 Sampling Date: 6-18-01

Sample I.D.: S-2 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010618-32</u>	Site: <u>3790 Hopyard Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>5-2</u>	Well Diameter: 2 <u>3</u> 4 6 8 _____
Total Well Depth: <u>25.10</u>	Depth to Water: <u>12.74</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible

Wattera Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other: _____

<u>7.5</u> (Gals.) X <u>3</u> = <u>22.7</u> Gals.	
I Case Volume	Specified Volumes
Calculated Volume	

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1125</u>	<u>78.5</u>	<u>7.2</u>	<u>2970</u>	<u>153</u>	<u>8</u>	
<u>1130</u>	<u>76.9</u>	<u>7.0</u> 6.8	<u>2872</u>	<u>>200</u>	<u>16</u>	
<u>1132</u>	<u>73.8</u>	<u>7.1</u>	<u>2783</u>	<u>>200</u>	<u>24</u>	

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 1135 Sampling Date: 6-18-01

Sample I.D.: 5-2 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010618-52</u>	Site: <u>3790 Hopyard Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>5-4</u>	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: <u>34.99</u>	Depth to Water: <u>12.81</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible

Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other: _____

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

~~7.8~~ ^{7.8} (Gals.) X 3 = 23.4 Gals.

Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1252</u>	<u>71.2</u>	<u>7.9</u>	<u>1848</u>	<u>175</u>	<u>8</u>	
<u>1254</u>	<u>72.5</u>	<u>7.4</u>	<u>1868</u>	<u>>200</u>	<u>16</u>	
<u>1256</u>	<u>72.5</u>	<u>7.3</u>	<u>1900</u>	<u>>200</u>	<u>24</u>	

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 1300 Sampling Date: 6-18-01

Sample I.D.: 5-4 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

3TS #: <u>010618-52</u>	Site: <u>3790 Hopyard Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>5-5</u>	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: <u>55.87</u>	Depth to Water: <u>15.50</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

$7.6 \text{ (Gals.)} \times 3 = 22.6 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														
Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1142	77.6	7.7	2386	>200	7.5	
1143	78.6	7.4	1562	>200	15.0	
1145	77.9	7.3	1338	>200	23	

Did well dewater? Yes NO Gallons actually evacuated: 23

Sampling Time: 1150 Sampling Date: 6-18-01

Sample I.D.: 5-5 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010618-52	Site: 3790 Hopyard Rd.
Sampler: JIC	Date: 6-18-01
Well I.D.: 5-6	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 24.71	Depth to Water: 14.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible

Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing

Other: _____

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

$$7.4 \text{ (Gals.)} \times 3 = 22.2 \text{ Gals.}$$

I Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1041	76.9	7.4	2281	>200	7.5	
1042	70.0	7.4	1785	>200	15	
1043	69.9	7.2	1795	>200	23	

Did well dewater? Yes No Gallons actually evacuated: 23

Sampling Time: 1045 Sampling Date: 6-14-01

Sample I.D.: 5-6 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010618-J2</u>	Site: <u>3790 Hopwood Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>5-8</u>	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: <u>24.44</u>	Depth to Water: <u>14.60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

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

7.3 (Gals.) X 3 = 21.9 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1112</u>	<u>72.5</u>	<u>7.1</u>	<u>3300</u>	<u>>200</u>	<u>8</u>	
<u>1113</u>	<u>74.7</u>	<u>6.9</u>	<u>3322</u>	<u>>200</u>	<u>16</u>	
<u>1114</u>	<u>74.7</u>	<u>7.0</u>	<u>3474</u>	<u>>200</u>	<u>22</u>	

Did well dewater? Yes No Gallons actually evacuated: 22

Sampling Time: 1120 Sampling Date: 6-18-01

Sample I.D.: 5-8 Laboratory: Kiff Sequoia Other _____

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

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

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>010618-J2</u>	Site: <u>3790 Hopyard Rd.</u>
Sampler: <u>JIC</u>	Date: <u>6-18-01</u>
Well I.D.: <u>5-9</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>34.99</u>	Depth to Water: <u>17.22</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>(Grade)</u>	D.O. Meter (if req'd): YSI HACH

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

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

6.6 (Gals.) X 3 = 19.8 Gals.
 I Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1007</u>	<u>71.5</u>	<u>7.6</u>	<u>3046</u>	<u>21</u>	<u>7</u>	
<u>1008</u>	<u>70.6</u>	<u>6.8</u>	<u>3426</u>	<u>59</u>	<u>14</u>	
<u>1009</u>	<u>71.7</u>	<u>7.1</u>	<u>3511</u>	<u>92</u>	<u>20</u>	

Did well dewater? Yes (No) Gallons actually evacuated: 26

Sampling Time: 1010 Sampling Date: _____
 Sample I.D.: 5-9 Laboratory: (Kiff) Sequoia Other _____

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: _____
 EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____				
D.O. (if req'd): Pre-purge:		mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:		mV	Post-purge:	mV

EQUIVA WELL MONITORING DATA SHEET

(9)

BTS #: <u>010618-32</u>	Site: <u>3790 Hopyard Rd.</u>
Sampler: <u>JIK</u>	Date: <u>6-18-01</u>
Well I.D.: <u>34.25 5-10</u>	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: <u>34.25</u>	Depth to Water: <u>13.29</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC <u>Grade</u>	D.O. Meter (if req'd): YSI HACH

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

$\underline{7.8} \text{ (Gals.)} \times \underline{3} = \underline{23.4} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														
1 Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>1058</u>	<u>79.5</u>	<u>7.4</u>	<u>1795</u>	<u>>200</u>	<u>8</u>	
<u>1059</u>	<u>78.6</u>	<u>7.4</u>	<u>1228</u>	<u>>200</u>	<u>16</u>	
<u>1100</u>	<u>71.5</u>	<u>7.2</u>	<u>1350</u>	<u>>200</u>	<u>24</u>	

Did well dewater? Yes No Gallons actually evacuated: 24

Sampling Time: 1105 Sampling Date: 6-18-01

Sample I.D.: 5-10 Laboratory: Kiff Sequoia Other _____

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

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

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

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