RO 363

CAMBRIA

Alameda County

OCT 01 2002

Environmental Health

September 25, 2002

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

Re: **Second Quarter 2002 Monitoring Report**
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842
Cambria Project #244-0497-002

Dear Mr. Seery:

This groundwater monitoring report is being submitted on behalf of Equilon Enterprises LLC dba Shell Oil Products US by Cambria Environmental Technology, Inc. (Cambria) in accordance with the reporting requirements of 23 CCR 2652d. The site is located on the corner of Hopyard Road and Las Positas Boulevard in Pleasanton, California (Figures 1 and 2).

REMEDIATION SUMMARY

Groundwater Extraction (GWE): Beginning the week of May 14, 2001, Advanced Cleanup Technologies Inc. of Benicia, California conducted three weekly 8-hour mobile GWE events using wells S-2, S-4 and T-2. Three additional GWE events were performed in August 2001. At Shell's direction, **Onyx Industrial Service initiated twice-monthly events extracting from tank backfill well T-2 beginning in April 2002.** 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. Figure 3 shows methyl tertiary butyl ether (MTBE) concentrations and mass removal estimates over time for well S-4. Figure 4 shows MTBE concentrations and mass removal estimates over time for well T-2. To date, **approximately 7.28 pounds of MTBE have removed by GWE.** Due to tank and product piping upgrades being conducted at the site, the wells were inaccessible for extraction during the scheduled events on July 24, 2002 and August 12, 2002.

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

SECOND QUARTER 2002 ACTIVITIES

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

COMPLETED THIRD QUARTER 2002 ACTIVITIES

Subsurface Investigation Status: As proposed in our June 12, 2002 *Subsurface Investigation Work Plan* and the addendum transmitted via electronic mail to Scott Seery of the Alameda County Health Care Services Agency (ACHCSA) on July 22, 2002, Cambria installed one onsite cone penetrometer testing (CPT) boring near well S-3 on July 26, 2002. Cambria also installed downgradient monitoring well S-11 within Hopyard Road east of the site on August 26, 2002. Proposed downgradient monitoring well S-12 is scheduled to be installed on September 19, 2002. Based on the CPT boring installed onsite, Cambria is currently preparing a proposal for deep well installation at the site.

Interim Remediation Work Plan: On August 28, 2002, Cambria submitted an *Interim Remediation Work Plan* proposing the installation of a fixed GWE system at the site. Cambria has begun final system design and permitting of the system while awaiting ACHCSA approval of the work plan.

ANTICIPATED THIRD QUARTER 2002 ACTIVITIES

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

Interim Remediation: Mobile GWE events will continue as described above. Due to low extraction volumes from monitoring well S-4, groundwater will be extracted from tank backfill wells T-2 and T-4 only during future events. Final design and permitting of the proposed fixed GWE system is in progress.

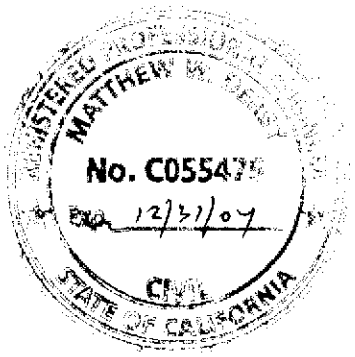
CLOSING

We appreciate the opportunity to work with you on this project. Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Jacquelyn L. Jones
Project Geologist

Matthew W. Derby, P.E.
Senior Project Engineer



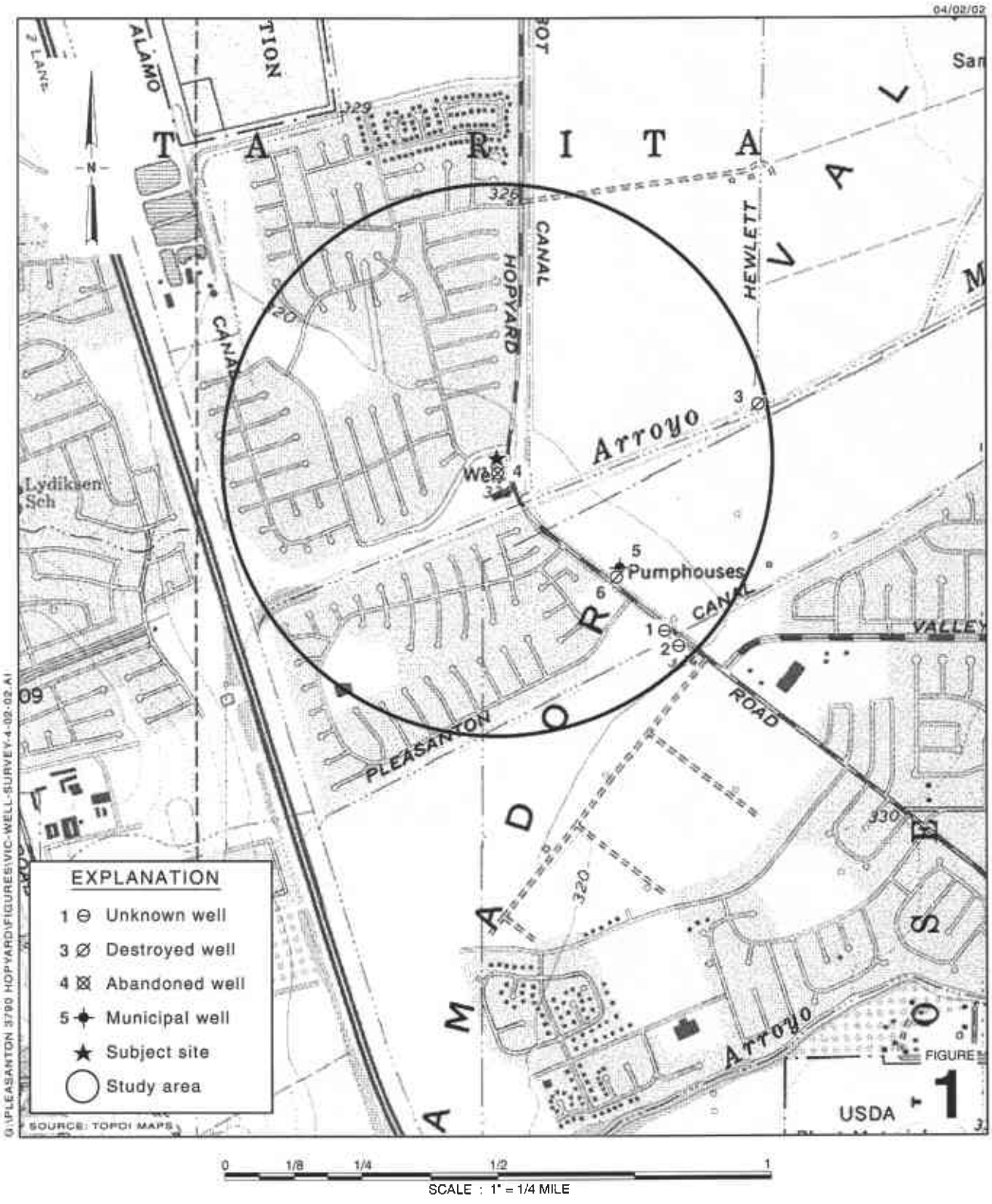
Figures: 1 - Vicinity/Area Well Survey Map
2 - Groundwater Elevation Contour Map
3 - MTBE and Mass Removal – Well S-4
4 - MTBE and Mass Removal – Well T-2

Table: 1 - Groundwater Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
Chuck Headlee, RWQCB, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Ted Klenk, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, CA 94566
Matthew W. Katen, Zone 7 Water Agency, 5997 Parkside Drive, Pleasanton, CA 94588-5127
Tri-Valley Management, 3730 Hopyard Road, Pleasanton CA 94588
Victor Arcayena, Colliers International, 1850 Mt. Diablo Blvd, Suite 200, Walnut Creek, CA 94596

G:\Pleasanton 3790 Hopyard\QM\2q02\2q02qm.doc

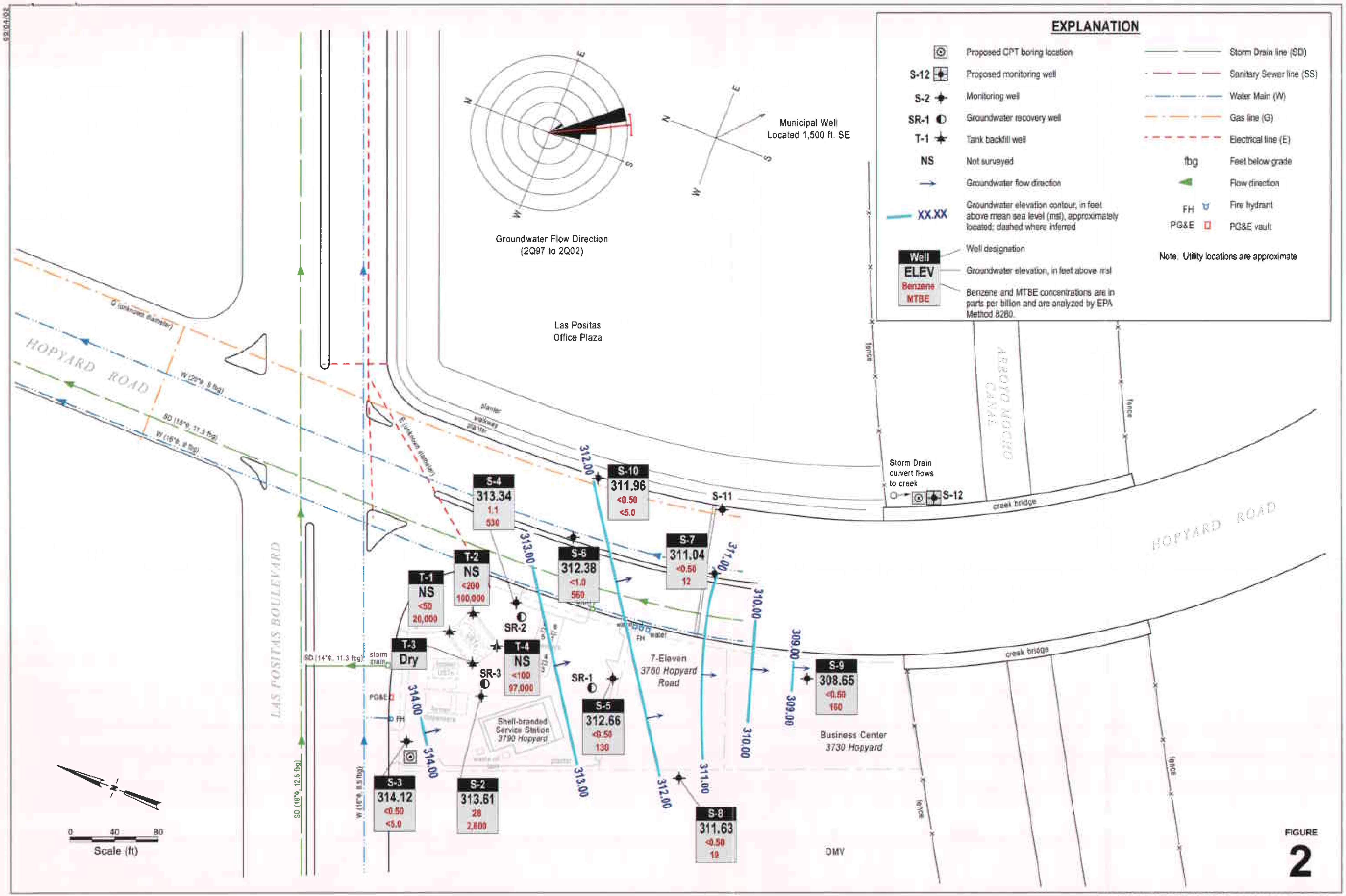


Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842

CAMBRIA

Vicinity/Area Well Survey Map

1/2 Mile Radius


EXPLANATION
Proposed CPT boring location
S-12 Proposed monitoring well
S-2 Monitoring well
SR-1 Groundwater recovery well
T-1 Tank backfill well
NS Not surveyed
Groundwater flow direction
XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred
Well ELEV Benzene MTBE
Well designation
Groundwater elevation, in feet above msl
Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.
Storm Drain line (SD)
Sanitary Sewer line (SS)
Water Main (W)
Gas line (G)
Electrical line (E)
fbg Feet below grade
Flow direction
FH Fire hydrant
PG&E PG&E vault
Note: Utility locations are approximate
Groundwater Flow Direction
(2Q97 to 2Q02)
Municipal Well
Located 1,500 ft. SE
Las Positas
Office Plaza
HOPYARD ROAD
LAS POSITAS BOULEVARD
ARROYO MOCHO CANAL
Storm Drain culvert flows to creek
creek bridge
fence
7-Eleven
3760 Hopyard Road
Shell-branded Service Station
3790 Hopyard
Business Center
3730 Hopyard
DMV
S-4 313.34 1.1 530
S-10 311.96 <0.50 <5.0
S-11
S-12
S-7 311.04 <0.50 12
S-6 312.38 <1.0 560
T-2 NS <200 100,000
T-1 NS <50 20,000
T-3 Dry
T-4 NS <100 97,000
SR-1
SR-2
SR-3
S-5 312.66 <0.50 130
S-9 308.65 <0.50 160
S-3 314.12 <0.50 <5.0
S-2 313.61 28 2,800
S-8 311.63 <0.50 19
314.00
313.00
312.00
311.00
310.00
309.00
G (unknown diameter)
W (20"Φ, 9 fbg)
SD (15"Φ, 11.5 fbg)
W (16"Φ, 9 fbg)
E (unknown diameter)
SD (14"Φ, 11.3 fbg)
SD (18"Φ, 12.5 fbg)
W (16"Φ, 8.5 fbg)
Scale (ft)
0 40 80

Groundwater Elevation Contour Map

June 18, 2002

CAMBRIA

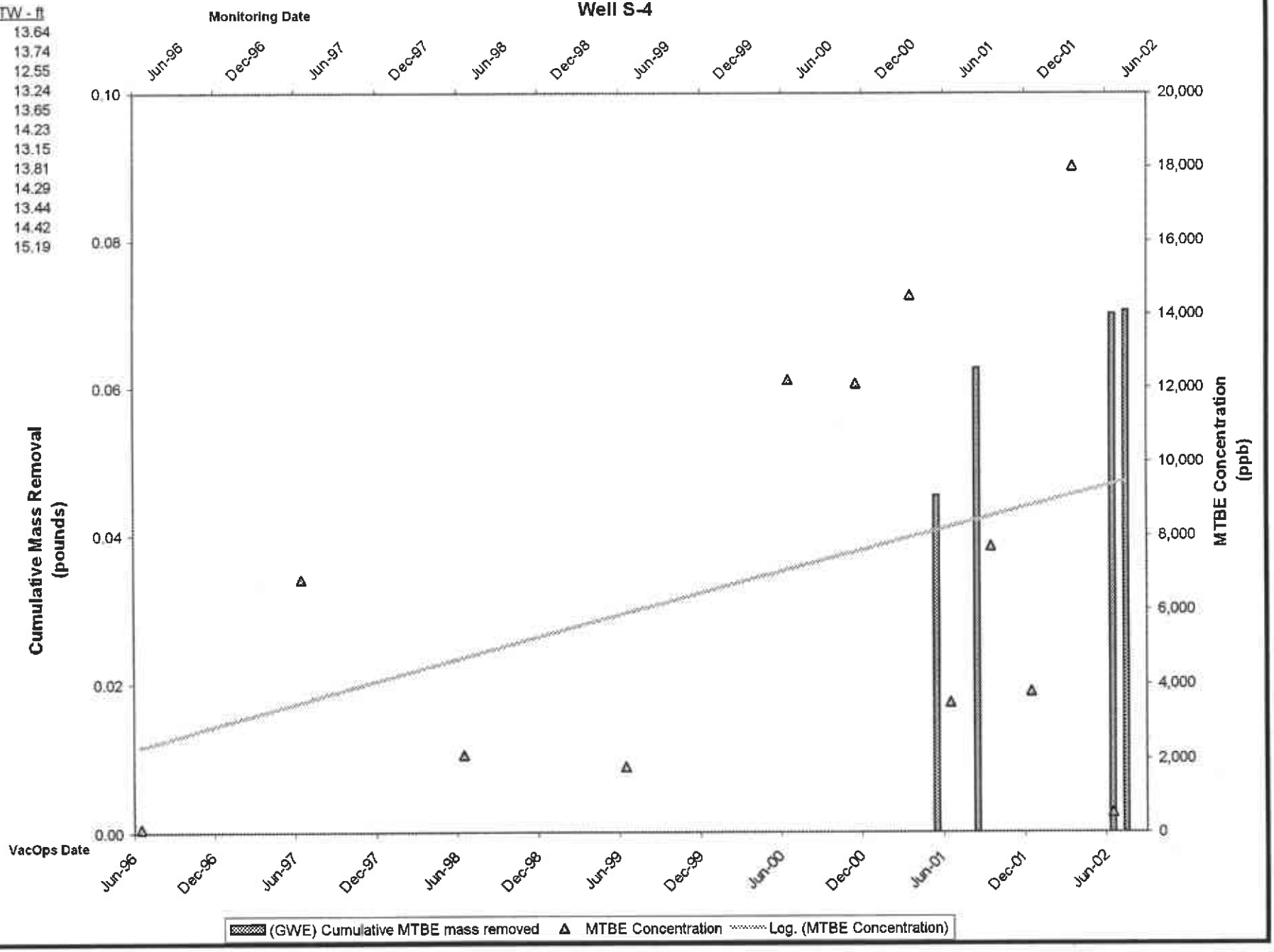
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842

FIGURE
2

G:\PLEASANTON3790HOPYARD\FIGURES\SITEPLAN-7-02.AI

Figure 3
MTBE and Mass Removal
Well S-4

Date	DTW - ft
06/12/96	13.64
06/25/97	13.74
06/19/98	12.55
06/17/99	13.24
06/15/00	13.65
11/29/00	14.23
03/07/01	13.15
06/18/01	13.81
09/17/01	14.29
12/31/01	13.44
03/13/02	14.42
06/18/02	15.19

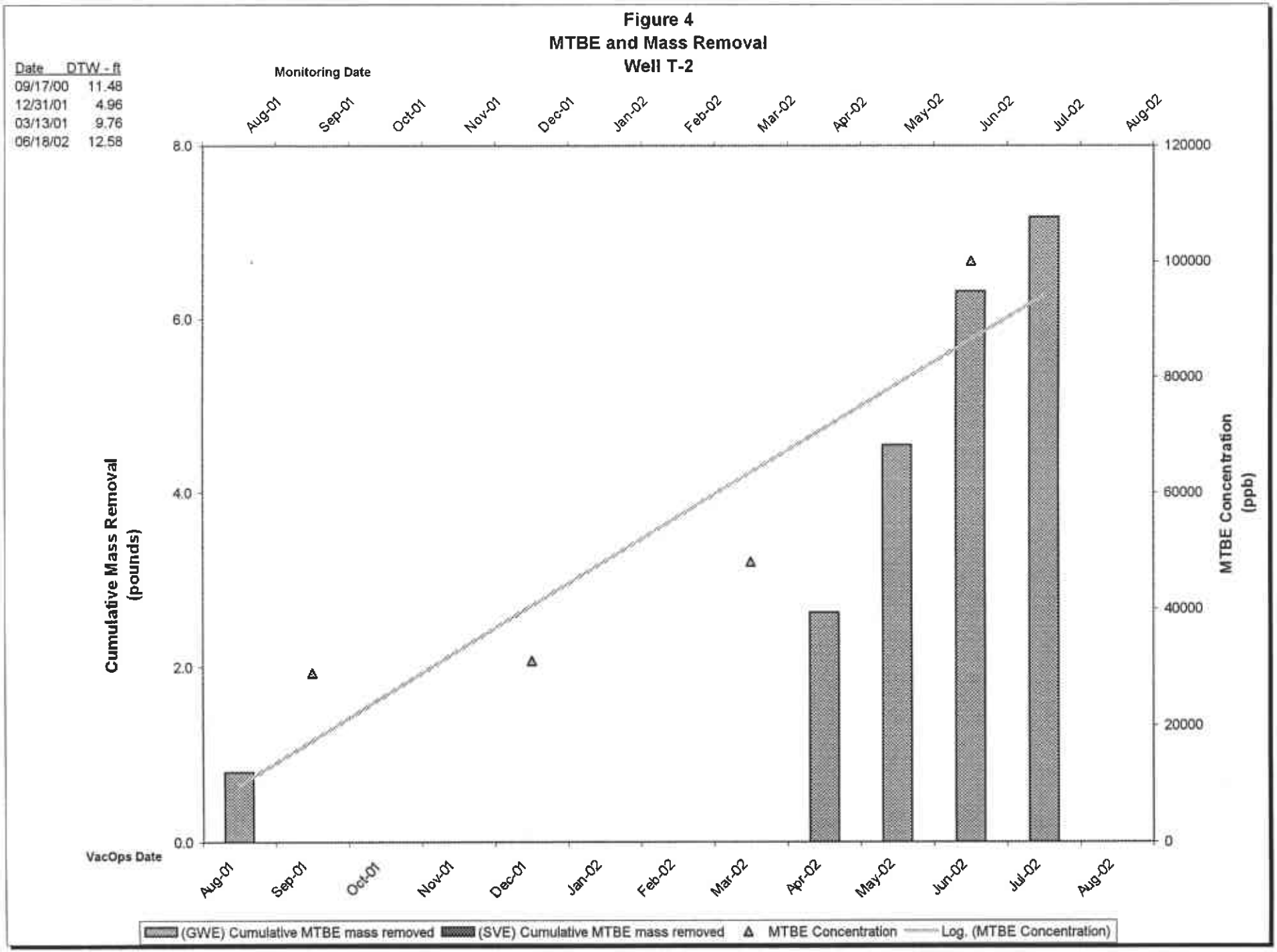


3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 Hopyard\Vac Ops\MTBE Graphs\2q02 - 3790 Pleasanton MTBE graph

Figure 4
MTBE and Mass Removal
Well T-2

Date	DTW - ft
09/17/00	11.48
12/31/01	4.96
03/13/01	9.76
06/18/02	12.58

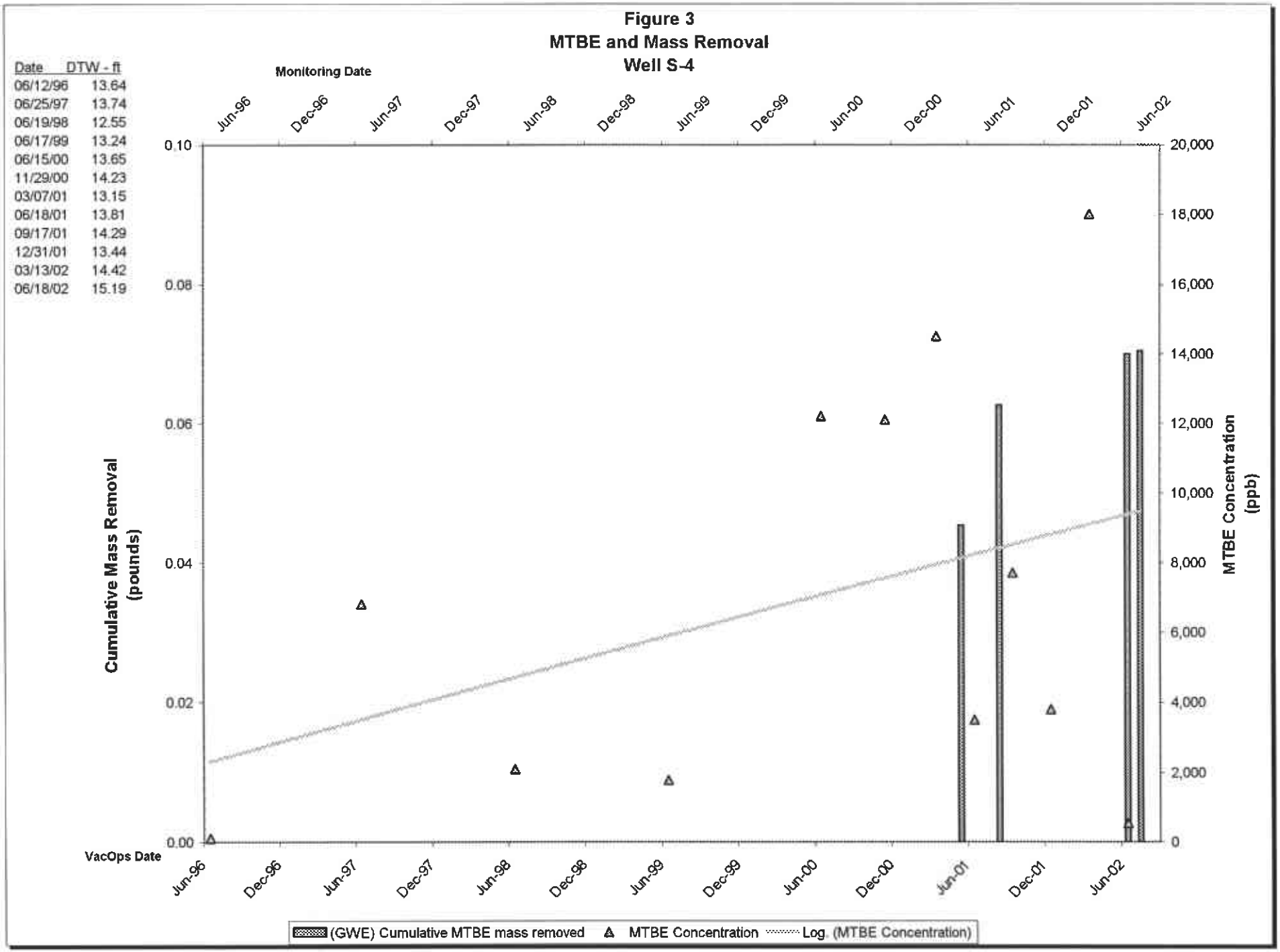


3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 HopyardVac Ops\MTBE Graphs\2q02 - 3790 Pleasanton MTBE graph

Figure 3
MTBE and Mass Removal
Well S-4

Date	DTW - ft
06/12/96	13.64
06/25/97	13.74
06/19/98	12.55
06/17/99	13.24
06/15/00	13.65
11/29/00	14.23
03/07/01	13.15
06/18/01	13.81
09/17/01	14.29
12/31/01	13.44
03/13/02	14.42
06/18/02	15.19

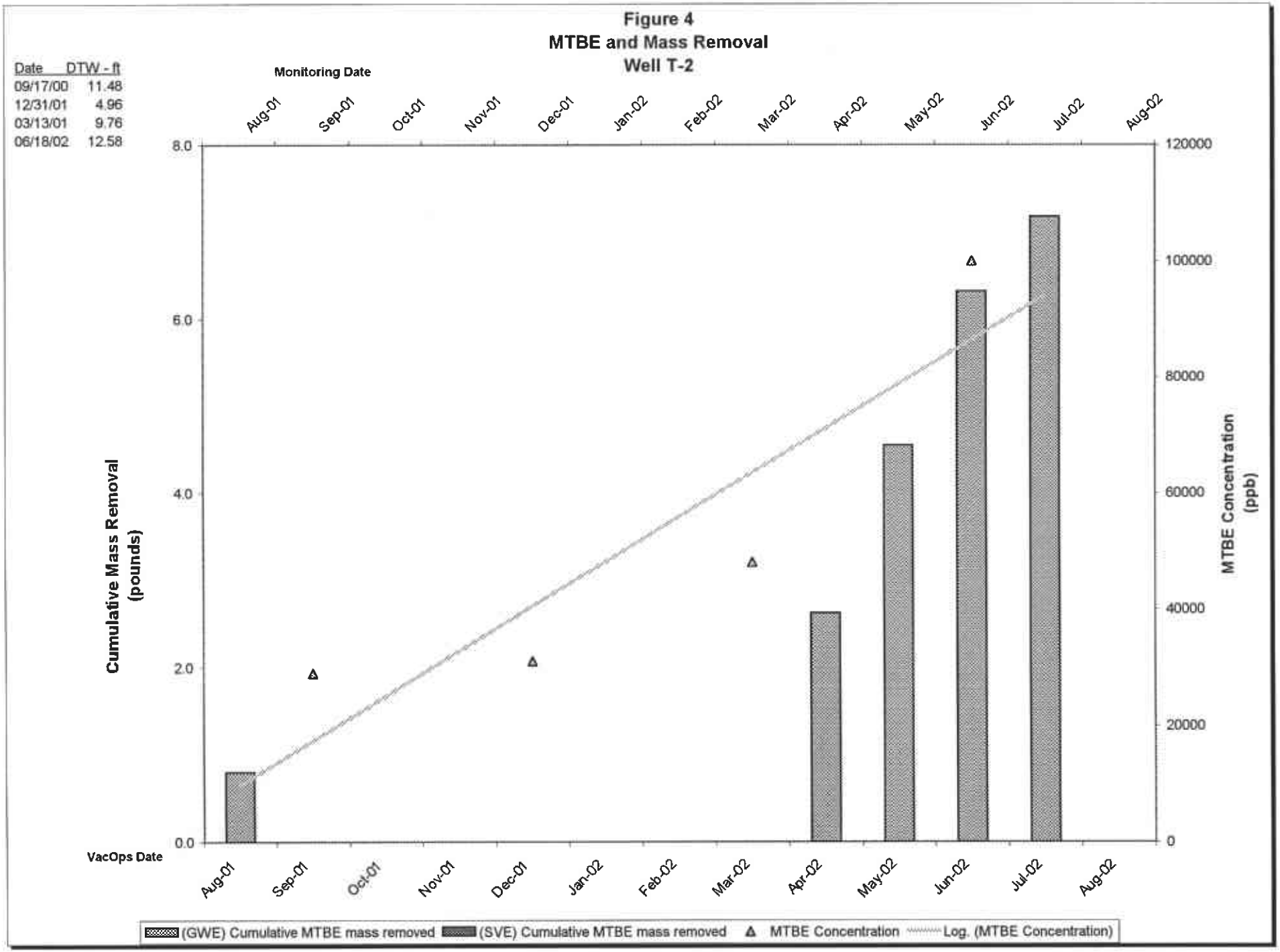


3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 HopyardVac Ops\MTBE Graphs\2q02 - 3790 Pleasanton MTBE graph

Figure 4
MTBE and Mass Removal
Well T-2

Date	DTW - ft
09/17/00	11.48
12/31/01	4.96
03/13/01	9.76
06/18/02	12.58



3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 HopyardVac Ops\MTBE Graphs\2q02 - 3790 Pleasanton MTBE graph

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, 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)
05/17/01	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
08/08/01	S-2	50	245	06/18/01	<2,000	0.00042	0.00082	<20	0.00000	0.00003	**7,100**	0.00296	0.01697
08/17/01	S-2	20	265	06/18/01	<2,000	0.00017	0.00099	<20	0.00000	0.00003	**7,100**	0.00118	0.01816
08/31/01	S-2	250	515	06/18/01	<2,000	0.00209	0.00308	<20	0.00002	0.00005	**7,100**	0.01481	0.03297
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
08/08/01	S-4	50	425	06/18/01	<1,000	0.00021	0.00099	<10	0.00000	0.00002	**3,500**	0.00146	0.04683
08/17/01	S-4	40	465	06/18/01	<1,000	0.00017	0.00116	<10	0.00000	0.00002	**3,500**	0.00117	0.04800
08/31/01	S-4	500	965	06/18/01	<1,000	0.00209	0.00324	<10	0.00002	0.00004	**3,500**	0.01460	0.06260
06/26/02	S-4	1,669	2,634	06/18/02	<100	0.00070	0.00394	1.1	0.00001	0.00005	**530**	0.00738	0.06998
07/10/02	S-4	100	2,734	06/18/02	<100	0.00004	0.00398	1.1	0.00000	0.00005	**530**	0.00044	0.07043
07/24/02	S-4	0	2,734	06/18/02	<100	0.00000	0.00398	1.1	0.00000	0.00005	**530**	0.00000	0.07043
08/12/02	S-4	0	2,734	06/18/02	<100	0.00000	0.00398	1.1	0.00000	0.00005	**530**	0.00000	0.07043
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
08/08/01	T-2	1,300	3,600	09/17/01	<5,000	0.02712	0.02712	<25	0.00014	0.00014	**29,000**	0.31458	0.31458
08/17/01	T-2	10	3,610	09/17/01	<5,000	0.00021	0.02733	<25	0.00000	0.00014	**29,000**	0.00242	0.31700
08/31/01	T-2	2,000	5,610	09/17/01	<5,000	0.04172	0.06905	<25	0.00021	0.00035	**29,000**	0.48397	0.80097
04/11/02	T-2	2,465	8,075	03/13/02	<5,000	0.05142	0.12047	<50	0.00051	0.00086	**48,000**	0.98730	1.78828
04/24/02	T-2	2,074	10,149	03/13/02	<5,000	0.04327	0.16374	<50	0.00043	0.00129	**48,000**	0.83070	2.61898
05/15/02	T-2	2,410	12,559	03/13/02	<5,000	0.05027	0.21401	<50	0.00050	0.00179	**48,000**	0.96528	3.58425
05/29/02	T-2	2,408	14,967	03/13/02	<5,000	0.05023	0.26424	<50	0.00050	0.00230	**48,000**	0.96447	4.54873
06/12/02	T-2	2,338	17,305	03/13/02	<5,000	0.04877	0.31302	<50	0.00049	0.00278	**48,000**	0.93644	5.48516

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, 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)
06/26/02	T-2	1,000	18,305	06/18/02	<20,000	0.08344	0.39646	<200	0.00083	0.00362	**100,000**	0.83444	6.31960
07/10/02	T-2	1,025	19,330	06/18/02	<20,000	0.08553	0.48199	<200	0.00086	0.00447	**100,000**	0.85530	7.17489
07/24/02	T-2	0	19,330	06/18/02	<20,000	0.00000	0.48199	<200	0.00000	0.00447	**100,000**	0.00000	7.17489
08/12/02	T-2	0	19,330	06/18/02	<20,000	0.00000	0.48199	<200	0.00000	0.00447	**100,000**	0.00000	7.17489
Total Gallons Extracted:			**22,579**		**Total Pounds Removed:**		**0.48905**			**0.00458**			**7.27829**
					Total Gallons Removed:		**0.08017**			**0.00063**			**1.17392**

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
ppb = Parts per billion
gal = Gallon
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
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 15, 2002

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2002 Groundwater Monitoring at
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Monitoring performed on June 18, 2002

Groundwater Monitoring Report **020618-EM-1**

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, 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. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/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
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-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-2	09/17/2001	<2,000	NA	<10	<10	<10	<10	NA	7,500	329.21	15.18	314.03	NA
S-2	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	329.21	13.19	316.02	NA
S-2	03/13/2002	<1,000	NA	65	<10	13	<10	NA	6,500	329.21	15.03	314.18	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-2	**06/18/2002**	**520**	**NA**	**28**	**<5.0**	**<5.0**	**<5.0**	**NA**	**2,800**	**329.21**	**15.60**	**313.61**	**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
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-3	09/17/2001	<50	NA	0.73	0.96	<0.50	0.61	NA	<5.0	327.67	13.25	314.42	NA
S-3	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	12.38	315.29	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-3	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	13.16	314.51	NA
S-3	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**327.67**	**13.55**	**314.12**	**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
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

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	06/19/1998	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
S-4	09/17/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	7,700	328.53	14.29	314.24	NA
S-4	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	328.53	13.44	315.09	NA
S-4	03/13/2002	<2,500	NA	<25	<25	<25	<25	NA	18,000	328.53	14.42	314.11	NA
S-4	**06/18/2002**	**<100**	**NA**	**1.1**	**<1.0**	**<1.0**	**<1.0**	**NA**	**530**	**328.53**	**15.19**	**313.34**	**NA**
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

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	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-5	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	17	329.66	16.35	313.31	NA
S-5	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	329.66	12.80	316.86	NA
S-5	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	93	329.66	16.32	313.34	NA
S-5	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**130**	**329.66**	**17.00**	**312.66**	**NA**
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	327.62	NA	NA	NA
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

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	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-6	09/17/2001 c	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	327.62	16.69	310.93	NA
S-6	12/31/2001	260	NA	<0.50	<0.50	<0.50	<0.50	NA	11,000	327.62	13.99	313.63	NA
S-6	03/13/2002	440	NA	<2.5	<2.5	<2.5	<2.5	NA	930	327.62	15.10	312.52	NA
S-6	**06/18/2002**	**340**	**NA**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**560**	**327.62**	**15.24**	**312.38**	**NA**
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
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

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-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-7	09/17/2001 c	150	NA	<0.50	55	<0.50	<0.50	NA	8,300	328.67	14.23	314.44	NA
S-7	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	328.67	16.28	312.39	NA
S-7	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.9	328.67	17.41	311.26	NA
S-7	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**12**	**328.67**	**17.63**	**311.04**	**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
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

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-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-8	09/17/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	15.07	311.93	NA
S-8	09/18/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	12/31/2001	<50	NA	1.1	1.4	<0.50	<0.50	NA	8.4	327.00	14.02	312.98	NA
S-8	03/13/2002	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	14.92	312.08	NA
S-8	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**19**	**327.00**	**15.37**	**311.63**	**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

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-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
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-9	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.66	310.58	NA
S-9	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	328.24	17.65	310.59	NA
S-9	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.75	310.49	NA
S-9	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**160**	**328.24**	**19.59**	**308.65**	**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-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
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
S-10	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.61	312.94	NA
S-10	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.48	313.07	NA
S-10	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	14.66	311.89	NA
S-10	**06/18/2002**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**326.55**	**14.59**	**311.96**	**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)
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-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.78	15.31	314.47	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-2	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	328.35	13.62	314.73	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
SR-3	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.11	13.60	315.51	NA
T-1	**06/18/2002**	**<5,000**	**NA**	**<50**	**<50**	**<50**	**<50**	**NA**	**20,000**	**NA**	**12.31**	**NA**	**NA**
T-2	09/17/2001	<5,000	NA	<25	<25	<25	<25	NA	29,000	NA	11.48	NA	NA
T-2	12/31/2001	<5,000	NA	<50	<50	<50	<50	NA	31,000	NA	4.96	NA	NA
T-2	03/13/2002	<5,000	NA	<50	<50	<50	<50	NA	48,000	NA	9.76	NA	NA
T-2	**06/18/2002**	**<20,000**	**NA**	**<200**	**<200**	**<200**	**<200**	**NA**	**100,000**	**NA**	**12.58**	**NA**	**NA**
T-3	**06/18/2002**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**Dry**	**NA**	**NA**
T-4	**06/18/2002**	**<10,000**	**NA**	**<100**	**<100**	**<100**	**<200**	**NA**	**97,000**	**NA**	**13.50**	**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)

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.
c = Samples for wells S-6 and S-7 may have been switched.
Well T-2 is a backfill well.

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 12 Water Samples
Project Name : 3790 Hopyard Rd., Pleasanton
Project Number : 020618-EM-1
P.O. Number : 98995842

Dear Mr. Gearhart,

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,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Subject : 12 Water Samples
Project Name : 3790 Hopyard Rd., Pleasanton
Project Number : 020618-EM-1
P.O. Number : 98995842

Case Narrative

Hydrocarbons reported as TPH as Gasoline do not exhibit a typical Gasoline chromatographic pattern for sample S-6.

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **S-2** Matrix : Water Lab Number : 27023-01
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**28**	5.0	ug/L	EPA 8260B	07/01/2002
Toluene	**< 5.0**	5.0	ug/L	EPA 8260B	07/01/2002
Ethylbenzene	**< 5.0**	5.0	ug/L	EPA 8260B	07/01/2002
Total Xylenes	**< 5.0**	5.0	ug/L	EPA 8260B	07/01/2002
Methyl-t-butyl ether (MTBE)	**2800**	50	ug/L	EPA 8260B	07/01/2002
TPH as Gasoline	**520**	500	ug/L	EPA 8260B	07/01/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	07/01/2002
4-Bromofluorobenzene (Surr)	88.9		% Recovery	EPA 8260B	07/01/2002

Sample : **S-3** Matrix : Water Lab Number : 27023-02
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	95.9		% Recovery	EPA 8260B	06/21/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **S-4** Matrix : Water Lab Number : 27023-03
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.1**	1.0	ug/L	EPA 8260B	06/29/2002
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	06/29/2002
Ethylbenzene	**< 1.0**	1.0	ug/L	EPA 8260B	06/29/2002
Total Xylenes	**< 1.0**	1.0	ug/L	EPA 8260B	06/29/2002
Methyl-t-butyl ether (MTBE)	**530**	10	ug/L	EPA 8260B	06/29/2002
TPH as Gasoline	**< 100**	100	ug/L	EPA 8260B	06/29/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	06/29/2002
4-Bromofluorobenzene (Surr)	92.6		% Recovery	EPA 8260B	06/29/2002

Sample : **S-5** Matrix : Water Lab Number : 27023-04
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**130**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	06/21/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **S-6** Matrix : Water Lab Number : 27023-05
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 1.0**	1.0	ug/L	EPA 8260B	07/01/2002
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	07/01/2002
Ethylbenzene	**< 1.0**	1.0	ug/L	EPA 8260B	07/01/2002
Total Xylenes	**< 1.0**	1.0	ug/L	EPA 8260B	07/01/2002
Methyl-t-butyl ether (MTBE)	**560**	10	ug/L	EPA 8260B	07/01/2002
TPH as Gasoline	**340**	100	ug/L	EPA 8260B	07/01/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	07/01/2002
4-Bromofluorobenzene (Surr)	88.6		% Recovery	EPA 8260B	07/01/2002

Sample : **S-7** Matrix : Water Lab Number : 27023-06
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**12**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	06/21/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **S-8** Matrix : Water Lab Number : 27023-07
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**19**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	06/21/2002

Sample : **S-9** Matrix : Water Lab Number : 27023-08
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**160**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	06/21/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **S-10** Matrix : Water Lab Number : 27023-09
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	97.1		% Recovery	EPA 8260B	06/21/2002

Sample : **T-1** Matrix : Water Lab Number : 27023-10
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 50**	50	ug/L	EPA 8260B	06/29/2002
Toluene	**< 50**	50	ug/L	EPA 8260B	06/29/2002
Ethylbenzene	**< 50**	50	ug/L	EPA 8260B	06/29/2002
Total Xylenes	**< 50**	50	ug/L	EPA 8260B	06/29/2002
Methyl-t-butyl ether (MTBE)	**20000**	500	ug/L	EPA 8260B	06/29/2002
TPH as Gasoline	**< 5000**	5000	ug/L	EPA 8260B	06/29/2002
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	06/29/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	06/29/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27023
Date : 07/02/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020618-EM-1**

Sample : **T-2** Matrix : Water Lab Number : 27023-11
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 200**	200	ug/L	EPA 8260B	06/29/2002
Toluene	**< 200**	200	ug/L	EPA 8260B	06/29/2002
Ethylbenzene	**< 200**	200	ug/L	EPA 8260B	06/29/2002
Total Xylenes	**< 200**	200	ug/L	EPA 8260B	06/29/2002
Methyl-t-butyl ether (MTBE)	**100000**	2500	ug/L	EPA 8260B	07/02/2002
TPH as Gasoline	**< 20000**	20000	ug/L	EPA 8260B	06/29/2002
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	06/29/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	06/29/2002

Sample : **T-4** Matrix : Water Lab Number : 27023-12
Sample Date :06/18/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 100**	100	ug/L	EPA 8260B	06/29/2002
Toluene	**< 100**	100	ug/L	EPA 8260B	06/29/2002
Ethylbenzene	**< 100**	100	ug/L	EPA 8260B	06/29/2002
Total Xylenes	**< 200**	200	ug/L	EPA 8260B	06/29/2002
Methyl-t-butyl ether (MTBE)	**97000**	2500	ug/L	EPA 8260B	07/02/2002
TPH as Gasoline	**< 10000**	10000	ug/L	EPA 8260B	06/29/2002
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	06/29/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	06/29/2002

Approved By: Joel Kiff

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

Report Number : 27023

Date : 07/02/2002

QC Report : Method Blank Data

Project Name : **3790 Hopyard Rd., Pleasanton**

Project Number : **020618-EM-1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/29/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/29/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/29/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/29/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	06/29/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/29/2002
Toluene - d8 (Surr)	98.0		%	EPA 8260B	06/29/2002
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	06/29/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	06/21/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	06/21/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	06/21/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	06/21/2002
Toluene - d8 (Surr)	99.7		%	EPA 8260B	06/21/2002
4-Bromofluorobenzene (Surr)	97.1		%	EPA 8260B	06/21/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 27023

Date : 07/02/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **3790 Hopyard Rd.,**

Project Number : **020618-EM-1**

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
Benzene	27021-02	<0.50	39.5	38.7	40.2	37.7	ug/L	EPA 8260B	6/29/02	102	97.5	4.27	70-130	25
Toluene	27021-02	<0.50	39.5	38.7	38.6	36.5	ug/L	EPA 8260B	6/29/02	97.8	94.3	3.64	70-130	25
Tert-Butanol	27021-02	<5.0	198	193	202	200	ug/L	EPA 8260B	6/29/02	102	103	0.891	70-130	25
Methyl-t-Butyl Ether	27021-02	11	39.5	38.7	43.6	44.9	ug/L	EPA 8260B	6/29/02	82.6	87.7	6.02	70-130	25
Benzene	27023-02	<0.50	40.0	40.0	41.6	41.0	ug/L	EPA 8260B	6/21/02	104	102	1.53	70-130	25
Toluene	27023-02	<0.50	40.0	40.0	40.4	39.8	ug/L	EPA 8260B	6/21/02	101	99.6	1.27	70-130	25
Tert-Butanol	27023-02	<5.0	200	200	222	230	ug/L	EPA 8260B	6/21/02	111	115	3.50	70-130	25
Methyl-t-Butyl Ether	27023-02	<0.50	40.0	40.0	41.5	41.2	ug/L	EPA 8260B	6/21/02	104	103	0.508	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 27023

QC Report : Laboratory Control Sample (LCS)

Date : 07/02/2002

Project Name : **3790 Hopyard Rd.,**

Project Number : **020618-EM-1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/29/02	103	70-130
Toluene	40.0	ug/L	EPA 8260B	6/29/02	99.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/29/02	103	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/29/02	87.5	70-130
Benzene	40.0	ug/L	EPA 8260B	6/21/02	106	70-130
Toluene	40.0	ug/L	EPA 8260B	6/21/02	102	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/21/02	112	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/21/02	104	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

LAB: Kiff

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

27023

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 8 4 2

SAP or CRMT NUMBER (TS/CRMT):

DATE: 6/18/02

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	3790 Hopyard Rd., Pleasanton	T0600101257

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: lgearhart@blainetech.com

EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml PHONE NO.: (510) 420-3335

E-MAIL: ShellOaklandEDF@cambria-env.com

CONSULTANT PROJECT NO.: [redacted] BTS # 020618-EFM-1

SAMPLER NAME(S) (Print): Josh K. Eric Mc

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	TEMPERATURE ON RECEIPT C°
-	S-2	6/18/02	14:45	W	3	X	X	X						-01
-	S-3		12:06			X	X	X						-02
-	S-4		14:35			X	X	X						-03
-	S-5		13:47			X	X	X						-04
-	S-6		11:43			X	X	X						-05
-	S-7		11:26			X	X	X						-06
-	S-8		12:59			X	X	X						-07
-	S-9		9:04			X	X	X						-08
-	S-10		11:03			X	X	X						-09
-	T-1		15:10			X	X	X						-10

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		6/19/02	1112
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cutler / Kiff Analytical	061902	1112

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

LAB: K,ST

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

27023

INCIDENT NUMBER (S&E ONLY): 98995842

SAP or CRMT NUMBER (TS/CRMT):

DATE: 6-18-02

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	3790 Hopyard Rd., Pleasanton	T0600101257

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: lgearhart@blainetech.com

EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kremi PHONE NO.: (510) 420-3335 E-MAIL: ShellOaklandEDF@cambria-env.com

CONSULTANT PROJECT NO.: 020618 BTS # -EM-1

SAMPLER NAME(S) (Print): J. Kermi , E. McReynolds

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	TEMPERATURE ON RECEIPT C°
-	T-2	6/18/02	14:55	W	3	X	X	X						-11
-	T-4	6/18/02	15:26	W	3	X	X	X						-12

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/19/02	1112
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuellar/Kiff Analytical	Date: 061902	Time: 1112

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

10/16/00 Revision

Q&Q Graphic (714) 898-9702

WELL GAUGING DATA

Project # 020618 Em-1 Date 6/18/02 Client Equiva

Site 3790 Hopyard Rd. Pleasanton

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					15.60	35.18	TOB	
S-3	3					13.55	35.50		
S-4	3					15.19	35.85		
S-5	3					17.00	35.85 ~~34.70~~		
S-6	3					15.24	Em 34.70 ~~35.20~~		
S-7	3					17.63	35.20		
S-8	3					15.37	34.35		
S-9	3					19.59	35.25		
S-10	3					14.59	34.30		
T-2	6					12.58	12.85		
T-1	4					12.21	13.78		
T-3	6					Dry	10.56		
T-4	4					13.50	14.43		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3780 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: 5-2	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 37.18	Depth to Water: 15.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: ____

7.2 (Gals.) X	3	=	21.6 Gals.
1 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
2:06	73.1	7.1	2317	110	7	clear
2:08	72.7	7.1	2866	>200	15	"
2:10	73.1	7.1	2541	>200	22	"

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 2:15 Sampling Date: 6/18/02

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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 5790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: 5-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.50	Depth to Water: 25.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

8.1 (Gals.) X	3	=	24.3 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:57	72.7	7.0	3263	>200	8	murky
11:59	71.7	7.0	4018	>200	16.5	"
12:01	71.3	7.0	4097	>200	25	"

Did well dewater? Yes (No)	Gallons actually evacuated: 25
Sampling Time: 12:06	Sampling Date: 6/18/02
Sample I.D.: 5-5	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

BLAINE TECH SERVICES, 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hayward Rd Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.85	Depth to Water: 15.19
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: ____

7.6 (Gals.) X	3	=	22.8 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
2:26	72.3	7.1	2130	115	8	
2:28	720	7.1	2421	>200	16	
2:30	72.1	7.2	2635	>200	23	

Did well dewater? Yes (No) Gallons actually evacuated: 23

Sampling Time: 2:35 Sampling Date: 6/18/02

Sample I.D.: S-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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746664

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: 5-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.85	Depth to Water: 17.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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:_____

7 (Gals.) X 3 = 21 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1358	74.8	7.0	2256	>200	7	Brown
13:40	72.3	7.0	1573	>200	14	"
13:42	72.0	6.9	1531	>200	21	

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Time: 13:47 Sampling Date: 6/18/02

Sample I.D.: 5-5 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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.70	Depth to Water: 15.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

7.2 (Gals.) X 3 = 21.6 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:34	70.4	7.0	1826	>200	7.5	murky
11:36	71.5	7.0	1874	>200	15	"
11:38	71.3	7.1	1895	>200	22	"

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 11:43 Sampling Date: 6/18/02

Sample I.D.: S-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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: S-7	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.20	Depth to Water: 17.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

6.5 (Gals.) X	3	=	19.5 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
11:17	72.3	7.0	2023	113	7	clear
11:19	71.8	7.0	2143	170	14	"
11:21	72	6.6	2420	95	20	"

Did well dewater? Yes (No) Gallons actually evacuated: 20

Sampling Time: 11:26 Sampling Date: 6/18/02

Sample I.D.: S-7 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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.55	Depth to Water: 15.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

7.4 (Gals.) X	3	=	22.2 Gals.	
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
12:50	72.0	6.9	3612	>200	7.5	Murky
12:52	73.2	7.0	4269	>200	15	Murky
12:54	72.5	6.9	4363	>200	23	"

Did well dewater? Yes (No) Gallons actually evacuated: 23

Sampling Time: 12:59 Sampling Date: 6/18/02

Sample I.D.: S-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

BLAINE TECH SERVICES, INC. 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: 5-9	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 35.25	Depth to Water: 19.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

5.8 (Gals.) X 3 = 17.4 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
8:55	71.1	6.9	2674	53.5	6	fairly clear
8:57	69.5	6.9	3226	142	12	"
8:59	69.2	7.0	3260	158	18	"

Did well dewater? Yes (No) Gallons actually evacuated: 18

Sampling Time: 9:04 Sampling Date: 6/18/02

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

BLAINE TECH SERVICES, 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020618 EM-1	Site: 3790 Hopyard Rd. Pleasanton
Sampler: EM JK	Date: 6/18/02
Well I.D.: 5-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 34.30	Depth to Water: 14.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: _____

7.3 (Gals.) X	3	=	21.9 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:54	69.5	8.7	1232	>200	8	cloudy
10:56	67.8	7.3	1801	>200	15	murky
10:58	67.7	7.2	1690	>200	22	murky

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Time: 11:03 Sampling Date: 6/18/02

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

BLAINE TECH SERVICES, INC. 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746684

SHELL WELL MONITORING DATA SHEET

BTS #: 020618-EM-1	Site: 3790 Hopyard Pleasanton
Sampler: JK	Date: 6-18-02
Well I.D.: T-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.78	Depth to Water: 12.31
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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: ____

1.0 (Gals.) X 3 = 3.0 Gals.
1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
15:00	71.6	6.8	878	>200	X0	Grab Sample
15:01	71.7	6.7	820	>200	1.0	
15:03	71.0	6.7	740	>200	2.0	
15:05	70.7	6.6	708	>200	3.0	
* Discarded Grab sample. * Collected sample post purge.						

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Time: 15:10 Sampling Date: 6/18/02

Sample I.D.: T-1 Laboratory: (Kiff) SPL 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 #: 020618 EM-1	Site:
Sampler: EM JK	Date: 6/18/02
Well I.D.: T-2	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 13.85	Depth to Water: 12.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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

4 (Gals.) X	3	=	_____ Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
2:44	76.3	6.8	785	70	~~1.0~~	Grab Sample
14:46	73.7	7.0	828	32	1 X 0.5	
14:48	73.6	6.7	740	15	1.0	
14:50	73.9	6.7	836	28	1.5	
	Discard grab sample					
	Purged & sampled					

Did well dewater? Yes (No)

Gallons actually evacuated: 1.5

Sampling Time: 14:55

Sampling Date: 6/18/02

Sample I.D.: T-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

BLAINE TECH SERVICES 1680 ROGERS AVE. • SAN JOSE, CA 95112-1105 • (408) 573-0555 • FAX (408) 573-7771 • CONTRACTOR'S LICENSE #746654

SHELL WELL MONITORING DATA SHEET

BTS #: 020618-JK-1	Site: 3790 Hopyard Pleasanton
Sampler: JK	Date: 6-18-02
Well I.D.: T-3	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth: 10.56	Depth to Water: Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC (Grade)	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:

_____(Gals.) X _____ = _____ Gals.
1 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. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
	* insufficient water to purge or sample					

Did well dewater? Yes No Gallons actually evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory: Kiff SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020618-JIC-1	Site: 3790 Hopyard Pleasanton
Sampler: JIC	Date: 6-18-02
Well I.D.: T-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.43	Depth to Water: 13.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	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: _____

1 Case Volume	Specified Volumes	Calculated Volume
0.6 (Gals.) X	3	= 1.8 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
15:15	73.5	6.7	740	>200	0.6	Grab Sample
15:17	71.8	6.7	710	>200	~~0.6~~	
15:19	72.4	6.7	707	>200	~~1.0~~	
15:21	72.4	6.7	706	>200	1.8	
	* Discarded Grab sample. * collected sample Post Purge.					

Did well dewater? Yes (No)		Gallons actually evacuated: 1.8	
Sampling Time: 15:26		Sampling Date: 6-18-02	
Sample I.D.: T-4		Laboratory: (Kiff) SPL 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