MARK BORSUK
Attorney at Law
1626 Vallejo Street
San Francisco, CA 94123-5116
(415) 922-4740
FAX 922-1485
Internet: mborsuk@ix.netcom.com

December 1, 1999

Mr. Thomas Peacock
Supervising HMS, LOP
ACHCSA
1131 Harbor Bay Parkway
Alameda, CA 94501
(510) 567-6700 / FAX 337-9335
tpeacock@co.alameda.ca.us

SUBJECT: IIIQ'99 Monitoring Report
1432 Harrison Street, Oakland, CA 94612
SITE ID 498

Dear Mr. Peacock:

Attached is the IIIQ'99 groundwater monitoring data for the above site. If you have a question, please contact me.

Sincerely yours,

Mark Borsuk

BLAINE
TECH SERVICES inc.

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

November 29, 1999

Mark Borsuk
1626 Vallejo Street
San Francisco, CA 94123-5116

Site:
1432 Harrison Street
Oakland, California

Date:
September 24, 1999

GROUNDWATER SAMPLING REPORT 990924-I-2

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation 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. does not participate in the interpretation of analytical results, or become involved with the marketing or installation of remedial systems.

This report deals with the groundwater well sampling performed by our firm in response to your request. Data collected in the course of our work at the site are presented in the TABLE OF WELL MONITORING DATA. This information was collected during our inspection and sample collection. Measurements include the total depth of the well and the depth to water. Water surfaces were further inspected for the presence of immiscibles. A series of electrical conductivity, pH, turbidity, and temperature readings were obtained during sample collection.

STANDARD PRACTICES

Sampling Equipment

Samples were collected using disposable bailers.

Bailers: A bailer, in its simplest form, is a hollow tube which has been fitted with a check valve at the lower end. The device can be lowered into a well by means of a cord. When the bailer enters the water, the check valve opens and liquid flows into the interior of the bailer. The bottom check valve prevents water from escaping when the bailer is drawn up and out of the well.

Two types of bailers are used in groundwater wells at sites where fuel hydrocarbons and/or solvents are of concern. The first type of bailer is made of a clear material such as acrylic plastic and is used to obtain a sample of the surface and the near-surface liquids, in order to detect the presence of visible or measurable fuel hydrocarbon floating on the surface. The second type of bailer is made of polyethylene, Teflon, or stainless steel, and is used as an evacuation and/or sampling device. Disposable bailers are made of polyethylene plastic, decontaminated by the manufacturer, individually packaged for one-time only use, and are inexpensive. Teflon and stainless steel bailers are relatively easy to clean and are considered reusable with proper decontamination.

Because bailers are manually operated, variations in operator technique may have a greater influence on performance than would be found when using more automated sampling equipment. Also, in cases where fuel hydrocarbons are involved the bailer may include near-surface contaminants that are not representative of water located deeper in the well.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow a non-purge sample collection protocol. The sampling methodology conforms to both State and Regional Water Quality Control Board standards for no purge sampling and specifically adheres to EPA requirements for apparatus, sample containers and sample handling as specified in publication SW 846 and T.E.G.D. which is published separately.

Sample Containers

Sample containers are supplied by the laboratory performing the analyses.

Sample Handling Procedures

Following collection, samples are promptly placed in an ice chest containing ice or an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days, as jobs and projects often do.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under our standard chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date and signature of person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were analyzed at Sequoia Analytical in Morgan Hill, California. Sequoia is certified by the California Department of Health Services under the Environmental Laboratory Accreditation Program (ELAP), and is listed as ELAP #1210.

Personnel

All Blaine Tech Services, Inc. personnel receive 29 CFR 1910.120(e)(2) training as soon after being hired as is practical. In addition, many of our personnel have additional certifications that include specialized training in level B supplied air apparatus and the supervision of employees working on hazardous materials sites. Employees are not sent to a site unless we are confident they can adhere to any site safety provisions in force at the site and unless we know that they can follow the written provisions of an SSP and the verbal directions of an SSO.

In general, employees sent to a site to perform groundwater well sampling will assume an OSHA level D (wet) environment exists unless otherwise informed. The use of gloves and double glove protocols protects both our employees and the integrity of the samples being collected. Additional protective gear and procedures for higher OSHA levels of protection are available.

Reportage

Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody and the certified analytical report issued by the Hazardous Materials Testing Laboratory.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
2101 Webster Street
Suite 500
Oakland, CA 94612
ATTN: Chuck Headlee

Oakland Fire Prevention Bureau
One City Hall Plaza
Oakland, CA 94612
ATTN: Stanley Y. Chi

Please call if we can be of any further assistance.

William Jones

WRJ/pb

attachments: cumulative table of well monitoring data
certified professional report and gradient map
certified analytical report
chain of custody
field data sheets

cc: John Riggi
Cambria Environmental Technology, Inc.
1144 65th St., Suite C
Oakland, CA 94608

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Motor Oil
MW-1											
12/21/94	34.95	15.42	19.53	--	180,000	41,000	64,000	3100	100,000	--	--
03/13/95	34.95	16.29	18.66	--	150,000	31,000	45,000	2500	17,000	--	--
06/27/95	34.95	16.75	18.20	--	71,000	17,000	18,000	1600	7700	--	--
07/07/95	34.95	16.60	18.35	Gauge Only	--	--	--	--	--	--	--
09/28/95	34.95	16.75	18.20	--	110,000	27,000	34,000	1700	14,000	--	--
12/20/95	34.95	14.99	19.96	--	120,000	33,000	43,000	2300	15,000	--	--
03/26/96	34.95	15.68	19.27	*	140,000	29,000	36,000	1900	13,000	ND	--
06/20/96	34.95	16.31	18.64	*	110,000	30,000	38,000	2200	13,000	ND	--
09/26/96	34.95	15.60	19.35	**	170,000	28,000	40,000	2200	15,000	ND	--
10/28/96	34.95	15.37	19.58	Gauge Only	--	--	--	--	--	--	--
12/12/96	34.95	15.27	19.68	*	110,000	36,000	47,000	2500	16,000	ND	--
03/31/97	34.95	16.15	18.80	*	160,000	24,000	39,000	1900	13,000	ND	--
06/27/97	34.95	15.69	19.26	*	130,000	25,000	36,000	2000	14,000	ND	--
09/09/97	34.95	15.25	19.70	*	99,000	22,000	27,000	1600	13,000	270	--
12/18/97	34.95	15.70	19.25	***	160,000	30,000	44,000	2200	15,000	ND	--
03/12/98	34.95	17.43	17.52	***	190,000	20,000	49,000	2500	18,000	ND	--
06/22/98	34.95	16.32	18.63	--	90,000	19,000	40,000	2100	16,000	--	--
09/18/98	34.95	16.35	18.60	--	190,000	29,000	48,000	2400	17,000	--	--
12/23/98	34.95	15.77	19.18	--	140,000+	24,000	44,000	2000	8200	--	--
03/29/99	34.95	16.43	18.52	--	181,000	22,200	40,100	1844	12,200	--	--
06/23/99	34.95	16.35	18.60	--	80,000	20,000	33,000	1600	11,000	--	--
09/24/99	34.95	15.90	19.05	--	[illegible]	[illegible]	20,700	1550	11,800	--	--

* = MTBE results by EPA method 8020.
** = MTBE results by EPA method 8240.
*** = MTBE results by EPA method 8260.
+ = Chromatogram pattern indeicates gas.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Motor Oil
MW-2											
12/21/94	35.18	15.27	19.91	--	200,000	140,000	200,000	3500	22,000	--	--
03/13/95	35.18	16.03	19.15	--	500,000	9200	23,000	7000	36,000	--	--
06/27/95	35.18	16.44	18.74	--	120,000	23,000	30,000	2700	13,000	--	--
07/07/95	35.18	16.38	18.80	Gauge Only	--	--	--	--	--	--	--
09/28/95	35.18	15.88	19.30	--	110,000	23,000	29,000	2500	11,000	--	--
12/20/95	35.18	14.94	20.24	--	83,000	980	1800	2200	10,000	--	--
03/26/96	35.18	15.49	19.69	*	150,000	23,000	32,000	2800	12,000	ND	--
06/20/96	35.18	20.98	14.20	*	94,000	15,000	23,000	2400	12,000	ND	--
09/26/96	35.18	15.38	19.80	**	150,000	20,000	29,000	2800	12,000	ND	--
10/28/96	35.18	15.00	20.18	Gauge Only	--	--	--	--	--	--	--
12/12/96	35.18	15.01	20.17	*	58,000	3100	11,000	1700	8100	220	--
03/31/97	35.18	15.51	19.67	*	38,000	6000	7900	690	3300	ND	--
06/27/97	35.18	15.50	19.68	*	62,000	13,000	16,000	1300	6000	ND	--
09/09/97	35.18	14.98	20.20	***	81,000	16,000	18,000	1800	8600	ND	--
12/18/97	35.18	15.38	19.80	***	110,000	18,000	26,000	2200	9500	ND	--
03/12/98	35.18	17.11	18.07	***	120,000	16,000	26,000	2200	9400	ND	--
06/22/98	35.18	16.89	18.29	--	38,000	9800	9500	1500	6000	--	--
09/18/98	35.18	16.09	19.09	--	68,000	12,000	16,000	1400	5900	--	--
12/23/98	35.18	15.51	19.67	--	180,000+	16,000	22,000	2200	8300	--	--
03/29/99	35.18	16.21	18.97	--	16,600	1380	1920	373	1840	--	--
06/23/99	35.18	16.93	18.25	--	41,000	10,000	9400	1100	5000	--	--
09/24/99	35.18	15.58	19.60	--	[redacted]	[redacted]	3490	1090	4560	--	--

* = MTBE results by EPA method 8020.
** = MTBE results by EPA method 8240.
*** = MTBE results by EPA method 8260.
+ = Chromatogram pattern indeicates gas.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Motor Oil
MW-3											
12/21/94	33.97	15.15	18.82	--	ND	ND	ND	ND	ND	--	ND
03/13/95	33.97	16.11	17.86	--	ND	ND	ND	ND	ND	--	ND
07/07/95	33.97	15.72	18.25	Gauge Only	--	--	--	--	--	--	--
09/28/95	33.97	15.97	18.00	--	--	--	--	--	--	--	--
12/20/95	33.97	15.23	18.74	--	--	--	--	--	--	--	--
03/26/96	33.97	15.72	18.25	--	--	--	--	--	--	--	--
06/20/96	33.97	15.62	18.35	--	--	--	--	--	--	--	--
09/26/96	33.97	14.85	19.12	--	--	--	--	--	--	--	--
10/28/96	33.97	14.86	19.11	--	--	--	--	--	--	--	--
12/12/96	33.97	15.36	18.61	--	--	--	--	--	--	--	--
03/31/97	33.97	15.62	18.35	--	--	--	--	--	--	--	--
06/27/97	33.97	15.16	18.81	--	--	--	--	--	--	--	--
09/09/97	33.97	14.79	19.18	--	--	--	--	--	--	--	--
12/18/97	33.97	15.33	18.64	--	--	--	--	--	--	--	--
03/12/98	33.97	16.41	17.56	--	--	--	--	--	--	--	--
06/22/98	33.97	15.33	18.64	--	--	--	--	--	--	--	--
09/18/98	33.97	15.64	18.33	--	--	--	--	--	--	--	--
12/23/98	33.97	15.37	18.60	--	--	--	--	--	--	--	--
03/29/99	33.97	16.12	17.85	--	--	--	--	--	--	--	--
06/23/99	33.97	15.30	18.67	--	--	--	--	--	--	--	--
09/24/99	33.97	15.33	18.64	--	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Motor Oil
MW-4											
10/28/96	30.77	11.45	19.32	--	NA	NA	NA	NA	NA	NA	--
12/12/96	30.77	11.35	19.42	*	11,000	4200	410	420	260	32	--
03/31/97	30.77	12.10	18.67	*	ND	ND	ND	ND	ND	ND	--
06/27/97	30.77	11.69	19.08	*	160	49	1.2	ND	5.9	ND	--
09/09/97	30.77	11.44	19.33	*	7400	5000	410	230	470	33	--
12/18/97	30.77	11.60	19.17	***	710	170	8.0	ND	39	ND	--
03/12/98	30.77	13.09	17.68	***	1300	410	21	ND	57	ND	--
06/22/98	30.77	13.14	17.63	--	ND	ND	ND	ND	ND	--	--
09/18/98	30.77	12.19	18.58	--	ND	42	1.6	ND	4.8	--	--
12/23/98	30.77	11.76	19.01	--	1900	1000	76	50	120	--	--
03/29/99	30.77	12.42	18.35	--	ND	ND	ND	ND	ND	--	--
06/23/99	30.77	13.19	17.58	--	ND	ND	ND	ND	ND	--	--
09/24/99	30.77	11.72	19.05	--	[illegible]	[illegible]	131	34	537	--	--
MW-5											
10/28/96	31.61	11.73	19.88	--	NA	NA	NA	NA	NA	NA	--
12/12/96	31.61	11.52	20.09	*	230	5.6	0.9	ND	0.9	3.6	--
03/31/97	31.61	12.37	19.24	*	90	3.1	ND	ND	ND	ND	--
06/27/97	31.61	12.45	19.16	*	ND	ND	ND	ND	ND	ND	--
09/09/97	31.61	11.68	19.93	*	ND	ND	ND	ND	ND	ND	--
12/18/97	31.61	11.84	19.77	***	ND	ND	ND	ND	ND	ND	--
03/12/98	31.61	11.84	19.77	*	79	2.3	ND	0.8	ND	ND	--
06/22/98	31.61	13.53	18.08	--	ND	ND	ND	ND	ND	--	--
09/18/98	31.61	12.49	19.12	--	ND	ND	ND	ND	ND	--	--
12/23/98	31.61	12.01	19.60	--	ND	0.83	0.85	ND	ND	--	--
03/29/99	31.61	12.73	18.88	--	ND	ND	ND	ND	ND	--	--
06/23/99	31.61	13.56	18.05	--	ND	ND	ND	ND	ND	--	--
09/24/99	31.61	12.00	19.61	--	ND	ND	ND	ND	ND	--	--

* = MTBE results by EPA method 8020.
*** = MTBE results by EPA method 8260.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Motor Oil
MW-6											
10/28/96	32.89	12.87	20.02	--	NA	NA	NA	NA	NA	NA	--
12/12/96	32.89	12.71	20.18	*	ND	ND	ND	ND	ND	ND	--
03/31/97	32.89	13.08	19.81	Gauge Only	--	--	--	--	--	--	--
06/27/97	32.89	13.13	19.76	Gauge Only	--	--	--	--	--	--	--
09/09/97	32.89	12.83	20.06	*	ND	ND	ND	ND	ND	ND	--
12/18/97	32.89	12.99	19.90	--	ND	ND	ND	ND	ND	--	--
03/12/98	32.89	14.89	18.00	*	ND	ND	ND	ND	ND	ND	--
06/22/98	32.89	14.46	18.43	--	ND	ND	ND	ND	ND	--	--
09/18/98	32.89	13.79	19.10	--	ND	ND	ND	ND	ND	--	--
12/23/98	32.89	13.28	19.61	--	ND	ND	ND	ND	ND	--	--
03/29/99	32.89	13.97	18.92	--	ND	ND	ND	ND	ND	--	--
06/23/99	32.89	14.48	18.41	--	ND	ND	ND	ND	ND	--	--
09/24/99	32.89	13.28	19.61	--	ND	ND	ND	ND	ND	--	--

* = MTBE results by EPA method 8020.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
MTBE = Methyl-t-Butyl Ether

CAMBRIA

November 16, 1999

Billy Jones
Blaine Tech Services
1680 Rogers Avenue
San Jose, California 95112

Re: **Third Quarter 1999 Monitoring Report**
1432 Harrison Street
Oakland, California
Cambria Project #180-0214

Dear Mr. Jones:

As you requested, Cambria Environmental Technology, Inc. (Cambria) has summarized the results of the third quarter 1999 groundwater sampling at the site referenced above. Presented below are sampling activities performed in the third quarter 1999, the hydrocarbon distribution in groundwater, and the anticipated fourth quarter 1999 activities.

THIRD QUARTER 1999 ACTIVITIES AND RESULTS

Groundwater Sampling: On September 24, 1999, Blaine Tech Services (Blaine) gauged all site wells and collected groundwater samples from site wells MW-1, MW-2, MW-4, MW-5, and MW-6. Groundwater elevations are shown on Figure 1. Analytical results are included as Attachment A.

Hydrocarbon Distribution in Groundwater: Consistent with historical data, groundwater analytical data suggest that hydrocarbon concentrations are highest in wells MW-1 and MW-2, which are located near the former underground storage tank area. Total petroleum hydrocarbons as gasoline (TPHg) concentrations in wells MW-1 and MW-2 were 117,000 parts per billion (ppb) and 40,600 ppb, respectively. Concentrations in well MW-4 were higher this quarter than previous quarters with TPHg and benzene concentrations of 9,150 ppb and 3,270 ppb, respectively. During previous sampling events, confirmation analysis for methyl tert-butyl ether (MTBE) by EPA Method 8260 was conducted on several site wells for consecutive quarters and detected no MTBE in the sampled wells. Site data indicates that the extent of the hydrocarbon plume is well defined by perimeter wells MW-3, MW-5 and MW-6. However, hydrocarbons have been detected intermittently in downgradient monitoring well MW-4.

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

Cambria Environmental Technology, Inc.

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

System Design: Cambria is currently preparing a remediation system design package for up coming remediation.

ANTICIPATED FOURTH QUARTER 1999 ACTIVITIES

Groundwater Sampling: Blaine will gauge all site wells and collect groundwater samples from wells MW-1, MW-2, MW-4, MW-5, and MW-6. Cambria will prepare a groundwater monitoring report summarizing the sampling data.

System Design: Cambria will submit a system design package for regulatory review.

CLOSING

We appreciate this opportunity to provide environmental consulting services to Blaine Tech Services. Please call if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc.

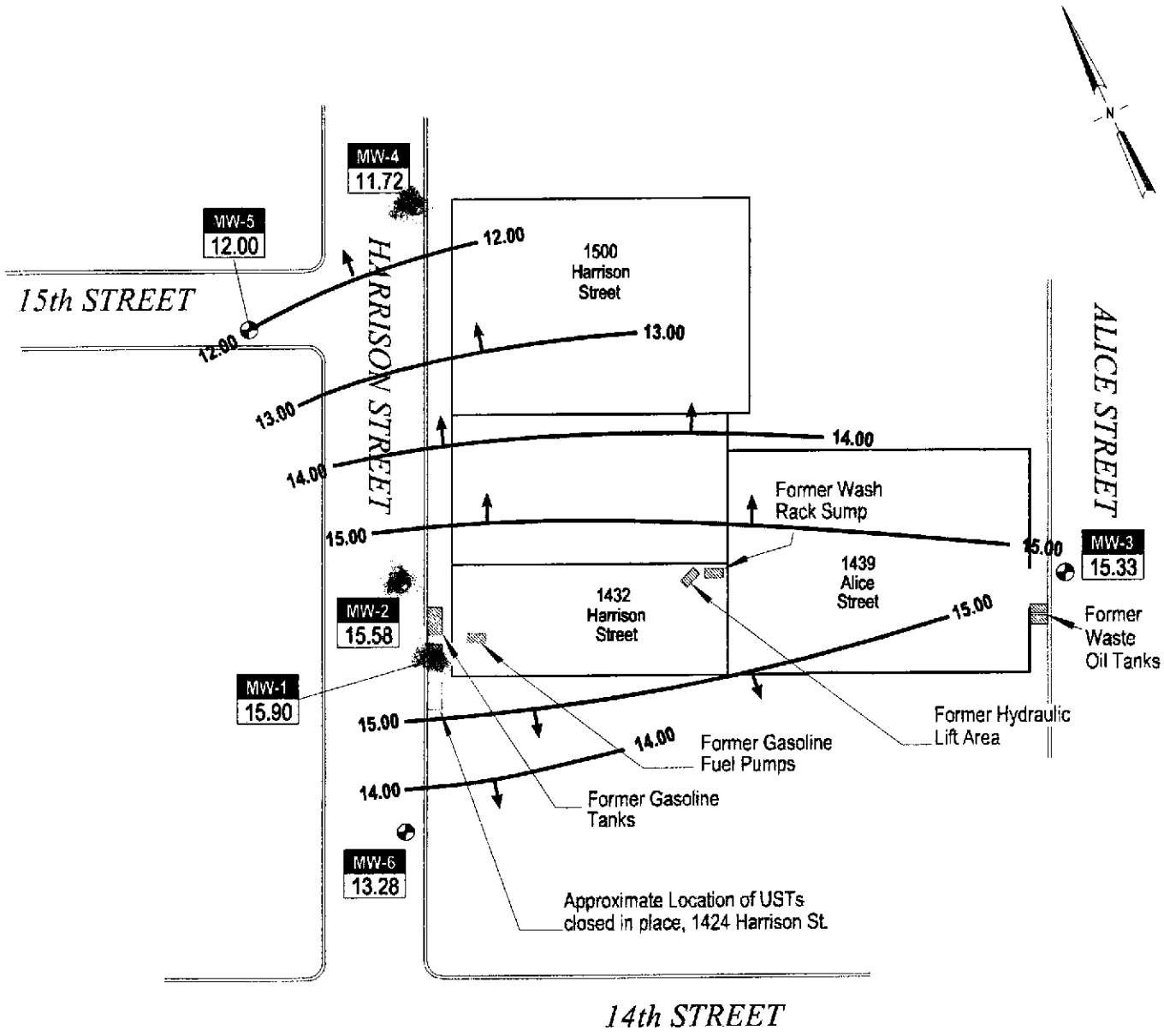
Jacquelyn Jones
Staff Geologist

David Elias, R.G.
Senior Geologist

REGISTERED GEOLOGIST
DAVID CARL ELIAS
No. 6584
STATE OF CALIFORNIA

Figure: 1 - Groundwater Elevation Contours
Attachment: A - Analytical Results for Groundwater Sampling

H:\SB-2004\Oakl-188-Borsuk\QM\QM-3-99.WPD



EXPLANATION

- Groundwater Monitoring Well
- 14.00 — Groundwater Elevation Contour, Feet Above msl, Dashed Where Inferred
- Groundwater Flow Direction
- Well / ELEV. — Well Designation; Groundwater Elevation, Feet Above Mean Sea Level (msl)

NOTE: Wells MW-4, MW-5, and MW-6 installed in October, 1996.

0 50 100
Scale (ft)

FIGURE 1

H:\SB-2004\OAK-168\FIGURES\3QM99-MP.DWG

Borsuk
1432 Harrison Street
Oakland, California

CAMBRIA

Groundwater Elevation Contours
September 24, 1999

CAMBRIA

Attachment A

Analytical Results for Groundwater Sampling

Sequoia Analytical

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

Blaine Tech Services	Project: Mark Borsyk	Sampled:	9/24/99
1680 Rogers Ave	Project Number: BTS#990924-12	Received:	9/27/99
San Jose, CA 95112	Project Manager: W.R. Jones	Reported:	10/12/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			M909868-01				Water	
Gasoline	9100125	10/8/99	10/8/99		2500	117000	ug/l	
Benzene	"	"	"		25.0	15100	"	
Toluene	"	"	"		25.0	20700	"	
Ethylbenzene	"	"	"		25.0	1550	"	
Xylenes (total)	"	"	"		25.0	11800	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*98.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*91.3*	"	
MW-2			M909868-02				Water	
Gasoline	9100125	10/8/99	10/8/99		500	40600	ug/l	
Benzene	"	"	"		5.00	4880	"	
Toluene	"	"	"		5.00	3490	"	
Ethylbenzene	"	"	"		5.00	1090	"	
Xylenes (total)	"	"	"		5.00	4560	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*92.3*	"	
MW-4			M909868-03				Water	
Gasoline	9100125	10/8/99	10/8/99		250	9150	ug/l	
Benzene	"	"	"		10.0	3270	"	
Toluene	"	"	"		2.50	131	"	
Ethylbenzene	"	"	"		2.50	34.0	"	
Xylenes (total)	"	"	"		2.50	537	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.0*	"	
MW-5			M909868-04				Water	
Gasoline	9100125	10/8/99	10/8/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.0*	"	
MW-6			M909868-05				Water	
Gasoline	9100125	10/8/99	10/8/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

*Refer to end of report for text of notes and definitions.

Sequoia Analytical

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

October 12, 1999

W.R. Jones
Blaine Tech Services
1680 Rogers Ave
San Jose, CA 95112

RE: Mark Borsyk, BTS#990924-I2/M909868

Dear W.R. Jones

Enclosed are the results of analyses for sample(s) received by the laboratory on September 27, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled:	9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-I2	Received:	9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported:	10/12/99

ANALYTICAL REPORT FOR M909868

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M909868-01	Water	9/24/99
MW-2	M909868-02	Water	9/24/99
MW-4	M909868-03	Water	9/24/99
MW-5	M909868-04	Water	9/24/99
MW-6	M909868-05	Water	9/24/99

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled: 9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-12	Received: 9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported: 10/12/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**M909868-01**				**Water**	
Gasoline	9100125	10/8/99	10/8/99		2500	**117000**	ug/l	
Benzene	"	"	"		25.0	**15100**	"	
Toluene	"	"	"		25.0	**20700**	"	
Ethylbenzene	"	"	"		25.0	**1550**	"	
Xylenes (total)	"	"	"		25.0	**11800**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*98.7*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*91.3*	"	
MW-2			**M909868-02**				**Water**	
Gasoline	9100125	10/8/99	10/8/99		500	**40600**	ug/l	
Benzene	"	"	"		5.00	**4880**	"	
Toluene	"	"	"		5.00	**3490**	"	
Ethylbenzene	"	"	"		5.00	**1090**	"	
Xylenes (total)	"	"	"		5.00	**4560**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*92.3*	"	
MW-4			**M909868-03**				**Water**	
Gasoline	9100125	10/8/99	10/8/99		250	**9150**	ug/l	
Benzene	"	"	"		10.0	**3270**	"	
Toluene	"	"	"		2.50	**131**	"	
Ethylbenzene	"	"	"		2.50	**34.0**	"	
Xylenes (total)	"	"	"		2.50	**537**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.0*	"	
MW-5			**M909868-04**				**Water**	
Gasoline	9100125	10/8/99	10/8/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*101*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.0*	"	
MW-6			**M909868-05**				**Water**	
Gasoline	9100125	10/8/99	10/8/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled: 9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-I2	Received: 9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported: 10/12/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-6 (continued)			**M909868-05**				**Water**	
Surrogate: a,a,a-Trifluorotoluene	*9100125*	*10/8/99*	*10/8/99*	*65.0-135*		*99.3*	*%*	
Surrogate: 4-Bromofluorobenzene	*"*	*"*	*"*	*65.0-135*		*92.0*	*"*	

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled: 9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-I2	Received: 9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported: 10/12/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100125	**Date Prepared: 10/7/99**					**Extraction Method: EPA 5030 waters**				
Blank	**9100125-BLK1**									
Gasoline	10/7/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*294*	"	*65.0-135*	*98.0*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*281*	"	*65.0-135*	*93.7*			
Blank	**9100125-BLK2**									
Gasoline	10/8/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*300*	"	*65.0-135*	*100*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*277*	"	*65.0-135*	*92.3*			
LCS	**9100125-BS1**									
Benzene	10/7/99	100		92.7	ug/l	65.0-135	92.7			
Toluene	"	100		93.0	"	65.0-135	93.0			
Ethylbenzene	"	100		89.6	"	65.0-135	89.6			
Xylenes (total)	"	300		288	"	65.0-135	96.0			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*300*	"	*65.0-135*	*100*			
LCS	**9100125-BS2**									
Gasoline	10/8/99	1000		1020	ug/l	65.0-135	102			
Surrogate: 4-Bromofluorobenzene	"	*300*		*279*	"	*65.0-135*	*93.0*			
Matrix Spike	**9100125-MS1**		**P910122-02**							
Benzene	10/7/99	100	ND	98.7	ug/l	65.0-135	**98.7**			
Toluene	"	100	ND	98.6	"	65.0-135	**98.6**			
Ethylbenzene	"	100	ND	92.7	"	65.0-135	**92.7**			
Xylenes (total)	"	300	ND	292	"	65.0-135	**97.3**			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*290*	"	*65.0-135*	*96.7*			
Matrix Spike Dup	**9100125-MSD1**		**P910122-02**							
Benzene	10/7/99	100	ND	100	ug/l	65.0-135	**100**	20.0	**1.31**	
Toluene	"	100	ND	99.7	"	65.0-135	**99.7**	20.0	**1.11**	
Ethylbenzene	"	100	ND	93.8	"	65.0-135	**93.8**	20.0	**1.18**	
Xylenes (total)	"	300	ND	296	"	65.0-135	**98.7**	20.0	**1.43**	

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled: 9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-I2	Received: 9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported: 10/12/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**9100125-MSD1**		**P910122-02**							
Surrogate: a,a,a-Trifluorotoluene	*10/7/99*	*300*		*302*	*ug/l*	*65.0-135*	*101*			

Sequoia Analytical

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

Blaine Tech Services	Project:	Mark Borsyk	Sampled:	9/24/99
1680 Rogers Ave	Project Number:	BTS#990924-I2	Received:	9/27/99
San Jose, CA 95112	Project Manager:	W.R. Jones	Reported:	10/12/99

Notes and Definitions

#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

BLAINE
TECH SERVICES INC.

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

CHAIN OF CUSTODY: BTS # 990924-I2

CLIENT: MARK BADKE

SITE: 1432 HARRISON ST.
OAKLAND, CA

LAB: SEQUOIA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER M909868

SPECIAL INSTRUCTIONS
INVOICE & REPORT TO:
BLAINE TECH SERVICES
ATTN: W.R JONES

SAMPLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH-G (8015)	BTEX (8020)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1 ✓	9-24	1242	W	3		X	X				01
MW-2		1249				X	X				2
MW-4 ✓		1232				X	X				3
MW-5 ✓		1221				X	X				4
MW-6 ✓		1207	↓	↓		X	X				5

97 12 25

SAMPLING COMPLETED: DATE 9-24 TIME 1249

SAMPLING PERFORMED BY: Patrick Flaherty

RESULTS NEEDED NO LATER THAN: STANDARD TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Patrick Flaherty	9/27/99	9:27		9/27/99	9:27
	9/27/99			9/27/99	1225

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

WELL GAUGING DATA

Project # 990924-SJ Date 9-24-99 Client Mark Borsuk

Site 1432 Harrison St. Oakland, 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	
mw-1	4					19.05	25.00	TOC	5
mw-2	2					19.60	25.63		6
mw-3	2					18.64	23.92		4
mw-4	2					19.05	24.68		3
mw-5	2					19.61	28.66		2
mw-6	2					19.61	28.33		1

WELL MONITORING DATA SHEET

Project #: 990924-I2	Client: Mark Borsuk
Sampler: S.F.	Start Date: 9-24-99
Well I.D.: mw-1	Well Diameter: ~~2~~ 3 (4) 6 8 ____
Total Well Depth: 25.00	Depth to Water: 19.05
Before: After:	Before: After:
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, Extraction Pump, Other: ____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Other: ____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1242	69.1	7.5	700		9	odor

Did well dewater? Yes No		Gallons actually evacuated: 9	
Sampling Time: 1243		Sampling Date: 9-24-99	
Sample I.D.: mw-1		Laboratory: sequoia	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other:	
Equipment Blank I.D.: @ Time		Duplicate I.D.:	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd): Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 990924-I2	Client: Mark Borsuk
Sampler: S.F.	Start Date: 9-24-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 25.63	Depth to Water: 19.60
Before: After:	Before: After:
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, Extraction Pump, Other: _____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Other: _____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1249	70.2	7.2	820		0	odor

Did well dewater? Yes No	Gallons actually evacuated: 0		
Sampling Time: 1249	Sampling Date: 9-24-99		
Sample I.D.: MW-2	Laboratory: Sequoia		
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other:		
Equipment Blank I.D.: @ Time	Duplicate I.D.:		
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd): Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 990924-I2	Client: Mark Borsuk
Sampler: S.F.	Start Date: 9-24-99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.68	Depth to Water: 19.05
Before: After:	Before: After:
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, Extraction Pump, Other: _____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Other: _____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1232	70.4	7.4	810		Ø	

Did well dewater? Yes No	Gallons actually evacuated: Ø
Sampling Time: 1232	Sampling Date: 9-24-99
Sample I.D.: MW-4	Laboratory: Sequoia
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:

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

WELL MONITORING DATA SHEET

Project #: 990924-I2	Client: Mark Borsuk
Sampler: S.F.	Start Date: 9-24-99
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.66	Depth to Water: 19.61
Before: After:	Before: After:
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, Extraction Pump, Other: _____

Sampling Method: Bailer, (Disposable Bailer), ~~Extraction Port~~, Other: _____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1221	69.3	7.5	830		0	

Did well dewater? Yes No — Gallons actually evacuated: 0

Sampling Time: 1221 — Sampling Date: 9-24-99

Sample I.D.: MW-5 — Laboratory: Sequoia

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D — Other:

Equipment Blank I.D.: @ Time — Duplicate I.D.:

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

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

WELL MONITORING DATA SHEET

Project #: 990924-I2	Client: Mark Borsuk
Sampler: R.F.	Start Date: 9-24-99
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 26.33	Depth to Water: 19.61
Before: After:	Before: After:
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 / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1207	69.7	6.7	1180		9	

Did well dewater? Yes No		Gallons actually evacuated:	9
Sampling Time: 1207		Sampling Date:	9-24-99
Sample I.D.: MW-6		Laboratory:	Sequoia
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D		Other:	
Equipment Blank I.D.:	@ Time	Duplicate I.D.:	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge:	____ mg/L
ORP (if req'd):	Pre-purge: ____ mV	Post-purge:	____ mV