

ENVIRONMENTAL
PROTECTION

99 AUG 16 PM 4: 24

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

August 14, 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: IIQ'99 Monitoring Report
1432 Harrison Street, Oakland, CA 94612
SITE ID 498

Dear Mr. Peacock:

Attached is the IIQ'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

STUD 428

August 10, 1999

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

Site:
1432 Harrison Street
Oakland, California

Date:
June 23, 1999

GROUNDWATER SAMPLING REPORT 990623-T-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	--	--

almost lowest ↑ ↗

* = MTBE results by EPA method 8020.
 ** = MTBE results by EPA method 8240.
 *** = MTBE results by EPA method 8260.
 + = Chromatogram pattern indicates 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	10000	9400	1100	5000	--	--

* = MTBE results by EPA method 8020.

** = MTBE results by EPA method 8240.

*** = MTBE results by EPA method 8260.

+ = Chromatogram pattern indicates 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	--	--	--	--	--	--	--	--

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	76.0	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	--	--
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	--	--

* = 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	--	--

* = 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

July 30, 1999

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

Re: **Second 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 second quarter 1999 groundwater sampling at the site referenced above. Presented below are sampling activities performed in the second quarter 1999, the hydrocarbon distribution in groundwater, and the anticipated third quarter 1999 activities.

SECOND QUARTER 1999 ACTIVITIES AND RESULTS

Groundwater Sampling: On June 23, 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 80,000 parts per billion (ppb) and 41,000 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-4, MW-5 and MW-6.

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

EARLY THIRD QUARTER 1999 ACTIVITIES

On July 22 and July 23, 1999, Cambria installed remediation wells VES-1, VES-2, VES-3 and VES-4 as described in Cambria's March 9, 1999 *Investigation and Remediation Workplan* for this site. The remediation wells are coaxial-design air sparging and vapor extraction wells. Boring logs and well diagrams for the remediation wells, as well as analytical results for soil samples collected during drilling activities, will be presented in a separate report.



ANTICIPATED THIRD 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 Installation: Cambria has begun coordinating system installation; however, State UST Cleanup Fund guidelines require bid solicitation prior to selection of the installation contractor. Upon contractor selection, system installation will commence.

Subsurface Investigation: Cambria performed additional subsurface investigation at the subject site while installing remediation wells on July 22 and 23, 1999. Cambria will present the results of the field investigation in a subsurface investigation report.

C A M B R I A


Mr. Billy Jones
July 30, 1999

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


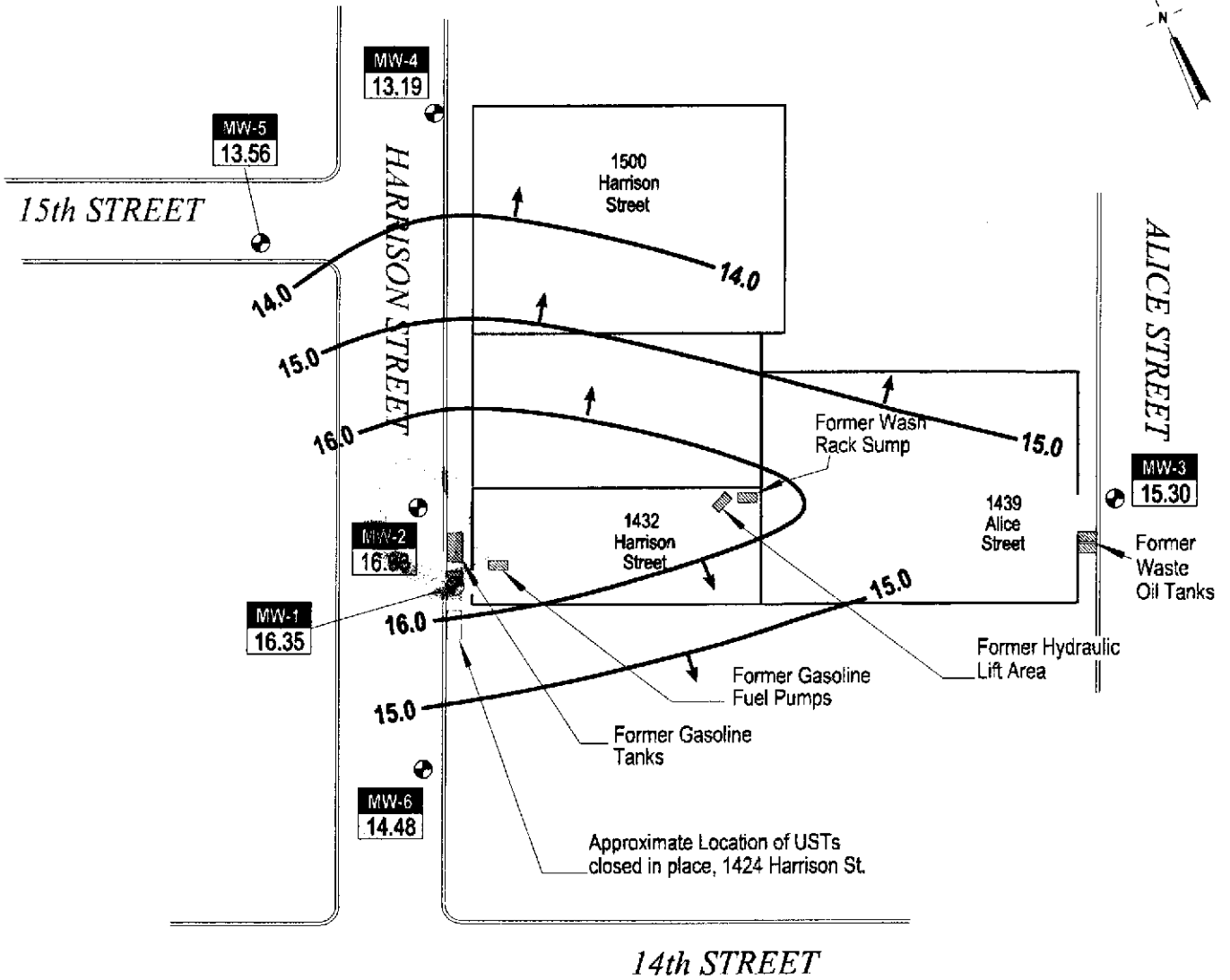
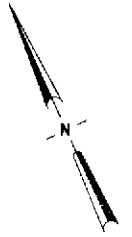

David Elias, R.G.
Senior Geologist



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

H:\SB-2004\Oakl-188-Borsuk\QM\QM-2-99.WPD



EXPLANATION

- Groundwater Monitoring Well
- Groundwater Elevation Contour, Feet Above msl, Dashed Where Inferred
- Groundwater Flow Direction
- Well Designation
- Groundwater Elevation, Feet Above Mean Sea Level (msl)

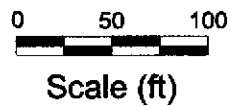


FIGURE
1

H:\SB-2004\104K-168\FIGURES\30M89-MP.DWG

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

Borsuk
1432 Harrison Street
Oakland, California



**Groundwater Elevation
Contours**
June 23, 1999

C A M B R I A



Attachment A

Analytical Results for Groundwater Sampling



Sequoia Analytical

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

July 9, 1999

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

RE: Mark Borsuk BTS#990623-T2 /M906779

Dear W.R. Jones

Enclosed are the results of analyses for sample(s) received by the laboratory on June 24, 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





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Mark Borsuk
Project Number: BTS#990623-T2
Project Manager: W.R. Jones

Sampled: 6/23/99
Received: 6/24/99
Reported: 7/9/99

ANALYTICAL REPORT FOR M906779

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M906794-01	Water	6/23/99
MW-2	M906794-02	Water	6/23/99
MW-3	M906794-03	Water	6/23/99
MW-4	M906794-02	Water	6/23/99
MW-5	M906794-03	Water	6/23/99





Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

Sequoia Analytical 885 Jarvis Dr. Morgan Hill, CA. 95037 Attention: Kayvan Kimyai	Client Project ID: M906794- Blaine Tech Services, Inc. Sample Matrix: Water Analysis Method: EPA 5030/8015 Mod./8020 First Sample #: 906-2414	Sampled: Jun 23, 1999 Received: Jun 24, 1999 Reported: Jul 8, 1999
--	--	--

QC Batch Number: GC070699 GC070699 GC070699 GC070699 GC070699

802005A 802005A 802005A 802005A 802005A
TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE


Analyte	Reporting Limit µg/L	Sample I.D. 906-2414 MW-1	Sample I.D. 906-2415 MW-2	Sample I.D. 906-2416 MW-4	Sample I.D. 906-2417 MW-5	Sample I.D. 906-2418 MW-6
Purgeable Hydrocarbons	50	80,000	41,000	N.D.	N.D.	N.D.
Benzene	0.50	20,000	10,000	N.D.	N.D.	N.D.
Toluene	0.50	33,000	9,400	N.D.	N.D.	N.D.
Ethyl Benzene	0.50	1,600	1,100	N.D.	N.D.	N.D.
Total Xylenes	0.50	11,000	5,000	N.D.	N.D.	N.D.
Chromatogram Pattern:		Gasoline	Gasoline	--	--	--

Quality Control Data

Report Limit Multiplication Factor:	200	100	1.0	1.0	1.0
Date Analyzed:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
Instrument Identification:	HP-5	HP-5	HP-5	HP-5	HP-5
Surrogate Recovery, %: (QC Limits = 70-130%)	81	87	83	85	88

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271


Charlie Westwater
Project Manager





Sequoia Analytical
885 Jarvis Dr.
Morgan Hill, CA. 95037
Attention: Kayvan Kimyai

Client Project ID: M906794- Blaine Tech Services, Inc.
Matrix: Liquid

QC Sample Group: 9062414-418

Reported: Jul 8, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC070699 802005A	GC070699 802005A	GC070699 802005A	GC070699 802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	9061964	9061964	9061964	9061964
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/6/99	7/6/99	7/6/99	7/6/99
Analyzed Date:	7/6/99	7/6/99	7/6/99	7/6/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	19	20	20	62
MS % Recovery:	95	100	100	103
Dup. Result:	20	21	20	62
MSD % Recov.:	100	105	100	103
RPD:	5.1	4.9	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20

LCS #:	5LCS070699	5LCS070699	5LCS070699	5LCS070699
Prepared Date:	7/6/99	7/6/99	7/6/99	7/6/99
Analyzed Date:	7/6/99	7/6/99	7/6/99	7/6/99
Instrument I.D.#:	HP-5	HP-5	HP-5	HP-5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	20	21	64
LCS % Recov.:	100	100	105	107

MS/MSD LCS Control Limits	70-130	70-130	70-130	70-130
---------------------------	--------	--------	--------	--------

SEQUOIA ANALYTICAL, #1271

Charlie Westwater
Project Manager

Please Note:

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

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference



BLAINE

TECH SERVICES INC.

1880 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

1906144

CONDUCT ANALYSIS TO DETECT

LAB S E S O U . A DHS # _____

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

EPA RWQCB REGION _____

LIA

OTHER

CHAIN OF CUSTODY
BTS # 990623-T2

CLIENT
MARK BORSUK

SITE
1432 HARRISON ST.
OAKLAND, CA

C = COMPOSITE ALL CONTAINERS

TPH-G (6015)
 BTEX (6020)

SPECIAL INSTRUCTIONS

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

SAMPLE I.D.	Date/Time	MATRIX S = SOIL W = H2O	CONTAINERS		C	TPH-G (6015)	BTEX (6020)									ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			TOTAL																	
MW1	6/23/99	W	3	-01		X	X													
MW2			3	-02		X	X													
MW4			3	-03		X	X													
MW5			3	-04		X	X													
MW6			3	-05		X	X													

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	6/23/99	1230	Mike Toll	STANDARD	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>m. Hall</i>	6/24/99	9:03	<i>[Signature]</i>	6/24/99	903
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	6/24/99	15250	<i>[Signature]</i>	06/24/99	14:50
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

WELL MONITORING DATA SHEET

Project #: 990623-T2	Client: M. Borsuk
Sampler: MT	Start Date: 6/23
Well I.D.: MW1	Well Diameter: 2 3 4 6 8
Total Well Depth: 25.00	Depth to Water: 13.00
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump

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
1200	68.3	6.9	879	7.8	—	okay

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1203 Sampling Date: 6/23

Sample I.D.: MW1 Laboratory: SEQ

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 #: 990623-T2	Client: M. Borsak
Sampler: MT	Start Date: 6/23
Well I.D.: MW2	Well Diameter: <input checked="" type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="checkbox"/> _____
Total Well Depth: 25.60	Depth to Water: 13.25
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>BYE</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer ~~Disposable Bailer~~ ~~Middleburg~~ ~~Electric Submersible~~ Extraction Pump

Sampling Method: Bailer Disposable Bailer Extraction Port

Other: _____

Other: _____

	(Gals.) X	=		Gals.
I 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
1208	68.4	7.0	923	6.1	-	odor

Did well dewater? Yes No Gallons actually evacuated: ~

Sampling Time: 1210 Sampling Date: 6/23

Sample I.D.: MW2 Laboratory: SEB

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

Equipment Blank I.D.: @ 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 #: <u>990623-T2</u>	Client: <u>V. Borsari</u>
Sampler: <u>MT</u>	Start Date: <u>6/23</u>
Well I.D.: <u>MW4</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>24.72</u>	Depth to Water: <u>17.53</u>
Before: _____ After: _____	Before: _____ After: _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Referenced to: <u>PVC</u> 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
<u>1153</u>	<u>68.0</u>	<u>6.9</u>	<u>903</u>	<u>7.8</u>	—	

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Time: 1155 Sampling Date: 6/23

Sample I.D.: MW4 Laboratory: SEQ

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

