

Mark Borsuk
Attorney at Law
mborsuk@ix.netcom.com
(415) 922-4740 / Fax 922-1485
1626 Vallejo Street
San Francisco, CA 94123-5116

August 20, 1998

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'98 Monitoring Report
1432 Harrison Street, Oakland, CA 94612
SITE ID 498

Dear Mr. Peacock:

Attached is the IIQ'98 groundwater monitoring report for the above location. If you have a question regarding the data, please contact me.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Mark Borsuk', with a long horizontal flourish extending to the right.

Mark Borsuk

BLAINE
TECH SERVICES INC.



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

August 14, 1998

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

Site:
1432 Harrison Street
Oakland, California

Date:
June 22, 1998

GROUNDWATER SAMPLING REPORT 980622-Y-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, 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 deionized 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 delivered to Sequoia Analytical Services in Redwood City, California. Sequoia is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory, and is listed as DOHS HMTL #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

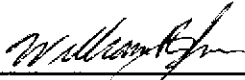
Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody and the certified analytical report issued by the Hazardous Materials Testing Laboratory.

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/dg

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

cc: Scott MacLeod
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	3,100	100,000	--	--
03/13/95	34.95	16.29	18.66	--	150,000	31,000	45,000	2,500	17,000	--	--
06/27/95	34.95	16.75	18.20	--	71,000	17,000	18,000	1,600	7,700	--	--
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	1,700	14,000	--	--
12/20/95	34.95	14.99	19.96	--	120,000	33,000	43,000	2,300	15,000	--	--
03/26/96	34.95	15.68	19.27	*	140,000	29,000	36,000	1,900	13,000	ND	--
06/20/96	34.95	16.31	18.64	*	110,000	30,000	38,000	2,200	13,000	ND	--
09/26/96	34.95	15.60	19.35	**	170,000	28,000	40,000	2,200	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	2,500	16,000	ND	--
03/31/97	34.95	16.15	18.80	*	160,000	24,000	39,000	1,900	13,000	ND	--
06/27/97	34.95	15.69	19.26	*	130,000	25,000	36,000	2,000	14,000	ND	--
09/09/97	34.95	15.25	19.70	*	99,000	22,000	27,000	1,600	13,000	270	--
12/18/97	34.95	15.70	19.25	***	160,000	30,000	44,000	2,200	15,000	ND	--
03/12/98	34.95	17.43	17.52	***	190,000	20,000	49,000	2,500	18,000	ND	--
06/22/98	34.95	16.32	18.63	--	90,000	19,000	40,000	2,100	16,000	--	--

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	3,500	22,000	--	--
03/13/95	35.18	16.03	19.15	--	500,000	9,200	23,000	7,000	36,000	--	--
06/27/95	35.18	16.44	18.74	--	120,000	23,000	30,000	2,700	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	2,500	11,000	--	--
12/20/95	35.18	14.94	20.24	--	83,000	980	1,800	2,200	10,000	--	--
03/26/96	35.18	15.49	19.69	*	150,000	23,000	32,000	2,800	12,000	ND	--
06/20/96	35.18	20.98	14.20	*	94,000	15,000	23,000	2,400	12,000	ND	--
09/26/96	35.18	15.38	19.80	**	150,000	20,000	29,000	2,800	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	3,100	11,000	1,700	8,100	220	--
03/31/97	35.18	15.51	19.67	*	38,000	6,000	7,900	690	3,300	ND	--
06/27/97	35.18	15.50	19.68	*	62,000	13,000	16,000	1,300	6,000	ND	--
09/09/97	35.18	14.98	20.20	***	81,000	16,000	18,000	1,800	8,600	ND	--
12/18/97	35.18	15.38	19.80	***	110,000	18,000	26,000	2,200	9,500	ND	--
03/12/98	35.18	17.11	18.07	***	120,000	16,000	26,000	2,200	9,400	ND	--
06/22/98	35.18	16.89	18.29	--	38,000	9,800	9,500	1,500	6,000	--	--

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	Gauge Only	--	--	--	--	--	--	--
12/20/95	33.97	15.23	18.74	Gauge Only	--	--	--	--	--	--	--
03/26/96	33.97	15.72	18.25	Gauge Only	--	--	--	--	--	--	--
06/20/96	33.97	15.62	18.35	Gauge Only	--	--	--	--	--	--	--
09/26/96	33.97	14.85	19.12	Gauge Only	--	--	--	--	--	--	--
10/28/96	33.97	14.86	19.11	Gauge Only	--	--	--	--	--	--	--
12/12/96	33.97	15.36	18.61	Gauge Only	--	--	--	--	--	--	--
03/31/97	33.97	15.62	18.35	Gauge Only	--	--	--	--	--	--	--
06/27/97	33.97	15.16	18.81	Gauge Only	--	--	--	--	--	--	--
09/09/97	33.97	14.79	19.18	Gauge Only	--	--	--	--	--	--	--
12/18/97	33.97	15.33	18.64	Gauge Only	--	--	--	--	--	--	--
03/12/98	33.97	16.41	17.56	Gauge Only	--	--	--	--	--	--	--
06/22/98	33.97	15.33	18.64	Gauge Only	--	--	--	--	--	--	--
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	4,200	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	*	7,400	5,000	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	***	1,300	410	21	ND	57	ND	--
06/22/98	30.77	13.14	17.63	--	ND	ND	ND	ND	ND	--	--

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-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	--	--
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	--	--

*=MTBE results by EPA method 8020.

**=MTBE results by EPA method 8240.

***=MTBE results by EPA method 8260.

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

C A M B R I A

August 4, 1998

Kent Brown
Blaine Tech Services
1680 Rogers Avenue
San Jose, California 95112

Re: **Second Quarter 1998 Monitoring Report**
1432 Harrison Street
Oakland, California
Cambria Project #18-214



Dear Mr. Brown:

As you requested, Cambria Environmental Technology, Inc. (Cambria) has summarized the results of the second quarter 1998 ground water sampling at the site referenced above. Presented below are sampling activities performed in the second quarter 1998, the hydrocarbon distribution in ground water, and the anticipated third quarter 1998 activities.

SECOND QUARTER 1998 ACTIVITIES AND RESULTS

Ground Water Sampling: On June 22, 1998, Blaine Tech Services (Blaine) gauged all site wells and collected ground water samples from site wells MW-1, MW-2, MW-4, MW-5, and MW-6. Ground water elevations are shown on Figure 1.

Corrective Action Plan (CAP): Cambria is awaiting cost pre-approval from the state clean up fund to implement the CAP.

Hydrocarbon Distribution In Ground Water

Hydrocarbon concentrations decreased in wells MW-1, MW-2, MW-4, and MW-5, since the first quarter 1998. Ground water 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. The down gradient extent is defined to below method detection limits by well MW-4 and MW-5. The southern up-gradient extent is defined by MW-6, in which no hydrocarbons were detected during this sampling event.

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

Mr. Kent Brown
August 4, 1998

C A M B R I A

ANTICIPATED THIRD QUARTER 1998 ACTIVITIES

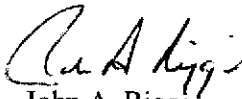
Ground Water Sampling: Blaine will gauge all site wells and collect ground water samples from wells MW-1, MW-2, MW-4, MW-5, and MW-6. Cambria will prepare a ground water monitoring report summarizing the sampling data.

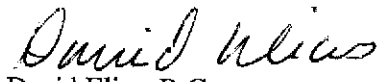
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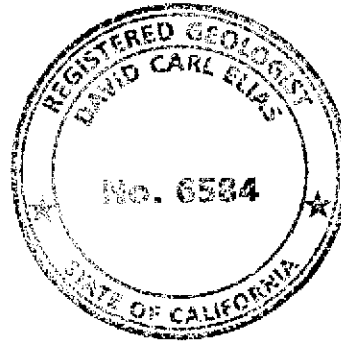
We appreciate this opportunity to provide environmental consulting services to Blaine Tech Services. Please call if you have any questions or comments.



Sincerely,
Cambria Environmental Technology, Inc.

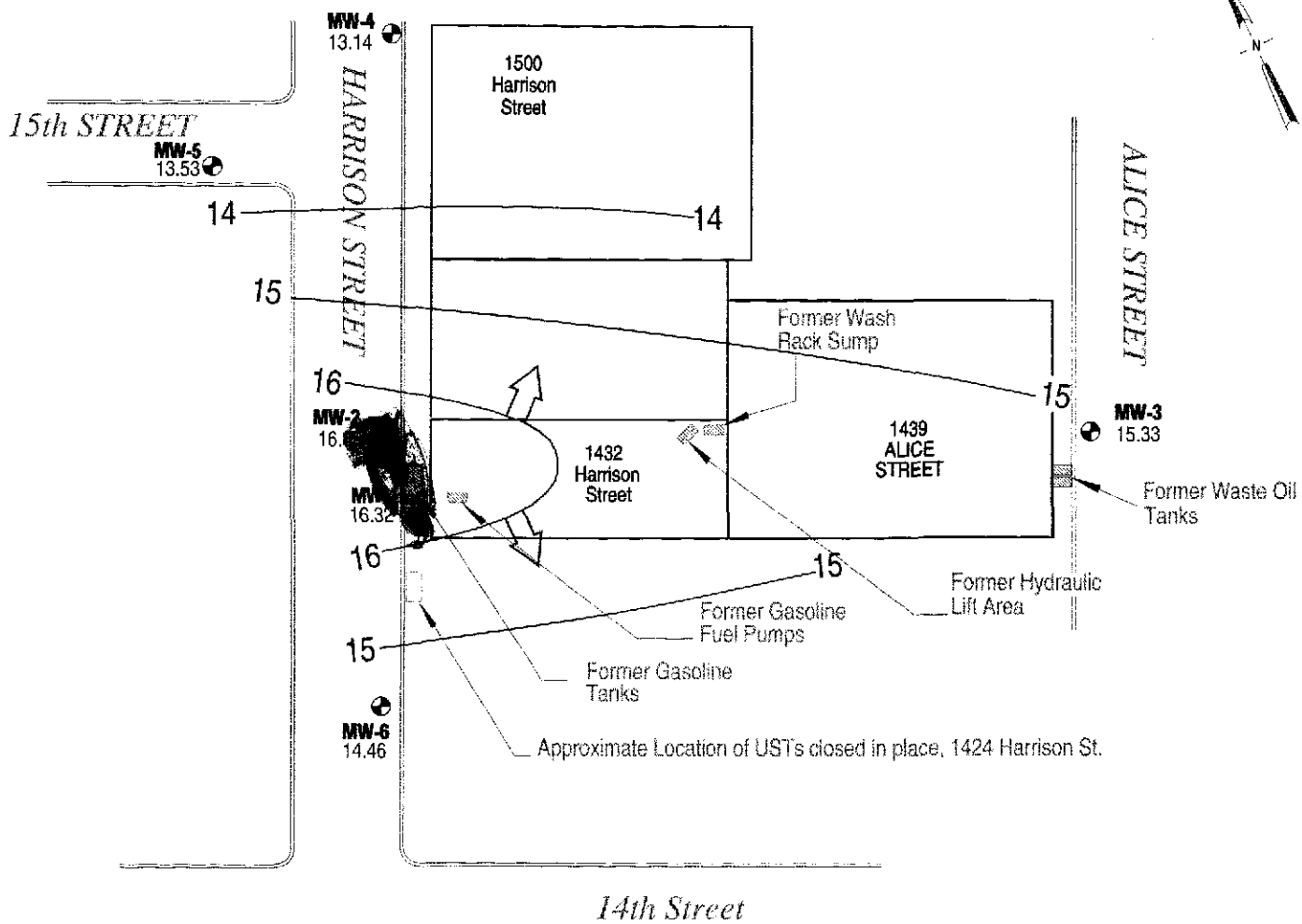

John A. Riggi
Staff Geologist


David Elias, R.G.
Senior Geologist



Attachment: A - Analytical Results for Ground Water Sampling

H:\SB-2004\Oak1-188-Borsuk\QM\QM-2-98.wpd



EXPLANATION

- MW-3 Ground Water Monitoring Well
- xx.xx Ground Water Elevation, Feet Above Mean Sea Level (msl)
- Ground Water Contour, Feet Above Mean Sea Level (msl), Dashed Where Inferred
- ➔ Ground Water Flow Direction



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



1432 Harrison Street
Oakland, California

Ground Water Elevation
Contours
June 22, 1998

FIGURE

1

Attachment A

Analytical Results for Ground Water



**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite B
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
Petaluma, CA 94954

(650) 364-9600
(925) 988-9600
(916) 921-9600
(707) 792-1865

FAX (650) 364-9233
FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Mark Borsuk/ 980622-Y2 Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806E87-01	Sampled: 06/22/98 Received: 06/23/98 Analyzed: 07/07/98 Reported: 07/14/98
--	---	---

QC Batch Number: GC070798BTEX02A
Instrument ID: GCHP2

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	90000
Benzene	100	19000
Toluene	100	40000
Ethyl Benzene	100	2100
Xylenes (Total)	100	16000
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	113

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Kent Brown	Client Proj. ID: Mark Borsuk/ 980622-Y2 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806E87-02	Sampled: 06/22/98 Received: 06/23/98 Analyzed: 07/06/98 Reported: 07/14/98
---	---	---

QC Batch Number: GC070698BTEX05A
Instrument ID: GCHP5

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	38000
Benzene	50	9800
Toluene	50	9500
Ethyl Benzene	50	1500
Xylenes (Total)	50	6000
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	73

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271

Peggy Penner
Project Manager





**Sequoia
Analytical**

680 Chesapeake Drive
404 N. Wiget Lane
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FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Mark Borsuk/ 980622-Y2 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806E87-04	Sampled: 06/22/98 Received: 06/23/98 Analyzed: 07/06/98 Reported: 07/14/98
Attention: Kent Brown		

QC Batch Number: GC070698BTEX05A
Instrument ID: GCHP5

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	77

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Mark Borsuk/ 980622-Y2 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806E87-05	Sampled: 06/22/98 Received: 06/23/98 Analyzed: 07/06/98 Reported: 07/14/98
Attention: Kent Brown		

QC Batch Number: GC070698BTEX05A
Instrument ID: GCHP5

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	83

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271


Peggy Penner
Project Manager





Sequoia Analytical

680 Chesapeake Drive
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FAX (925) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Mark Borsuk/ 980622-Y2 Sample Descript: MW-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9806E87-06	Sampled: 06/22/98 Received: 06/23/98 Analyzed: 07/06/98 Reported: 07/14/98
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QC Batch Number: GC070698BTEX05A
Instrument ID: GCHP5

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	72

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1271


Peggy Penner
Project Manager





Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Kent Brown

Client Project ID: Mark Borsuk/ 980622-Y2
Matrix: Liquid

Work Order #: 9806E87 -01

Reported: Jul 15, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC070798802002A	GC070798802002A	GC070798802002A	GC070798802002A	GC070798802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	8062414	8062414	8062414	8062414	8062414
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/7/98	7/7/98	7/7/98	7/7/98	7/7/98
Analyzed Date:	7/7/98	7/7/98	7/7/98	7/7/98	7/7/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	320 µg/L
Result:	21	21	23	68	340
MS % Recovery:	105	105	115	113	106
Dup. Result:	19	20	20	63	330
MSD % Recov.:	95	100	100	105	103
RPD:	10	4.9	14	7.6	3.0
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS070798	LCS070798	LCS070798	LCS070798	LCS070798
Prepared Date:	7/7/98	7/7/98	7/7/98	7/7/98	7/7/98
Analyzed Date:	7/7/98	7/7/98	7/7/98	7/7/98	7/7/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	320 µg/L
LCS Result:	19	20	20	62	330
LCS % Recov.:	95	100	100	103	103

MS/MSD	60-140	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130	60-140
Control Limits					

SEQUOIA ANALYTICAL
Elap # 1271

Peggy Penner
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

9806E87.BLA <1>





Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Kent Brown

Client Project ID: Mark Borsuk/ 980622-Y2
Matrix: Liquid

Work Order #: 9806E87-02, 04-06

Reported: Jul 15, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC070298802005A	GC070298802005A	GC070298802005A	GC070298802005A	GC070298802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	8062185	8062185	8062185	8062185	8062185
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Analyzed Date:	7/6/98	7/6/98	7/6/98	7/6/98	7/6/98
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	240 µg/L
Result:	19	20	20	60	240
MS % Recovery:	95	100	100	100	100
Dup. Result:	16	17	16	52	190
MSD % Recov.:	80	85	80	87	79
RPD:	17.1	16.2	22.2	14.3	23.3
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS070298	LCS070298	LCS070298	LCS070298	LCS070298
Prepared Date:	7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Analyzed Date:	7/6/98	7/6/98	7/6/98	7/6/98	7/6/98
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	240 µg/L
LCS Result:	17	19	19	59	240
LCS % Recov.:	85	95	95	98	100

MS/MSD	60-140	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130	60-140
Control Limits					

SEQUOIA ANALYTICAL
Elap #1271

Peggy Fenner
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

9806E87.BLA <2>





**Sequoia
Analytical**

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Kent Brown

Client Proj. ID: Mark Borsuk/ 980622-Y2
Lab Proj. ID: 9806E87

Received: 06/23/98
Reported: 07/14/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 8 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager



BLAINE TECH SERVICES INC.

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

CONDUCT ANALYSIS TO DETECT

LAB SEQUOIA DHS # _____
ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS
SET BY CALIFORNIA DHS AND

EPA RWQCB REGION _____
 LIA
 OTHER

9806 E87

SPECIAL INSTRUCTIONS *Invoice & Report
to BLAINE Tech Services
ATTN: KENT BROWN*

CHAIN OF CUSTODY
980622 Y2
CLIENT MARK BOZSOK
SITE HARRISON Street Garage
1432 HARRISON ST.
OAKLAND, CA.

C = COMPOSITE ALL CONTAINERS

TPH-CAS, BTEX

MATRIX CONTAINERS

S = SOIL
W = H2O

TOTAL

SAMPLE I.D.

SAMPLE I.D.	MATRIX	TOTAL	C = COMPOSITE ALL CONTAINERS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
✓ MW 1 01	W	3	X				
✓ MW 2 02		3	X				
✓ MW 4 03		3	X				
✓ MWS 04		3	X				
✓ MW 6 05		3	X				

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	6/22/98	1600	BROOKS TAYLOR	Routine	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	6/23/98	9:45		6/23/98	9:45
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	6/23				
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
				6/23/98	11:47
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		
		11:47			

WELL MONITORING DATA SHEET

Project #: <u>980622 Y2</u>	Client: <u>MARK BORSUK</u>
Sampler: <u>B. TAYLOR</u>	Start Date: <u>6/22/98</u>
Well I.D.: <u>MW1</u>	Well Diameter: (circle one) 2 3 <u>4</u> 6
Total Well Depth: Before <u>25.13</u> After	Depth to Water: Before <u>18.63</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	PVC Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

	X		=	gallons
1 Case Volume		Specified Volumes		

Purging: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: <u>no pump</u>	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
--	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1540</u>	<u>66.4</u>	<u>7.8</u>	<u>480</u>	<u>140</u>		

Did Well Dewater?	If yes, gals.:	Gallons Actually Evacuated: <u> </u>
Sampling Time: <u>1540</u>	Sampling Date: <u>6/22/98</u>	
Sample I.D.: <u>MW1</u>	Laboratory: <u>SEQ</u>	
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:		
Duplicate I.D.:	Cleaning Blank I.D.:	
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:		

WELL MONITORING DATA SHEET

Project #: <u>6 980622 Y2</u>	Client: <u>MARK BORSON</u>
Sampler: <u>B. TAYLOR</u>	Start Date: <u>6/22/98</u>
Well I.D.: <u>MW 2</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>25.82</u> After	Depth to Water: Before <u>18.29</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	PVC Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u> </u> X	<u> </u>	=	<u> </u> gallons
1 Case Volume	Specified Volumes		

Purging: Bailer
 Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other No Purge

Sampling: Bailer
 Disposable Bailer
 Extraction Port
 Other _____

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1530</u>	<u>68.4</u>	<u>7.8</u>	<u>1700</u>	<u>60</u>	<u> </u>	

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: <u>1530</u>	Sampling Date: <u>6/22/98</u>
Sample I.D.: <u>MW 2</u>	Laboratory: <u>SEQ</u>
Analyzed for: <u>(TPH-G)</u> <u>(BTEX)</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)	

WELL MONITORING DATA SHEET

Project #: 980622 Y2 Client: MARK BOXSUK
 Sampler: B. TAYLOR Start Date: 6/22/98
 Well I.D.: MWS Well Diameter: (circle one) 2 3 4 6
 Total Well Depth: Before 28.94 After _____ Depth to Water: Before 18.08 After _____
 Depth to Free Product: _____ Thickness of Free Product (feet): _____
 Measurements referenced to: PVC Grade Other: _____

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

 x = gallons
 1 Case Volume Specified Volumes

Purging: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: No Purge
 Sampling: Bailer Disposable Bailer Extraction Port Other: _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1515	67.6	7.8	1300	120		

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: 15:15 Sampling Date: 6/22/98

Sample I.D.: MWS Laboratory: SEQ

Analyzed for: TPH-G BTEX TPH-D OTHER:

Duplicate I.D.: _____ Cleaning Blank I.D.: _____

Analyzed for: TPH-G BTEX TPH-D OTHER:

WELL MONITORING DATA SHEET

Project #: <u>980622 Y2</u>	Client: <u>MARK ADKSVK</u>
Sampler: <u>B. TAYLOR</u>	Start Date: <u>6/22/98</u>
Well I.D.: <u>MW6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>28.38</u> After	Depth to Water: Before <u>18.43</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	PVC Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume Specified Volumes = _____ gallons

Purging: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: <u>No Purge</u>	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
---	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>15:05</u>	<u>68.7</u>	<u>7.8</u>	<u>1800</u>	<u>110</u>	<u>/</u>	

Did Well Dewater? If yes, gals. Gallons Actually Evacuated: _____

Sampling Time: 1505 Sampling Date: 6/22/98

Sample I.D.: MW6 Laboratory: S&Q

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: