

ENVIRONMENTAL
PROTECTION

98 FEB 24 PM 3:28

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

February 21, 1998

Mr. Thomas Peacock
Supervising HMS, LOP
ACHCSA
1131 Harbor Bay Parkway
Alameda, CA 94501
(510) 567-6700 / FAX 337-9335
76325.3440@compuserve.com

SUBJECT: IVQ'97 Monitoring Report
1432 Harrison Street, Oakland, CA 94612
SITE ID 498

Dear Mr. Peacock:

Attached is the IVQ'97 groundwater monitoring report for the above location. You expressed concern on December 26, 1997, over the possible presence of MTBE in MW-1, MW-2 and MW-4. The IVQ'97 sampling using the EPA 8260 protocol disclosed the IIIQ'97 results were false positives. Sampling for MTBE will continue.

If you have a question on the data, please contact me.

Sincerely yours,



Mark Borsuk

BLAINE
TECH SERVICES INC.

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



February 16, 1998

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

Site:
1432 Harrison Street
Oakland, California

Date:
December 18, 1997

GROUNDWATER SAMPLING REPORT 971218-Z-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 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 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 Teflon or stainless steel and is used as an evacuation and/or sampling device.

Bailers are inexpensive and relatively easy to clean. Because they are manually operated, variations in operator technique may have a greater influence than would be found with more automated sampling equipment. Also where fuel hydrocarbons are involved, the bailer may include near surface contaminants that are not representative of water 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 Legend Analytical Services in Santa Rosa, California. Legend is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory, and is listed as DOHS HMTL #1386.

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: Richard Hiatt

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.


Kent Brown

KEB/aa

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

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



January 28, 1998

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

Re: **Fourth Quarter 1997 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 fourth quarter 1997 ground water sampling at the site referenced above. Presented below are sampling activities performed in the fourth quarter 1997, the anticipated first quarter 1998 activities, and the hydrocarbon distribution in ground water.

FOURTH QUARTER 1997 ACTIVITIES

Ground Water Sampling: On December 18, 1997, 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. No sampling of site well MW-3 is required at this time. Ground water elevations are shown on Figure 1.

Corrective Action Plan (CAP): Cambria prepared a CAP for the site dated December 29, 1997, and submitted it for approval.

CAMBRIA
ENVIRONMENTAL
TECHNOLOGY, INC.

ANTICIPATED FIRST QUARTER 1998 ACTIVITIES

1144 65TH STREET,
SUITE B
OAKLAND,
CA 94608

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

Corrective Action Plan: Cambria will begin implementing the December 29, 1997 CAP upon approval.

PH: (510) 420-0700
FAX: (510) 420-9170

Kent Brown
January 28, 1998

CAMBRIA

HYDROCARBON DISTRIBUTION IN GROUND WATER

Ground water analytic 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 cross gradient horizontal extent is defined to below or near method detection limits by wells MW-3 and MW-5. The southern down gradient extent is defined by MW-6, in which no hydrocarbons were detected during this sampling event. Hydrocarbon concentrations in well MW-4, installed fourth quarter 1996, continue to fluctuate. Continued monitoring of well MW-4 will assess whether the northern down gradient hydrocarbon extent is fully defined.

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.

Aubrey K. Cool

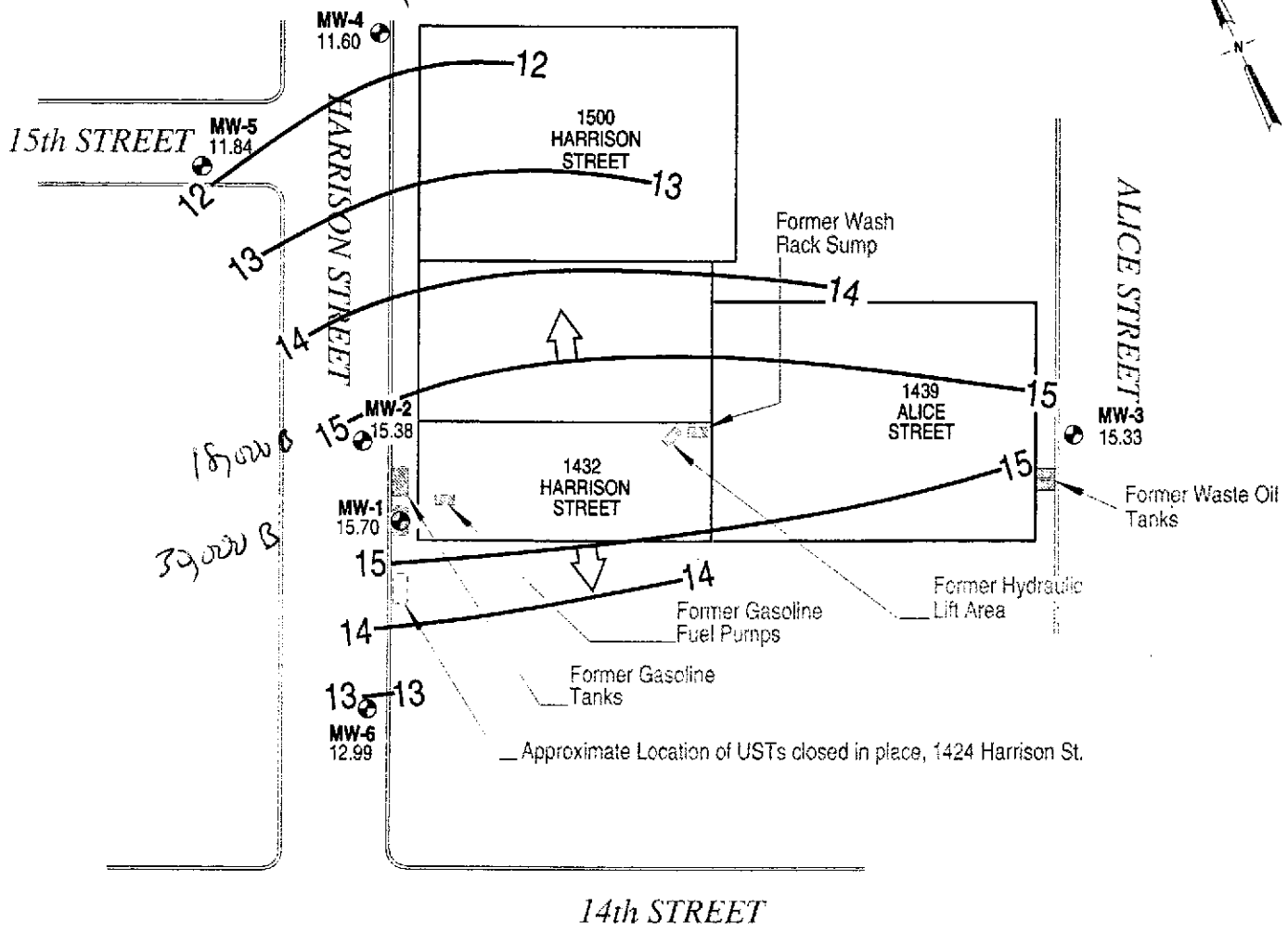
Aubrey K. Cool
Staff Geologist

Owen Ratchye
Owen Ratchye, P.E.
Project Engineer



F:\PROJECTS\SB-2004\OAKL-188\QM\QM-4-97.WPD

Large sheet in Sep 97



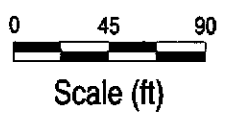
EXPLANATION

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.

<p>CAMBRIA Environmental Technology, Inc.</p>	<p>1432 Harrison Street Oakland, California</p>	<p>Ground Water Elevation Contours December 18, 1997</p>	<p>FIGURE 1</p>
--	---	--	----------------------------

TABLE OF WELL MONITORING DATA

Well I.D.	MW-1	MW-1	MW-1
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	4	4	4
Total Well Depth (ft.)	25.00	25.05	25.08
Depth To Water (ft.)	19.26	19.70	19.25
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	--	--	--
1 Case Volume (gal.)	NOT PURGED	NOT PURGED	NOT PURGED
Did Well Dewater?	--	--	--
Gallons Actually Evacuated	--	--	--
Purging Device	NONE	NONE	NONE
Sampling Device	BAILER	BAILER	BAILER
Time	14:50	14:00	14:18
Temperature (Fahrenheit)	76.2	71.4	69.6
pH	7.4	6.8	6.5
Conductivity (micromhos/cm)	400	900	600
BTS Chain of Custody	970627-X2	970909-S2	971218-Z2
BTS Sample I.D.	MW-1	MW-1	MW-1
DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Analysis	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX, MTBE, MTBE (8260)

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Laboratory Sample I.D.	276433	278119	280419
TPH Gasoline	130,000	99,000	160,000
Benzene	25,000	22,000	30,000
Toluene	36,000	27,000	44,000
Ethyl Benzene	2,000	1,600	2,200
Xylene Isomers	14,000	13,000	15,000
Methyl-tert-butyl ether (MTBE)	ND	270	--
MTBE by EPA 8260	--	--	ND

In the interest of clarity, an addendum has been added to the TABLE which lists analytical results in such a way that our field observations are presented together with the analytical results. This addendum is entitled a **SUMMARY OF CAR RESULTS**. As indicated by the title, the source documents for these numbers are the laboratory's certified analytical reports. These **certified analytical reports (CARs)** are generated by the laboratory as the sole official documents in which they issue their findings. Any discrepancy between the CAR and a tabular or text presentation of analytical values must be decided in favor of the CAR on the grounds that the CAR is the authoritative legal document.

TABLE OF WELL MONITORING DATA

Well I.D.	MW-2	MW-2	MW-2
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	25.57	25.62	25.63
Depth To Water (ft.)	19.68	20.20	19.80
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	--	--	--
1 Case Volume (gal.)	NOT PURGED	NOT PURGED	NOT PURGED
Did Well Dewater?	--	--	--
Gallons Actually Evacuated	--	--	--
Purging Device	NONE	NONE	NONE
Sampling Device	BAILER	BAILER	BAILER
Time	14:36	13:45	13:59
Temperature (Fahrenheit)	69.0	73.2	70.4
pH	7.4	6.8	6.6
Conductivity (micromhos/cm)	440	1100	860
BTS Chain of Custody	970627-X2	970909-S2	971218-Z2
BTS Sample I.D.	MW-2	MW-2	MW-2
DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Analysis	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX, MTBE, MTBE (8260)	TPH-GAS, BTEX, MTBE, MTBE (8260)

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Laboratory Sample I.D.	276434	278120	280420
TPH Gasoline	62,000	81,000	110,000
Benzene	13,000	16,000	18,000
Toluene	16,000	18,000	26,000
Ethyl Benzene	1,300	1,800	2,200
Xylene Isomers	6,000	8,600	9,500
Methyl-tert-butyl ether (MTBE)	ND	220	--
MTBE by EPA 8260	ND	ND	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-3	MW-3	MW-3
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	23.87	23.88	23.90
Depth To Water (ft.)	18.81	19.18	18.64
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	GAUGE ONLY	GAUGE ONLY	GAUGE ONLY
1 Case Volume (gal.)			
Did Well Dewater?			
Gallons Actually Evacuated			
Purging Device			
Sampling Device			
Time			
Temperature (Fahrenheit)			
pH			
Conductivity (micromhos/cm)			
BTS Chain of Custody			
BTS Sample I.D.			
DOHS HMTL Laboratory			
Analysis			

TABLE OF WELL MONITORING DATA

Well I.D.	MW-4	MW-4	MW-4
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	24.78	24.85	24.83
Depth To Water (ft.)	19.08	19.33	19.17
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	--	--	--
1 Case Volume (gal.)	NOT PURGED	NOT PURGED	NOT PURGED
Did Well Dewater?	--	--	--
Gallons Actually Evacuated	--	--	--
Purging Device	NONE	NONE	NONE
Sampling Device	BAILER	BAILER	BAILER
Time	14:22	13:17	13:43
Temperature (Fahrenheit)	68.0	69.4	70.2
pH	7.2	6.7	6.5
Conductivity (micromhos/cm)	480	1500	910
BTS Chain of Custody	970627-X2	970909-S2	971218-Z2
BTS Sample I.D.	MW-4	MW-4	MW-4
DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Analysis	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX, MTBE, MTBE (8260)

S U M M A R Y O F C A R R E S U L T S in parts per billion unless otherwise noted

DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Laboratory Sample I.D.	276435	278121	280421
TPH Gasoline	160	7,400 <i>A</i>	710
Benzene	49	5,000	170 <i>→</i>
Toluene	1.2	410	8.0
Ethyl Benzene	ND	230	ND
Xylene Isomers	5.9	470	39
Methyl-tert-butyl ether (MTBE)	ND	33	--
MTBE by EPA 8260	--	--	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-5	MW-5	MW-5
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	28.72	28.90	28.87
Depth To Water (ft.)	19.16	19.93	19.77
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	--	--	--
1 Case Volume (gal.)	NOT PURGED	NOT PURGED	NOT PURGED
Did Well Dewater?	--	--	--
Gallons Actually Evacuated	--	--	--
Purging Device	NONE	NONE	NONE
Sampling Device	BAILER	BAILER	BAILER
Time	14:08	13:05	13:28
Temperature (Fahrenheit)	69.8	65.8	67.0
pH	7.4	6.9	6.6
Conductivity (micromhos/cm)	720	1400	790
BTS Chain of Custody	970627-X2	970909-S2	971218-Z2
BTS Sample I.D.	MW-5	MW-5	MW-5
DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Analysis	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX & MTBE	TPH-GAS, BTEX & MTBE

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted
--

DOHS HMTL Laboratory	LEGEND	LEGEND	LEGEND
Laboratory Sample I.D.	276436	278122	280422
TPH Gasoline	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
Xylene Isomers	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	ND	ND	--
MTBE by EPA 8260	--	--	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-6	MW-6	MW-6
Date Sampled	06/27/97	09/09/97	12/18/97
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	28.28	28.32	28.36
Depth To Water (ft.)	19.76	20.06	19.90
Free Product (in.)	--	NONE	NONE
Reason If Not Sampled	GAUGE ONLY	--	--
1 Case Volume (gal.)		NO PURGE	NO PURGE
Did Well Dewater?		--	--
Gallons Actually Evacuated		--	--
Purging Device		NONE	NONE
Sampling Device		BAILER	BAILER
Time		12:50	13:15
Temperature (Fahrenheit)		69.6	69.0
pH		7.8	6.6
Conductivity (micromhos/cm)		2000	1280
BTS Chain of Custody		970909-S2	971218-22
BTS Sample I.D.		MW-6	MW-6
DOHS HMTL Laboratory		LEGEND	LEGEND
Analysis		TPH-GAS, BTEX & MTBE	BTEX

S U M M A R Y O F C A R R E S U L T S in parts per billion unless otherwise noted

DOHS HMTL Laboratory	LEGEND	LEGEND
Laboratory Sample I.D.	278123	280423
TPH Gasoline	ND	--
Benzene	ND	ND
Toluene	ND	ND
Ethyl Benzene	ND	ND
Xylene Isomers	ND	ND
Methyl-tert-butyl ether (MTBE)	ND	--

LEGEND

Analytical Services

3636 N. Laughlin Road, Suite 110 Santa Rosa, California 95403 707.526.7200 Fax 707.541.2333 E-Mail: info@legendlab.com

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

Date: 01/05/1998
LEGEND Client Acct. No: 43200
LEGEND Job No: 97.02316
Received: 12/20/1997

Client Reference Information

Mark Borsuk/Harrison St. Garage/Project #971218-Z2

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Facsimile transmission of this report is non-confidential. If received in error, please contact sender immediately at the number listed and return the information to us by mail. Please refer to the enclosed "Key to Result Flags" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2313.

Submitted by:



Ned Engleson
Project Manager

Enclosure (s)

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 2

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-22

SAMPLE DESCRIPTION: MW-1

Date Taken: 12/18/1997

Time Taken: 14:15

LEGEND Sample No: 280419

Parameter	Results	Flags	Reporting			Date Extracted	Date Analyzed	Run Batch No.
			Limit	Units	Method			
TPH (Gas/BTXE,Liquid)								
5030/M8015	--						12/30/1997	3930
DILUTION FACTOR*	1,000						12/30/1997	3930
as Gasoline	160		50	mg/L	5030		12/30/1997	3930
8020 (GC,Liquid)								
Benzene	30,000		500	ug/L	8020		12/30/1997	3930
Toluene	44,000		500	ug/L	8020		12/30/1997	3930
Ethylbenzene	2,200		500	ug/L	8020		12/30/1997	3930
Xylenes (Total)	15,000		500	ug/L	8020		12/30/1997	3930
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	95			% Rec.	5030		12/30/1997	3930
8260 (GCMS, Liquid)								
DILUTION FACTOR*	100	NI					12/31/1997	17
Methyl-tert-butyl ether	ND		100	ug/L	8260		12/31/1997	17
SURROGATE RESULTS								
4-Bromofluorobenzene (SURR)	112			% Rec.	8260		12/31/1997	17
Toluene-d8 (SURR)	101			% Rec.	8260		12/31/1997	17
1,2-Dichloroethane-d4 (SURR)	118			% Rec.	8260		12/31/1997	17

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 3

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-22

SAMPLE DESCRIPTION: MW-2
 Date Taken: 12/18/1997
 Time Taken: 13:55
 LEGEND Sample No: 280420

Parameter	Results	Flags	Reporting			Date Extracted	Date Analyzed	Run Batch No.
			Limit	Units	Method			
TPH (Gas/BTEX, Liquid)								
5030/M8015	--						12/30/1997	3930
DILUTION FACTOR*	500						12/30/1997	3930
as Gasoline	110		25	mg/L	5030		12/30/1997	3930
8020 (GC, Liquid)								
Benzene	18,000		250	ug/L	8020		12/30/1997	3930
Toluene	26,000	FI	500	ug/L	8020		12/31/1997	3931
Ethylbenzene	2,200		250	ug/L	8020		12/30/1997	3930
Xylenes (Total)	9,500		250	ug/L	8020		12/30/1997	3930
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	SR			% Rec.	5030		12/30/1997	3930
8260 (GCMS, Liquid)								
DILUTION FACTOR*	5	MI					12/30/1997	18
Methyl-tert-butyl ether	ND		5	ug/L	8260		12/30/1997	18
SURROGATE RESULTS								
4-Bromofluorobenzene (SURR)	100			% Rec.	8260		12/30/1997	18
Toluene-d8 (SURR)	94			% Rec.	8260		12/30/1997	18
1,2-Dichloroethane-d4 (SURR)	130	S2		% Rec.	8260		12/30/1997	18

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 4

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-22

SAMPLE DESCRIPTION: MW-4
 Date Taken: 12/18/1997
 Time Taken: 13:40
 LEGEND Sample No: 280421

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
TPH (Gas/BTXE, Liquid)								
5030/M8015	--						12/30/1997	3930
DILUTION FACTOR*	10						12/30/1997	3930
as Gasoline	0.71		0.50	mg/L	5030		12/30/1997	3930
8020 (GC, Liquid)								
Benzene	170		5.0	ug/L	8020		12/30/1997	3930
Toluene	8.0		5.0	ug/L	8020		12/30/1997	3930
Ethylbenzene	ND		5.0	ug/L	8020		12/30/1997	3930
Xylenes (Total)	39		5.0	ug/L	8020		12/30/1997	3930
SURROGATE RESULTS								
Bromofluorobenzene (SURR)	95			% Rec.	5030		12/30/1997	3930
8260 (GCMS, Liquid)								
DILUTION FACTOR*	1						12/30/1997	18
Methyl-tert-butyl ether	ND		1.0	ug/L	8260		12/30/1997	18
SURROGATE RESULTS								
4-Bromofluorobenzene (SURR)	114			% Rec.	8260		12/30/1997	18
Toluene-d8 (SURR)	99			% Rec.	8260		12/30/1997	18
1,2-Dichloroethane-d4 (SURR)	124	S2		% Rec.	8260		12/30/1997	18

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
Client Acct: 43200
LEGEND Job No: 97.02316

Date: 01/05/1998
ELAP Cert: 2193
Page: 5

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

SAMPLE DESCRIPTION: MW-5
Date Taken: 12/18/1997
Time Taken: 13:25
LEGEND Sample No: 280422

Parameter	Results	Flags	Reporting			Method	Date	Date	Run
			Limit	Units	Extracted		Analyzed	Batch No.	
TPH (Gas/BTXE,Liquid)									
5030/M8015	--						12/30/1997	3930	
DILUTION FACTOR*	1						12/30/1997	3930	
as Gasoline	ND		0.050	mg/L	5030		12/30/1997	3930	
8020 (GC,Liquid)	--						12/30/1997	3930	
Benzene	ND		0.50	ug/L	8020		12/30/1997	3930	
Toluene	ND		0.50	ug/L	8020		12/30/1997	3930	
Ethylbenzene	ND		0.50	ug/L	8020		12/30/1997	3930	
Xylenes (Total)	ND		0.50	ug/L	8020		12/30/1997	3930	
SURROGATE RESULTS	--						12/30/1997	3930	
Bromofluorobenzene (SURR)	96			% Rec.	5030		12/30/1997	3930	
8260 (GCMS, Liquid)									
DILUTION FACTOR*	1						12/29/1997	16	
Methyl-tert-butyl ether	ND		1.0	ug/L	8260		12/29/1997	16	
SURROGATE RESULTS	--						12/29/1997	16	
4-Bromofluorobenzene (SURR)	107			% Rec.	8260		12/29/1997	16	
Toluene-d8 (SURR)	97.4			% Rec.	8260		12/29/1997	16	
1,2-Dichloroethane-d4 (SURR)	111			% Rec.	8260		12/29/1997	16	

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
Client Acct: 43200
LEGEND Job No: 97.02316

Date: 01/05/1998
ELAP Cert: 2193
Page: 6

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-22

SAMPLE DESCRIPTION: MW-6

Date Taken: 12/18/1997

Time Taken: 13:10

LEGEND Sample No: 280423

Parameter	Results	Flags	Reporting			Date	Date	Run
			Limit	Units	Method	Extracted	Analyzed	Batch No.
8020 (GC,Liquid)								
DILUTION FACTOR*	1						12/30/1997	3930
Benzene	ND		0.50	ug/L	8020		12/30/1997	3930
Toluene	ND		0.50	ug/L	8020		12/30/1997	3930
Ethylbenzene	ND		0.50	ug/L	8020		12/30/1997	3930
Xylenes (Total)	ND		0.50	ug/L	8020		12/30/1997	3930
SURROGATE RESULTS	--						12/30/1997	3930
Bromofluorobenzene (SURR)	96			% Rec.	8020		12/30/1997	3930

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 7

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected					
TPH (Gas/BTXE,Liquid)								
as Gasoline	98.4	0.492	0.50		mg/L	12/30/1997	cjy	3930
Benzene	98.3	19.66	20.0		ug/L	12/30/1997	cjy	3930
Toluene	98.3	19.67	20.0		ug/L	12/30/1997	cjy	3930
Ethylbenzene	99.1	19.82	20.0		ug/L	12/30/1997	cjy	3930
Xylenes (Total)	99.8	59.88	60.0		ug/L	12/30/1997	cjy	3930
Methyl-tert-butyl ether		--	80.0		ug/L	12/30/1997	cjy	3930
Bromofluorobenzene (SURR)	96.0	96	100		% Rec.	12/30/1997	cjy	3930
TPH (Gas/BTXE,Liquid)								
as Gasoline	93.8	0.469	0.50		mg/L	12/31/1997	cjy	3930
Benzene	97.3	19.47	20.0		ug/L	12/31/1997	cjy	3930
Toluene	95.3	19.06	20.0		ug/L	12/31/1997	cjy	3930
Ethylbenzene	96.8	19.35	20.0		ug/L	12/31/1997	cjy	3930
Xylenes (Total)	97.3	58.37	60.0		ug/L	12/31/1997	cjy	3930
Methyl-tert-butyl ether		--	80.0		ug/L	12/31/1997	cjy	3930
Bromofluorobenzene (SURR)	94.0	94	100		% Rec.	12/31/1997	cjy	3930
TPH (Gas/BTXE,Liquid)								
as Gasoline	98.6	0.493	0.50		mg/L	12/31/1997	aal	3931
Benzene	99.4	19.88	20.0		ug/L	12/31/1997	aal	3931
Toluene	97.3	19.45	20.0		ug/L	12/31/1997	aal	3931
Ethylbenzene	98.9	19.78	20.0		ug/L	12/31/1997	aal	3931
Xylenes (Total)	99.8	59.87	60.0		ug/L	12/31/1997	aal	3931
Methyl-tert-butyl ether		--	80.0		ug/L	12/31/1997	aal	3931
Bromofluorobenzene (SURR)	96.0	96	100		% Rec.	12/31/1997	aal	3931

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 8

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV	CCV	CCV	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
	Standard % Recovery	Standard Amount Found	Standard Amount Expected					
8260 (GCMS, Liquid)								
Methyl-tert-butyl ether	117.0	11.7	10.0		ug/L	12/29/1997	cjy	16
4-Bromofluorobenzene (SURR)	104.0	104	100		% Rec.	12/29/1997	cjy	16
Toluene-d8 (SURR)	100.0	100	100		% Rec.	12/29/1997	cjy	16
1,2-Dichloroethane-d4 (SURR)	110.0	110	100		% Rec.	12/29/1997	cjy	16
8260 (GCMS, Liquid)								
Methyl-tert-butyl ether	118.0	11.8	10.0		ug/L	12/31/1997	ltg	17
4-Bromofluorobenzene (SURR)	109.0	109	100		% Rec.	12/31/1997	ltg	17
Toluene-d8 (SURR)	100.0	100	100		% Rec.	12/31/1997	ltg	17
1,2-Dichloroethane-d4 (SURR)	109.0	109	100		% Rec.	12/31/1997	ltg	17
8260 (GCMS, Liquid)								
Methyl-tert-butyl ether	119.0	11.9	10.0		ug/L	12/30/1997	ltg	18
4-Bromofluorobenzene (SURR)	108.0	108	100		% Rec.	12/30/1997	ltg	18
Toluene-d8 (SURR)	95.0	95	100		% Rec.	12/30/1997	ltg	18
1,2-Dichloroethane-d4 (SURR)	114.0	114	100		% Rec.	12/30/1997	ltg	18

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
Client Acct: 43200
LEGEND Job No: 97.02316

Date: 01/05/1998
ELAP Cert: 2193
Page: 9

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

METHOD BLANK REPORT

Parameter	Method				Date Analyzed	Analyst Initials	Run Batch Number
	Blank Amount Found	Reporting Limit	Flags	Units			
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.050		mg/L	12/30/1997	cjy	3930
Benzene	ND	0.50		ug/L	12/30/1997	cjy	3930
Toluene	ND	0.50		ug/L	12/30/1997	cjy	3930
Ethylbenzene	ND	0.50		ug/L	12/30/1997	cjy	3930
Xylenes (Total)	ND	0.50		ug/L	12/30/1997	cjy	3930
Methyl-tert-butyl ether	--	2.0		ug/L	12/30/1997	cjy	3930
Bromofluorobenzene (SURR)	98			% Rec.	12/30/1997	cjy	3930
TPH (Gas/BTXE,Liquid)							
as Gasoline	ND	0.050		mg/L	12/31/1997	aal	3931
Benzene	ND	0.50		ug/L	12/31/1997	aal	3931
Toluene	ND	0.50		ug/L	12/31/1997	aal	3931
Ethylbenzene	ND	0.50		ug/L	12/31/1997	aal	3931
Xylenes (Total)	ND	0.50		ug/L	12/31/1997	aal	3931
Methyl-tert-butyl ether	--	2.0		ug/L	12/31/1997	aal	3931
Bromofluorobenzene (SURR)	100			% Rec.	12/31/1997	aal	3931

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
Client Acct: 43200
LEGEND Job No: 97.02316

Date: 01/05/1998
ELAP Cert: 2193
Page: 10

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Flags	Units	Date Analyzed	Analyst Initials	Run Batch Number
8260 (GCMS, Liquid)							
Methyl-tert-butyl ether	ND	5.0		ug/L	12/29/1997	cjy	16
4-Bromofluorobenzene (SURR)	103			% Rec.	12/29/1997	cjy	16
Toluene-d8 (SURR)	98.3			% Rec.	12/29/1997	cjy	16
1,2-Dichloroethane-d4 (SURR)	108			% Rec.	12/29/1997	cjy	16
8260 (GCMS, Liquid)							
Methyl-tert-butyl ether	ND	1.0		ug/L	12/31/1997	ltg	17
4-Bromofluorobenzene (SURR)	104			% Rec.	12/31/1997	ltg	17
Toluene-d8 (SURR)	92			% Rec.	12/31/1997	ltg	17
1,2-Dichloroethane-d4 (SURR)	105			% Rec.	12/31/1997	ltg	17
8260 (GCMS, Liquid)							
Methyl-tert-butyl ether	ND	1.0		ug/L	12/30/1997	ltg	18
4-Bromofluorobenzene (SURR)	112			% Rec.	12/30/1997	ltg	18
Toluene-d8 (SURR)	99			% Rec.	12/30/1997	ltg	18
1,2-Dichloroethane-d4 (SURR)	111			% Rec.	12/30/1997	ltg	18

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

Client Name: Blaine Tech Services
 Client Acct: 43200
 LEGEND Job No: 97.02316

Date: 01/05/1998
 ELAP Cert: 2193
 Page: 11

Ref: Mark Borsuk/Harrison St. Garage/Project #971218-Z2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike			Spike Amount	Sample Conc.	Matrix Spike			Flags	Units	Date Analyzed	Run Batch	Sample Spiked
	Spike % Rec.	Dup % Rec.	RPD			Matrix Spike Dup.	Conc.	Conc.					
TPH (Gas/BTXE,Liquid)													280442
as Gasoline	100.6	101.4	0.8	0.50	ND	0.503	0.507			mg/L	12/30/1997	3930	280442
Benzene	98.8	99.5	0.7	4.16	0.70	4.81	4.84			ug/L	12/30/1997	3930	280442
Toluene	102.0	102.8	0.8	38.53	ND	39.29	39.59			ug/L	12/30/1997	3930	280442
Bromofluorobenzene (SURR)	98.0	100.0	1.9	100	97	98	100			% Rec.	12/30/1997	3930	280442
TPH (Gas/BTXE,Liquid)													280449
as Gasoline	97.2	92.2	5.3	0.50	0.50	0.986	0.961			mg/L	12/31/1997	3931	280449
Benzene	93.5	86.3	8.0	4.17	13	16.9	16.6			ug/L	12/31/1997	3931	280449
Toluene	93.8	97.9	4.3	38.6	15	51.2	52.8			ug/L	12/31/1997	3931	280449
Bromofluorobenzene (SURR)	102.0	105.0	2.9	100	103	102	105			% Rec.	12/31/1997	3931	280449
8260 (GCMS, Liquid)													280399
Methyl-tert-butyl ether	111.6	123.3	10.0	10.0	ND	11.16	12.33			ug/L	12/29/1997	16	280399
4-Bromofluorobenzene (SURR)	102.0	103.0	1.0	100	110	102	103			% Rec.	12/29/1997	16	280399
Toluene-d8 (SURR)	98.2	98.6	0.4	100	105	98.2	98.6			% Rec.	12/29/1997	16	280399
1,2-Dichloroethane-d4 (SURR)	107.0	113.0	5.5	100	110	107	113			% Rec.	12/29/1997	16	280399
8260 (GCMS, Liquid)													280448
Methyl-tert-butyl ether	135.0	132.0	2.2	10.0	ND	13.5	13.2			ug/L	12/31/1997	17	280448
4-Bromofluorobenzene (SURR)	113.0	109.0	3.6	100	112	113	109			% Rec.	12/31/1997	17	280448
Toluene-d8 (SURR)	106.0	97.0	8.8	100	99	106	97			% Rec.	12/31/1997	17	280448
1,2-Dichloroethane-d4 (SURR)	117.0	116.0	0.9	100	113	117	116			% Rec.	12/31/1997	17	280448
8260 (GCMS, Liquid)													280443
Methyl-tert-butyl ether	112.0	127.0	12.6	10.0	3.6	14.8	16.3			ug/L	12/30/1997	18	280443
4-Bromofluorobenzene (SURR)	108.0	109.0	0.9	100	108	108	109			% Rec.	12/30/1997	18	280443
Toluene-d8 (SURR)	97.0	96.0	1.0	100	96	97	96			% Rec.	12/30/1997	18	280443
1,2-Dichloroethane-d4 (SURR)	114.0	118.0	3.4	100	109	114	118			% Rec.	12/30/1997	18	280443

NOTE: Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety.

