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

January 23, 1995

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

SUBJECT: IVQ94 SAMPLING
1432 Harrison Street, Oakland, CA 94612

Dear Mr. Peacock:

Attached is the IVQ94 sampling data for the above site. If I may provide you with additional information, please contact me.

Sincerely yours,

Mark Borsuk

Attachment

cc: John Sturman, Levine-Fricke
Randall Morrison, Esq.
William Trinkle, Esq.

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

January 19, 1995

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

SITE:
1432 Harrison Street
Oakland, California

DATE:
December 21, 1994

GROUNDWATER SAMPLING REPORT 941221-F-2

Blaine Tech Services, Inc. perform 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, well evacuation, and sample collection. Measurements include the total depth of the well and 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 well evacuation and at the time of sample collection.

TABLE OF WELL MONITORING DATA

Well I.D.	MW-1			MW-2			MW-3		
Date Sampled	12/21/94			12/21/94			12/21/94		
Well Diameter (in.)	4			2			2		
Total Well Depth (ft.)	25.12			25.85			24.01		
Depth To Water (ft.)	19.53			19.91			18.82		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	3.6			0.95			0.83		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	11.0			3.0			2.5		
Purging Device	BAILER			BAILER			BAILER		
Sampling Device	BAILER			BAILER			BAILER		
Time	16:20	16:25	16:29	15:48	15:51	15:55	15:10	15:16	15:21
Temperature (Fahrenheit)	75.1	74.4	74.0	76.5	76.2	76.0	77.6	77.4	77.1
pH	7.2	7.1	7.0	7.3	7.0	6.8	7.3	7.2	7.2
Conductivity (micromhos/cm)	520	460	420	650	800	820	550	500	490
BTS Chain of Custody	941221-F-2			941221-F-2			941221-F-2		
BTS Sample I.D.	MW-1			MW-2			MW-3		
DHS HMTL Laboratory	NET			NET			NET		
Laboratory Sample I.D.	232101			232221			232102		
Analysis	TPH (GAS), BTXE			TPH(GAS), BTXE			TPH (GAS), BTXE, TPH (MOTOR OIL), EPA 8010		

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			
DHS HTML Laboratory	NET	NET	NET
Laboratory Sample I.D.	232101	232221	232102
TPH Gasoline.....	180,000	200,000 **	ND
Benzene.....	41,000 *	140,000 *	ND
Toluene.....	64,000 *	200,000 *	ND
Ethyl Benzene.....	3,100	3,500 **	ND
Xylene Isomers.....	100,000 *	22,000 *	ND
TPH Motor oil.....	--	--	ND
EPA 8010.....	--	--	ND

* Compound quantitated at a greater than 1000x dilution factor.
** Compound quantitated at a 100x dilution factor.

In the interest of clarity, an addendum has been appended 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.

STANDARD PRACTICES

Evacuation and Sampling Equipment

As shown in the TABLE OF MONITORING DATA the wells at this site were evacuated according to a protocol requirement for three case volumes. The wells were evacuated using bailers.

Samples were collected using a bailer.

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 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. Decontamination procedures include complete disassembly of the device to a point where a jet of steam cleaner water can be directed onto all the internal surfaces (this applies to the *inside* of the Teflon bladders of USGS/Middleburg pumps). Teflon conductor tubing is connected to the steam cleaner water outlet and water is run through the interior of the tubing for several minutes. The devices are then reassembled and actuated for a period of time as an additional measure. Blaine Tech Services, Inc. frequently modifies apparatus to allow complete disassembly and proper cleaning.

Effluent Materials

The evacuation process creates a volume of effluent water which must be contained. Blaine Tech Service, Inc. will place this water in appropriate containers of the client's choice or bring new DOT 17 E drums to the site which are appropriate for the containment of the effluent materials. The determination of how to properly dispose of the effluent water must usually await the results of laboratory analyses of the sample collected from the groundwater well. If that sample does not establish whether or not the effluent water is contaminated, or if effluent from more than one source has been combined in the same container, it may be necessary to conduct additional analyses on the effluent material.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow an evacuation and sample collection protocol. The sampling methodology conforms both State and Regional Water Quality Control Board standards 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 prefrozen blocks of 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 releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to National Environmental Testing, Inc. in Santa Rosa, California. NET is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #178.

Laboratory Identification Numbers

Following receipt of the samples and completion of the Chain of Custody form, the laboratory then assigns their own identification numbers to the samples. Different laboratories use different numbering systems and, according to their own internal conventions, may or may not assign sequential numbers to samples which are placed on temporary "hold", pending the results of other analyses. Laboratory identification numbers (if assigned and available) are included in our report. These are the number that appear on the certified analytical report by the analytical laboratory.

Certified Analytical Report

The certified analytical report (CAR) generated by the laboratory is the official document in which they issue their findings. Any discrepancy between verbally communicated results and the analytical values issued in a certified analytical report should be decided in favor of the CAR, for while it may, itself, be in error with regard to a particular number, the CAR remains the recognized authoritative legal document until such time as it is amended with a corrected report.

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
5th Floor
Oakland, CA 94612

ATTN: Richard Hiett

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.

Richard C. Blaine

RCB/lp

attachments: chain of custody
certified analytical report
gradient map

4634

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

LAB NET DHS #

Pg 1 of 1

CHAIN OF CUSTODY 941221-2

CLIENT Mark Borsuk

SITE 1462 Harrison St. Oakland CA

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

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
Invoice & Report to Blaine Tech
Attn: Don Weltz

SAMPLE I.D.			MATRIX S=SOIL W=H2O	CONTAINERS TOTAL	CONTAINERS	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPHg/BTEX	TPH motor oil	5010	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	12/21/94	1635	W	3	3 VOA HCl		X						
MW-2		1600		3	3 VOA HCl		X						
MW-3		1526		8	6 VOA 2 1LTR		X	X	X	2 VOAs unpre 3 VOAs HCl 2 1LTR unpre.			

12/22/94 B Lumbre
Deal Intact

SAMPLING COMPLETED DATE 12-21-94 TIME 1635

SAMPLING PERFORMED BY Tim Flory

RESULTS NEEDED NO LATER THAN Standard T.A.T.

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	12/22/94	11:00	B Lumbre	12/22/94	11:00
B Lumbre	12/22/94	17:00			
			Patti Greene	12/23/94	0700

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	
NCS				TEMP. RECV'D. 1.0 3.0c

NATIONAL ENVIRONMENTAL TESTING, INC.

Santa Rosa Division
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Don Weltz
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

Date: 01/05/1995
NET Client Acct. No: 43200
NET Pacific Job No: 94.06256
Received: 12/23/1994

Client Reference Information

Mark Borsuk/941221-F2

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Judy Ridley
Project Coordinator

Jim Hoch
Operations Manager

Enclosure(s)

Client Name: Blaine Tech Services
Client Acct: 43200
NET Job No: 94.06256

Date: 01/05/1995
ELAP Cert: 1386
Page: 2

Ref: Mark Borsuk/941221-F2

SAMPLE DESCRIPTION: MW-1
Date Taken: 12/21/1994
Time Taken: 16:35
NET Sample No: 232101

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
TPH (Gas/BTXE,Liquid)								
METHOD 5030/M8015	--						01/03/1995	2445
DILUTION FACTOR*	100						01/03/1995	2445
as Gasoline	180		5	mg/L	5030		01/03/1995	2445
METHOD 8020 (GC,Liquid)	--						01/04/1995	2448
Benzene	41,000	FJ	0.5	ug/L	8020		01/04/1995	2448
Toluene	64,000	FJ	0.5	ug/L	8020		01/04/1995	2448
Ethylbenzene	3,100		50	ug/L	8020		01/03/1995	2445
Xylenes (Total)	100,000	FJ	0.5	ug/L	8020		01/04/1995	2448
SURROGATE RESULTS	--						01/03/1995	2445
Bromofluorobenzene (SURR)	125			% Rec.	5030		01/03/1995	2445

FJ : Compound quantitated at a greater than 1000X dilution factor.

Ref: Mark Borsuk/941221-F2

SAMPLE DESCRIPTION: MW-3
Date Taken: 12/21/1994
Time Taken: 15:26
NET Sample No: 232102

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
TPH (Gas/BTXE,Liquid)								
METHOD 5030/M8015	--						12/31/1994	2439
DILUTION FACTOR*	1						12/31/1994	2439
as Gasoline	ND		0.05	mg/L	5030		12/31/1994	2439
METHOD 8020 (GC,Liquid)	--						12/31/1994	2439
Benzene	ND		0.5	ug/L	8020		12/31/1994	2439
Toluene	ND		0.5	ug/L	8020		12/31/1994	2439
Ethylbenzene	ND		0.5	ug/L	8020		12/31/1994	2439
Xylenes (Total)	ND		0.5	ug/L	8020		12/31/1994	2439
SURROGATE RESULTS	--						12/31/1994	2439
Bromofluorobenzene (SURR)	108			% Rec.	5030		12/31/1994	2439
METHOD M8015 (EXT., Liquid)						12/27/1994		
DILUTION FACTOR*	1						12/29/1994	880
as Motor Oil	ND		0.5	mg/L	3510		12/29/1994	880

Ref: Mark Borsuk/941221-F2

SAMPLE DESCRIPTION: MW-3
Date Taken: 12/21/1994
Time Taken: 15:26
NET Sample No: 232102

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 8010 (GC,Liquid)								
DILUTION FACTOR*	1						12/30/1994	786
Bromodichloromethane	ND		0.4	ug/L	8010		12/30/1994	786
Bromoform	ND		0.4	ug/L	8010		12/30/1994	786
Bromomethane	ND		0.4	ug/L	8010		12/30/1994	786
Carbon tetrachloride	ND		0.4	ug/L	8010		12/30/1994	786
Chlorobenzene	ND		0.4	ug/L	8010		12/30/1994	786
Chloroethane	ND		0.4	ug/L	8010		12/30/1994	786
2-Chloroethylvinyl ether	ND		1.0	ug/L	8010		12/30/1994	786
Chloroform	ND		0.4	ug/L	8010		12/30/1994	786
Chloromethane	ND		0.4	ug/L	8010		12/30/1994	786
Dibromochloromethane	ND		0.4	ug/L	8010		12/30/1994	786
1,2-Dichlorobenzene	ND		0.4	ug/L	8010		12/30/1994	786
1,3-Dichlorobenzene	ND		0.4	ug/L	8010		12/30/1994	786
1,4-Dichlorobenzene	ND		0.4	ug/L	8010		12/30/1994	786
Dichlorodifluoromethane	ND		0.4	ug/L	8010		12/30/1994	786
1,1-Dichloroethane	ND		0.4	ug/L	8010		12/30/1994	786
1,2-Dichloroethane	ND		0.4	ug/L	8010		12/30/1994	786
1,1-Dichloroethene	ND		0.4	ug/L	8010		12/30/1994	786
trans-1,2-Dichloroethene	ND		0.4	ug/L	8010		12/30/1994	786
1,2-Dichloropropane	ND		0.4	ug/L	8010		12/30/1994	786
cis-1,3-Dichloropropene	ND		0.4	ug/L	8010		12/30/1994	786
trans-1,3-Dichloropropene	ND		0.4	ug/L	8010		12/30/1994	786
Methylene chloride	ND		10	ug/L	8010		12/30/1994	786
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	8010		12/30/1994	786
Tetrachloroethene	ND		0.4	ug/L	8010		12/30/1994	786
1,1,1-Trichloroethane	ND		0.4	ug/L	8010		12/30/1994	786
1,1,2-Trichloroethane	ND		1	ug/L	8010		12/30/1994	786
Trichloroethene	ND		0.4	ug/L	8010		12/30/1994	786
Trichlorofluoromethane	ND		0.4	ug/L	8010		12/30/1994	786
Vinyl chloride	ND		0.4	ug/L	8010		12/30/1994	786
SURROGATE RESULTS	--						12/30/1994	786
1,4-Difluorobenzene (SURR)	81			% Rec.			12/30/1994	786
Bromochloromethane (SURR)	95			% Rec.			12/30/1994	786

Client Name: Blaine Tech Services
Client Acct: 43200
NET Job No: 94.06256

Date: 01/05/1995
ELAP Cert: 1386
Page: 5

Ref: Mark Borsuk/941221-F2

SAMPLE DESCRIPTION: MW-2
Date Taken: 12/21/1994
Time Taken: 16:00
NET Sample No: 232221

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
TPH (Gas/BTXE,Liquid)								
METHOD 5030/M8015	--						12/31/1994	2439
DILUTION FACTOR*	1						01/03/1995	2445
as Gasoline	200	FF	0.05	mg/L	5030		12/31/1994	2439
METHOD 8020 (GC,Liquid)	--						12/31/1994	2439
Benzene	140,000	FJ	0.5	ug/L	8020		01/04/1995	2448
Toluene	200,000	FJ	0.5	ug/L	8020		01/04/1995	2448
Ethylbenzene	3,500	FF	0.5	ug/L	8020		12/31/1994	2439
Xylenes (Total)	22,000	FJ	0.5	ug/L	8020		01/04/1995	2448
SURROGATE RESULTS	--						12/31/1994	2439
Bromofluorobenzene (SURR)	133	MI		% Rec.	5030		12/31/1994	2439

FF : Compound quantitated at a 100X dilution factor.
FJ : Compound quantitated at a greater than 1000X dilution factor.
MI : Matrix Interference Suspected

Ref: Mark Borsuk/941221-F2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
TPH (Gas/BTXE,Liquid)							
as Gasoline	106.0	1.06	1.00	mg/L	12/31/1994	aal	2439
Benzene	105.6	5.28	5.00	ug/L	12/31/1994	aal	2439
Toluene	93.6	4.68	5.00	ug/L	12/31/1994	aal	2439
Ethylbenzene	96.2	4.81	5.00	ug/L	12/31/1994	aal	2439
Xylenes (Total)	96.0	14.4	15.0	ug/L	12/31/1994	aal	2439
Bromofluorobenzene (SURR)	104.0	104	100	% Rec.	12/31/1994	aal	2439
TPH (Gas/BTXE,Liquid)							
as Gasoline	105.0	1.05	1.00	mg/L	01/04/1995	lss	2448
Benzene	103.6	5.18	5.00	ug/L	01/04/1995	lss	2448
Toluene	98.6	4.93	5.00	ug/L	01/04/1995	lss	2448
Ethylbenzene	96.2	4.81	5.00	ug/L	01/04/1995	lss	2448
Xylenes (Total)	94.0	14.1	15.0	ug/L	01/04/1995	lss	2448
Bromofluorobenzene (SURR)	119.0	119	100	% Rec.	01/04/1995	lss	2448
METHOD M8015 (EXT., Liquid)							
as Motor Oil	93.3	933	1000	mg/L	12/29/1994	tdn	880

Ref: Mark Borsuk/941221-F2

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 8010 (GC,Liquid)							
Bromodichloromethane	102.0	20.4	20.0	ug/L	12/30/1994	ltg	786
Bromoform	92.5	18.5	20.0	ug/L	12/30/1994	ltg	786
Bromomethane	110.5	22.1	20.0	ug/L	12/30/1994	ltg	786
Carbon tetrachloride	103.0	20.6	20.0	ug/L	12/30/1994	ltg	786
Chlorobenzene	98.0	19.6	20.0	ug/L	12/30/1994	ltg	786
Chloroethane	101.5	20.3	20.0	ug/L	12/30/1994	ltg	786
2-Chloroethylvinyl ether	81.0	16.2	20.0	ug/L	12/30/1994	ltg	786
Chloroform	106.5	21.3	20.0	ug/L	12/30/1994	ltg	786
Chloromethane	97.0	19.4	20.0	ug/L	12/30/1994	ltg	786
Dibromochloromethane	95.5	19.1	20.0	ug/L	12/30/1994	ltg	786
1,2-Dichlorobenzene	102.0	20.4	20.0	ug/L	12/30/1994	ltg	786
1,3-Dichlorobenzene	99.5	19.9	20.0	ug/L	12/30/1994	ltg	786
1,4-Dichlorobenzene	104.0	20.8	20.0	ug/L	12/30/1994	ltg	786
Dichlorodifluoromethane	104.5	20.9	20.0	ug/L	12/30/1994	ltg	786
1,1-Dichloroethane	108.0	21.6	20.0	ug/L	12/30/1994	ltg	786
1,2-Dichloroethane	95.0	19.0	20.0	ug/L	12/30/1994	ltg	786
1,1-Dichloroethene	114.5	22.9	20.0	ug/L	12/30/1994	ltg	786
trans-1,2-Dichloroethene	92.0	18.4	20.0	ug/L	12/30/1994	ltg	786
1,2-Dichloropropane	95.5	19.1	20.0	ug/L	12/30/1994	ltg	786
cis-1,3-Dichloropropene	89.0	17.8	20.0	ug/L	12/30/1994	ltg	786
trans-1,3-Dichloropropene	95.5	19.1	20.0	ug/L	12/30/1994	ltg	786
Methylene chloride	118.5	23.7	20.0	ug/L	12/30/1994	ltg	786
1,1,2,2-Tetrachloroethane	99.0	19.8	20.0	ug/L	12/30/1994	ltg	786
Tetrachloroethene	99.0	19.8	20.0	ug/L	12/30/1994	ltg	786
1,1,1-Trichloroethane	98.0	19.6	20.0	ug/L	12/30/1994	ltg	786
1,1,2-Trichloroethane	95.5	19.1	20.0	ug/L	12/30/1994	ltg	786
Trichloroethene	103.5	20.7	20.0	ug/L	12/30/1994	ltg	786
Trichlorofluoromethane	109.5	21.9	20.0	ug/L	12/30/1994	ltg	786
Vinyl chloride	104.5	20.9	20.0	ug/L	12/30/1994	ltg	786
1,4-Difluorobenzene (SURR)	99.0	99	100	% Rec.	12/30/1994	ltg	786
Bromochloromethane (SURR)	104.0	104	100	% Rec.	12/30/1994	ltg	786

Ref: Mark Borsuk/941221-F2

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
TPH (Gas/BTXE,Liquid)						
as Gasoline	ND	0.05	mg/L	12/31/1994	aal	2439
Benzene	ND	0.5	ug/L	12/31/1994	aal	2439
Toluene	ND	0.5	ug/L	12/31/1994	aal	2439
Ethylbenzene	ND	0.5	ug/L	12/31/1994	aal	2439
Xylenes (Total)	ND	0.5	ug/L	12/31/1994	aal	2439
Bromofluorobenzene (SURR)	104		% Rec.	12/31/1994	aal	2439
TPH (Gas/BTXE,Liquid)						
as Gasoline	ND	0.05	mg/L	01/04/1995	lss	2448
Benzene	ND	0.5	ug/L	01/04/1995	lss	2448
Toluene	ND	0.5	ug/L	01/04/1995	lss	2448
Ethylbenzene	ND	0.5	ug/L	01/04/1995	lss	2448
Xylenes (Total)	ND	0.5	ug/L	01/04/1995	lss	2448
Bromofluorobenzene (SURR)	115		% Rec.	01/04/1995	lss	2448
METHOD M8015 (EXT., Liquid)						
as Motor Oil	ND	0.5	mg/L	12/28/1994	tdn	878

Ref: Mark Borsuk/941221-F2

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 8010 (GC,Liquid)						
Bromodichloromethane	ND	0.4	ug/L	12/30/1994	ltg	786
Bromoform	ND	0.4	ug/L	12/30/1994	ltg	786
Bromomethane	ND	0.4	ug/L	12/30/1994	ltg	786
Carbon tetrachloride	ND	0.4	ug/L	12/30/1994	ltg	786
Chlorobenzene	ND	0.4	ug/L	12/30/1994	ltg	786
Chloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
2-Chloroethylvinyl ether	ND	1.0	ug/L	12/30/1994	ltg	786
Chloroform	ND	0.4	ug/L	12/30/1994	ltg	786
Chloromethane	ND	0.4	ug/L	12/30/1994	ltg	786
Dibromochloromethane	ND	0.4	ug/L	12/30/1994	ltg	786
1,2-Dichlorobenzene	ND	0.4	ug/L	12/30/1994	ltg	786
1,3-Dichlorobenzene	ND	0.4	ug/L	12/30/1994	ltg	786
1,4-Dichlorobenzene	ND	0.4	ug/L	12/30/1994	ltg	786
Dichlorodifluoromethane	ND	0.4	ug/L	12/30/1994	ltg	786
1,1-Dichloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
1,2-Dichloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
1,1-Dichloroethene	ND	0.4	ug/L	12/30/1994	ltg	786
trans-1,2-Dichloroethene	ND	0.4	ug/L	12/30/1994	ltg	786
1,2-Dichloropropane	ND	0.4	ug/L	12/30/1994	ltg	786
cis-1,3-Dichloropropene	ND	0.4	ug/L	12/30/1994	ltg	786
trans-1,3-Dichloropropene	ND	0.4	ug/L	12/30/1994	ltg	786
Methylene chloride	ND	10	ug/L	12/30/1994	ltg	786
1,1,2,2-Tetrachloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
Tetrachloroethene	ND	0.4	ug/L	12/30/1994	ltg	786
1,1,1-Trichloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
1,1,2-Trichloroethane	ND	0.4	ug/L	12/30/1994	ltg	786
Trichloroethene	ND	0.4	ug/L	12/30/1994	ltg	786
Trichlorofluoromethane	ND	0.4	ug/L	12/30/1994	ltg	786
Vinyl chloride	ND	0.4	ug/L	12/30/1994	ltg	786
1,4-Difluorobenzene (SURR)	100		% Rec.	12/30/1994	ltg	786
Bromochloromethane (SURR)	100		% Rec.	12/30/1994	ltg	786

Ref: Mark Borsuk/941221-F2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Run Batch	Sample Spiked
TPH (Gas/BTXE,Liquid)											231792
as Gasoline	99.0	98.0	1.0	1.00	ND	0.99	0.98	mg/L	12/31/1994	2439	231792
Benzene	99.4	103.1	3.6	32.3	ND	32.1	33.3	ug/L	12/31/1994	2439	231792
Toluene	98.5	100.5	1.9	99.1	ND	97.6	99.6	ug/L	12/31/1994	2439	231792
TPH (Gas/BTXE,Liquid)											232313
as Gasoline	104.0	97.0	6.9	1.00	ND	1.04	0.97	mg/L	01/04/1995	2448	232313
Benzene	101.2	85.0	17.3	34.6	ND	35.0	29.4	ug/L	01/04/1995	2448	232313
Toluene	98.2	98.2	0.0	110	ND	108	108	ug/L	01/04/1995	2448	232313

Ref: Mark Borsuk/941221-F2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Run Batch	Sample Spiked
METHOD 8010 (GC,Liquid)											232090
Chlorobenzene	102.5	102.0	0.5	20.0	ND	20.5	20.4	ug/L	12/30/1994	786	232090
1,1-Dichloroethene	116.0	114.0	1.7	20.0	ND	23.2	22.8	ug/L	12/30/1994	786	232090
Trichloroethene	107.0	109.5	2.3	20.0	ND	21.4	21.9	ug/L	12/30/1994	786	232090

NET®

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. Do not multiply the reporting limits or reported values by the dilution factor.
dw	:	Result expressed as dry weight.
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than the applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

Revised September, 1993
abb.93

CAMBRIA
Environmental Technology, Inc.

January 19, 1995

Jim Keller
Blaine Tech Services
985 Timothy Drive
San Jose, CA 95133

Re: Quarterly Monitoring Report
1432 Harrison Street
Oakland, California

Dear Mr. Keller:

As you requested, Cambria Environmental Technology, Inc. has prepared this letter summarizing the results of the fourth quarter 1994 ground water monitoring sampling at the site referenced above. Presented below are sampling activities performed in the fourth quarter of 1994 and a discussion of hydrocarbon distribution in ground water.

Fourth Quarter 1994 Activities: On December 12, 1994, Blaine Tech Services collected ground water samples from wells MW-1, MW-2 and MW-3 and analyzed the samples for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, ethylbenzene, toluene and xylenes (BETX). Samples from well MW-3 were also analyzed for TPH as motor oil (TPHmo) and volatile organic compounds (VOCs). BTS also gauged all site wells.

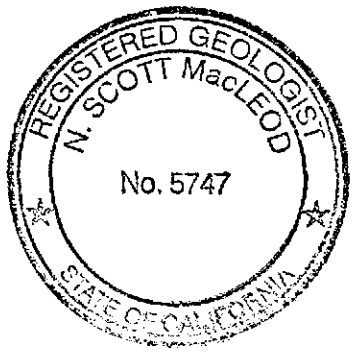
Hydrocarbon Distribution in Ground Water: Although no petroleum hydrocarbons or VOCs were detected in the samples from well MW-3, samples from wells MW-1 and MW-2 contained up to 200,000 parts per billion (ppb) TPHg and 140,000 ppb benzene. These concentrations are higher than those detected during the third quarter 1994 sampling.

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

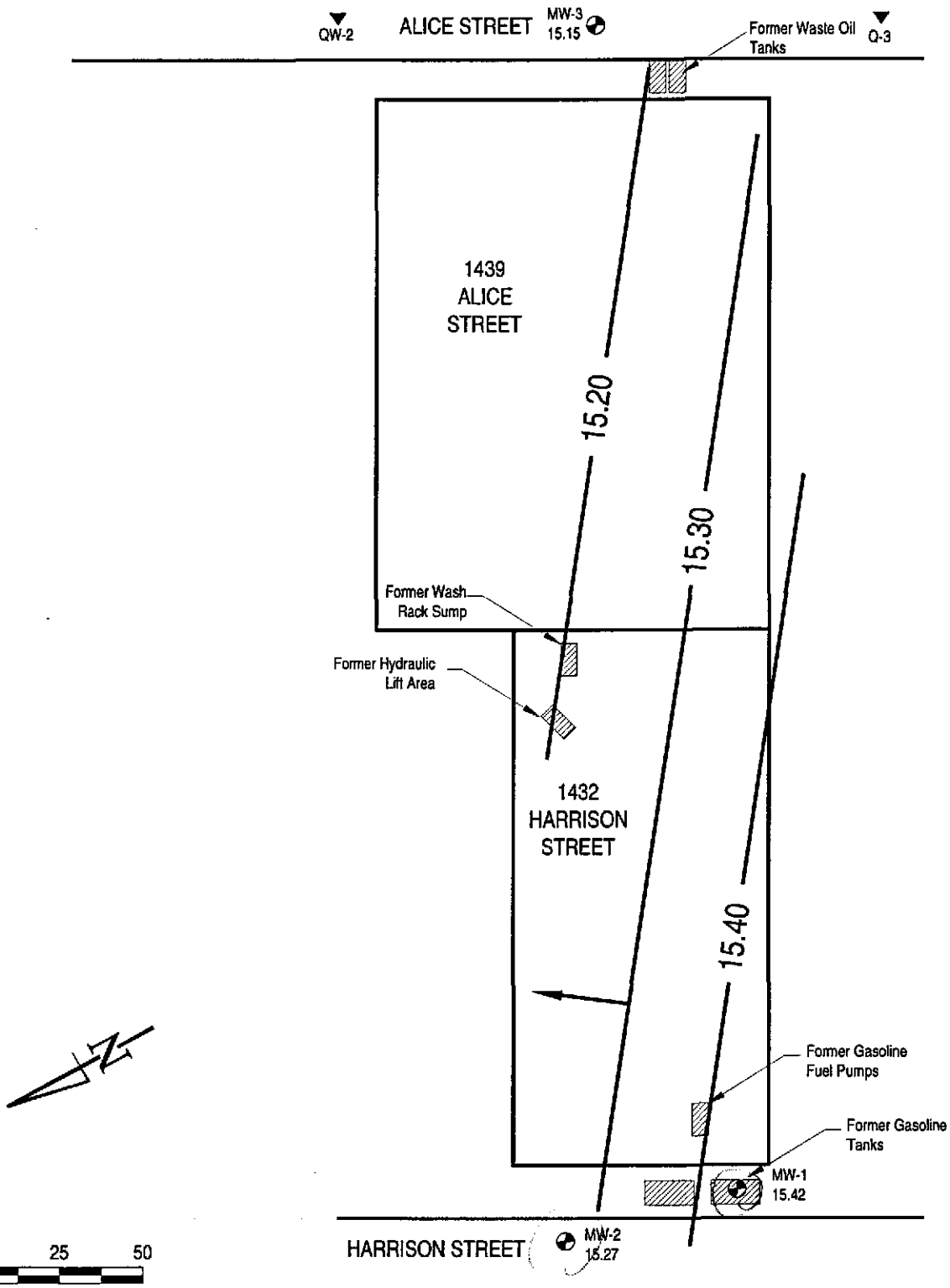
Sincerely,
Cambria Environmental Technology, Inc.

N. Scott MacLeod, R.G.
Principal Geologist

D:\PROJECT\BTS\HARRISON\QM-1-95.WPD



1144 Sixty-Fifth Street Suite C Oakland, CA 94608 Fax (510) 420-9170 Phone (510) 420-0700



CAMBRIA
Environmental Technology, Inc.

EXPLANATION

- MONITORING WELL
- GROUND WATER SAMPLING LOCATION

Ground Water Elevations
December 21, 1994

1432 Harrison Street
Oakland, California

FIGURE

1