CAMBRIA

July 23, 2001

Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

JUL 26 2001

Re: **Second Quarter 2001 Monitoring Report**
Shell-branded Service Station
2120 Montana Street
Oakland, California
Incident #98995740
Cambria Project #243-0733-002

Dear Mr. Gholami:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

SECOND QUARTER 2001 ACTIVITIES

Groundwater Monitoring: On May 31, 2001 Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells. The analytical results for wells MW-1 and MW-3 were not consistent with results from the initial March 23, 2001 sampling event, and the site wells were re-sampled on June 27, 2001. During the June 27th site visit, approximately 0.15 feet of separate phase hydrocarbon (SPH) were encountered in well MW-1, and Blaine collected an SPH sample from well MW-1. Blaine returned to the site on July 9, 2001 and encountered 0.31 feet of SPH in well MW-1. Blaine collected another SPH sample from well MW-1 and from each grade of gasoline available at the site. Blaine submitted these samples to Westhollow Research Center in Houston, Texas for fuel fingerprinting. Results will be presented under separate cover.

Blaine calculated groundwater elevations, and compiled the analytical data from the quarterly sampling events, and Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

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

ANTICIPATED THIRD QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine will check for SPH, gauge and sample all wells, and tabulate the data. Cambria will prepare a monitoring report.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Stephan A. Bork
for: Jacquelyn L. Jones
Project Geologist

Stephan A. Bork, C.E.G., C.HG.
Associate Hydrogeologist

REGISTERED GEOLOGIST
STEPHAN A. BORK
No. EG 2058
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

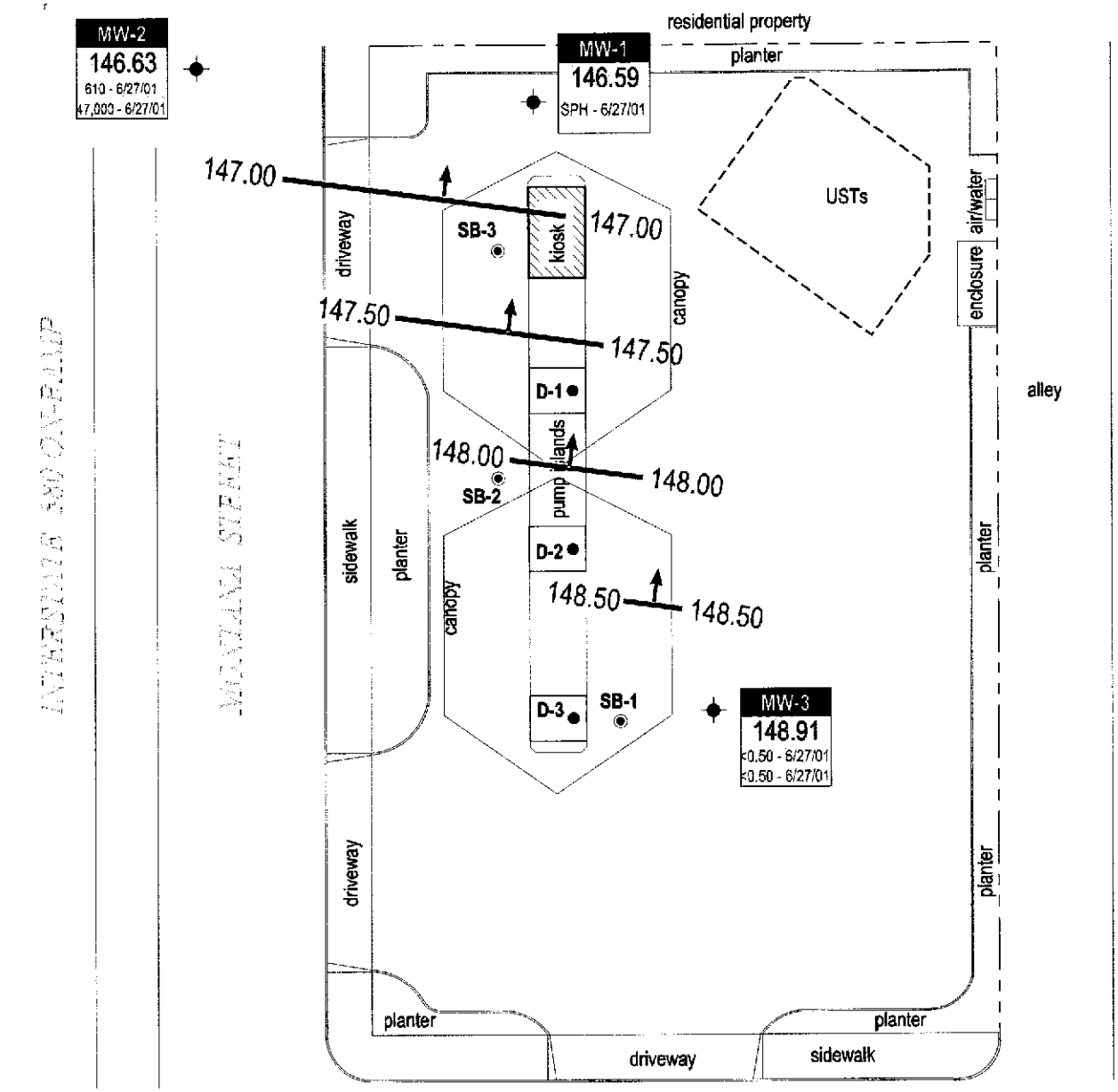
Figure: 1 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Equilon Enterprises LLC c/o Stewart Title Guaranty Company 1980 Post Oak Blvd., Suite 110, Houston, Texas 77056

g:\oakland 2120montana\qm\2q01qm.doc

07/23/01



EXPLANATION

- **MW-1** — Monitoring well location
- **SB-1** — Cambria soil boring location (10/99)
- **D-1** — Cambria soil sampling location (11/97)
- **SPH** — Separate-phase hydrocarbons present, well not sampled
- → Groundwater flow direction
- *xx.xx* — Groundwater elevation contour, in feet above mean sea level (msl), approximately located, dashed where inferred

Well
ELEV
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.

N

0 15 30

Scale (ft)

FIGURE **1**

G:\OAKLAND2120MONTANA\FIGURES\2QM01-MP.DWG

Shell-branded Service Station
2120 Montana Street
Oakland, California
Incident #98995740

CAMBRIA

Groundwater Elevation Contour Map

May 31, 2001

ATTACHMENT A

Blaine Groundwater Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

July 10, 2001

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2001 Groundwater Monitoring at
Shell-branded Service Station
2120 Montana Street
Oakland, CA

Monitoring performed on May 31, June 27,
and July 9, 2001

Groundwater Monitoring Report **010531-C-3**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Nick Sudano
Project Coordinator

NS/mb

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
2120 Montana Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
MW-1	03/19/3001	NA	NA	NA	NA	NA	NA	NA	159.59	12.14	147.45	NA
MW-1	03/23/2001	16,600	753	1,720	407	2,330	NA	27,500	159.59	12.25	147.34	NA
MW-1	**05/31/2001**	**<50a**	**<0.50a**	**<0.50a**	**<0.50a**	**<0.50a**	**NA**	**<5.0a**	**159.59**	**13.00**	**146.59**	**NA**
MW-1	**06/27/2001**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**159.59**	**13.00b**	**NA**	**NA**
MW-1	**07/09/2001**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**159.59**	**13.17**	**146.67**	**0.31**
MW-2	03/19/3001	NA	NA	NA	NA	NA	NA	NA	158.03	11.60	146.43	NA
MW-2	03/23/2001	4,450	280	41.0	62.1	63.0	NA	16,600	158.03	11.76	146.27	NA
MW-2	**05/31/2001**	**<20,000a**	**820a**	**<200a**	**<200a**	**<200a**	**NA**	**63,000a**	**158.03**	**11.40**	**146.63**	**NA**
MW-2	**06/27/2001**	**<50,000**	**610**	**4.0**	**13**	**9.2**	**NA**	**47,000**	**158.03**	**12.65**	**145.38**	**NA**
MW-3	03/19/3001	NA	NA	NA	NA	NA	NA	NA	161.13	11.42	149.71	NA
MW-3	03/23/2001	<50.0	<0.500	<0.500	<0.500	<0.500	NA	1.26	161.13	11.42	149.71	NA
MW-3	**05/31/2001**	**<20,000a**	**1,000a**	**920a**	**490a**	**2,000a**	**NA**	**54,000a**	**161.13**	**12.22**	**148.91**	**NA**
MW-3	**06/27/2001**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<0.50**	**161.13**	**12.32**	**148.81**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
2120 Montana Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B; prior to May 31, 2001 analyzed by EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

Notes:

a = Resampled on June 27, 2001, due to anomolous results

b = Separate phase hydrocarbons encountered during purge; groundwater elevation may not be accurate.

Survey data provided by Cambria Environmental Technology, May 2001.

When separate phase hydrocarbons are present, ground water elevation is adjusted using the relation:

corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).

KIFF ANALYTICAL LLC

Report Number : 20536
Date : 6/14/2001

Nick Sudano
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 3 Water Samples
Project Name : 2120 Montana Street, Oakland
Project Number : 010531-C3
P.O. Number : 98995740

Dear Mr. Sudano,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 20536
Date : 6/14/2001

Project Name : **2120 Montana Street, Oakland**
Project Number : **010531-C3**

Sample : **MW-1** Matrix : Water Lab Number : 20536-01
Sample Date :5/31/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/10/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/10/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/10/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/10/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	6/10/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/10/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	6/10/2001
4-Bromofluorobenzene (Surr)	99.0		% Recovery	EPA 8260B	6/10/2001

Sample : **MW-2** Matrix : Water Lab Number : 20536-02
Sample Date :5/31/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**820**	200	ug/L	EPA 8260B	6/10/2001
Toluene	**< 200**	200	ug/L	EPA 8260B	6/10/2001
Ethylbenzene	**< 200**	200	ug/L	EPA 8260B	6/10/2001
Total Xylenes	**< 200**	200	ug/L	EPA 8260B	6/10/2001
Methyl-t-butyl ether (MTBE)	**63000**	2000	ug/L	EPA 8260B	6/10/2001
TPH as Gasoline	**< 20000**	20000	ug/L	EPA 8260B	6/10/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/10/2001
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	6/10/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 20536

Date : 6/14/2001

Project Name : **2120 Montana Street, Oakland**

Project Number : **010531-C3**

Sample : **MW-3** Matrix : Water Lab Number : 20536-03

Sample Date :5/31/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1000**	200	ug/L	EPA 8260B	6/9/2001
Toluene	**920**	200	ug/L	EPA 8260B	6/9/2001
Ethylbenzene	**490**	200	ug/L	EPA 8260B	6/9/2001
Total Xylenes	**2000**	200	ug/L	EPA 8260B	6/9/2001
Methyl-t-butyl ether (MTBE)	**54000**	2000	ug/L	EPA 8260B	6/9/2001
TPH as Gasoline	**< 20000**	20000	ug/L	EPA 8260B	6/9/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/9/2001
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	6/9/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 20536

Date : 6/14/2001

Project Name : **2120 Montana Street,**

Project Number : **010531-C3**

20536 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	6/7/2001
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	6/7/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	6/7/2001
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	6/7/2001
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	6/7/2001

Approved By: Joel Kiff

Report Number : 20536

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 6/14/2001

Project Name : **2120 Montana Street,**

Project Number : **010531-C3**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	20506-02	<0.50	24.6	24.3	25.8	25.2	ug/L	EPA 8260B	6/7/2001	105	104	0.922	70-130	25
Toluene	20506-02	<0.50	24.6	24.3	24.4	23.8	ug/L	EPA 8260B	6/7/2001	99.0	97.9	1.12	70-130	25
Tert-Butanol	20506-02	<5.0	24.6	24.3	26.0	24.5	ug/L	EPA 8260B	6/7/2001	106	101	4.51	70-130	25
Methyl-t-Butyl Ether	20506-02	<0.50	24.6	24.3	25.0	24.5	ug/L	EPA 8260B	6/7/2001	102	101	0.533	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 20536

QC Report : Laboratory Control Sample (LCS)

Date : 6/14/2001

Project Name : **2120 Montana Street,**

Project Number : **010531-C3**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	19.2	ug/L	EPA 8260B	6/7/2001	102	70-130
Toluene	19.2	ug/L	EPA 8260B	6/7/2001	99.4	70-130
Tert-Butanol	95.8	ug/L	EPA 8260B	6/7/2001	98.1	70-130
Methyl-t-Butyl Ether	19.2	ug/L	EPA 8260B	6/7/2001	104	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

LAB: Kiff

EQUIVA Services LLC Chain Of Custody Record 20536

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be invoiced:

☒ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CONT HOUSTON

Karen Petryna

INCIDENT # (SAP #): 98995740

DATE: 5-31-01

PAGE: 1 of 1

CONSULTANT COMPANY: Blaine Tech Services

ADDRESS: 1680 Rogers Avenue

CITY: San Jose, CA 95112

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: nsudano@blainetech.com

SITE ADDRESS (Street and City): 2120 Montana Street, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010531-C3

SAMPLER NAME(S) (Print): Hank Castro

LAB USE ONLY

TURNAROUND TIME (BUSINESS DAYS): ☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8021B)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	MTBE (8260B) Confirmation, See Note										FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	5/31	1453	W	3	X	X	X																01
	MW-2	↓	1414	↓	3	X	X	X																02
	MW-3	↓	1424	↓	3	X	X	X																03

Relinquished by: (Signature) Hank Cast	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 060101	Time: 1215

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision

QSQ Graphic (714) 898-9702

KIFF ANALYTICAL LLC

Report Number : 21036
Date : 7/6/2001

Nick Sudano
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 2 Water Samples
Project Name : 2120 Montana Street, Oakland
Project Number : 010627-R1
P.O. Number : 98995740

Dear Mr. Sudano,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 21036
Date : 7/6/2001

Project Name : **2120 Montana Street, Oakland**
Project Number : **010627-R1**

Sample : **MW-2** Matrix : Water Lab Number : 21036-01
Sample Date :6/27/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**610**	250	ug/L	EPA 8260B	7/5/2001
Toluene	**4.0**	0.50	ug/L	EPA 8260B	7/4/2001
Ethylbenzene	**13**	0.50	ug/L	EPA 8260B	7/4/2001
Total Xylenes	**9.2**	0.50	ug/L	EPA 8260B	7/4/2001
Methyl-t-butyl ether (MTBE)	**47000**	250	ug/L	EPA 8260B	7/5/2001
TPH as Gasoline	**< 50000**	50000	ug/L	EPA 8260B	7/5/2001
Toluene - d8 (Surr)	88.1		% Recovery	EPA 8260B	7/4/2001
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	7/5/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 21036
Date : 7/6/2001

Project Name : **2120 Montana Street, Oakland**
Project Number : **010627-R1**

Sample : **MW-3** Matrix : Water Lab Number : 21036-02
Sample Date :6/27/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/5/2001
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	7/5/2001
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	7/5/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 21036

Date : 7/6/2001

Project Name : **2120 Montana Street,**

Project Number : **010627-R1**

21036 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	7/5/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	7/5/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	7/5/2001
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	7/5/2001

Approved By: Joel Kiff

Report Number : 21036

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 7/6/2001

Project Name : **2120 Montana Street,**

Project Number : **010627-R1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	21036-01	340	19.8	19.4	324	310	ug/L	EPA 8260B	7/4/2001	0.00	0.00	0.00	70-130	25
Toluene	21036-01	4.0	19.8	19.4	21.2	20.8	ug/L	EPA 8260B	7/4/2001	86.8	86.6	0.334	70-130	25
Tert-Butanol	21036-01	4100	98.8	97.2	2810	2770	ug/L	EPA 8260B	7/4/2001	0.00	0.00	0.00	70-130	25
Methyl-t-Butyl Ether	21036-01	6300	19.8	19.4	4200	3920	ug/L	EPA 8260B	7/4/2001	0.00	0.00	0.00	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 21036

QC Report : Laboratory Control Sample (LCS)

Date : 7/6/2001

Project Name : **2120 Montana Street,**

Project Number : **010627-R1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	19.5	ug/L	EPA 8260B	7/3/2001	94.2	70-130
Toluene	19.5	ug/L	EPA 8260B	7/3/2001	98.1	70-130
Tert-Butanol	97.5	ug/L	EPA 8260B	7/3/2001	95.8	70-130
Methyl-t-Butyl Ether	19.5	ug/L	EPA 8260B	7/3/2001	101	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

LAB: KIFF

21036

EQUIVA Services LLC Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Equiva Project Manager to be Invoiced:

☒ SCIENCE & ENGINEERING
☐ FINANCIAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

9 8 9 9 5 7 4 0

DATE: 6/27/01

PAGE: 1 of 1

CONSULTANT COMPANY:		
Blaine Tech Services		
ADDRESS:		
1680 Rogers Avenue		
CITY:		
San Jose, CA 95112		
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: nsudano@blainetech.com

SITE ADDRESS (Street and City): 2120 Montana Street, Oakland

PROJECT CONTACT (Report to): Nick Sudano

CONSULTANT PROJECT NO.: BTS # 010627-R1

SAMPLER NAME(S) (Print): Trei

FOR LUST SITES ONLY:

TURNAROUND TIME (BUSINESS DAYS):
☑ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8015m)	BTEX (8020)	MTBE (8021B)	MTBE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-2	6/27	1255	W	3	X	X	X							-01
	MW-3	6/27	1250	W	3	X	X	X							-02

Relinquished by: (Signature)	Received by: (Signature)	Date: 6/27/01	Time: 1858
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle/Kiff Analytical	Date: 062801	Time: 1147

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/18/00 Revision

Q&Q Graphic (714) 888-9702

WELL GAUGING DATA

Project # 010709-C4 Date 7-9-01 Client Equiva

Site 2120 Montana St.

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	odor	12.86	0.31	-	13.17	28.21	↓	
Grade 1 = 87									
Grade 2 = 89									
Grade 3 = 92									

WELL GAUGING DATA

Project # 010627-EB Date 6/27/01 Client EJ 98995240

Site 2120 Monton Street

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2	sheen odor	*	0.15	1 liter	13.00	28.35	TOC	
MW-2	2					12.65	19.95	"	
MW-3	2					12.32	20.10	TOC	

* 0.15' measured in disposable bailer w/ sounder type, an interface probe was not used. This is an estimated/approx. amount.

EQUIVA WELL MONITORING DATA SHEET

BTS #:	010627-R2	Site:	98995740
Sampler:	Trei'	Date:	6/27/01
Well I.D.:	MW-1	Well Diameter:	(2) 3 4 6 8 ___
Total Well Depth:	28.35	Depth to Water:	13.00
Depth to Free Product:		Thickness of Free Product (feet):	0.15
Referenced to:	(PVC) Grade	D.O. Meter (if req'd):	YSI HACH

Purge Method:
Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other ___

2.4 (Gals.) X	3	=	7 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
—	smelled strong odor coming from well. Droped					
1330	Disposable Bailee to check for Free Product, pulled Bailee					
	out and saw a thick yellow stuff with foam underneath					
	the product (looked like a sponge) then their was the					
	waterr - (Took 1 NP liter Sample)					

Did well dewater? Yes / No		Gallons actually evacuated:	0
Sampling Time:	1345	Sampling Date:	6-27-01
Sample I.D.:	MW-1	Laboratory:	Sequoia / Columbia / Other ___
Analyzed for:	TPH-G / BTEX / MTBE / TPH-D	Other:	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
Analyzed for:	TPH-G / BTEX / MTBE / TPH-D	Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010627-R2	Site: 98995740
Sampler: TReir	Date: 6/27/01
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.95	Depth to Water: 12.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- ~~X~~ Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:
- ~~X~~ Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

1.1 (Gals.) X 3 = 3.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1243	63.8	7.1	741.1	>200	1	Turbid
1246	63.7	7.0	906.5	>200	2.5	"
1249	63.6	7.0	881.2	>200	3.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 3.5

Sampling Time: 1255 Sampling Date: 6/27/01

Sample I.D.: MW-2 Laboratory: Sequoia Columbia (Other) KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010627-EQ	Site: 98995740
Sampler: Treir	Date: 6/27/01
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.10	Depth to Water: 12.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:
- ~~Bailer~~
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other ___

Sampling Method: ~~Bailer~~
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ___

1.2 (Gals.) X 3 = 4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1215	66.5	7.3	707.0	>200	1.5	Turbid
1218	66.3	7.2	640.9	>200	3	"
1221	66.1	7.1	665.9	>200	4	"

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Time: 1230 Sampling Date: 6/27/01

Sample I.D.: MW-3 Laboratory: Sequoia Columbia (Other) KIFF

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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

O.R.P. (if req'd): Pre-purge: mV Post-purge: mV

WELL GAUGING DATA

Project # 010531-C3 Date 5-31-01 Client Equiva

Site 2120 Montana St.

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	
MW-1	2					13.00	28.21	↓	
MW-2	2					11.40	20.04		
MW-3	2					12.22	20.03		

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010531-C3	Site: 2120 Montana St.
Sampler: Hank	Date: 5-31-01
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 25.21	Depth to Water: 13.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer / ✓Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / ✓Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

2.4 (Gals.) X 3 = 7.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1440	72.2	7.8	671	>200	2.4	Odor
1444	72.3	7.5	668	>200	4.8	↓
1448	72.1	7.7	674	>200	7.2	↓

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Time: 1453 Sampling Date: 5-31-01

Sample I.D.: MW-1 Laboratory: (Kiff) Sequoia Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 010531-C3	Site: 2120 Montana St.
Sampler: Hank	Date: 5-31-01
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.04	Depth to Water: 11.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer / ✓Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / ✓Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

1.3 (Gals.) X	3	=	3.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1403	73.2	6.0	1013	>200	1.3	Odor
1406	73.4	6.1	1032	>200	2.6	↓
1409	73.1	6.0	1048	>200	4	↓

Did well dewater? Yes (No) Gallons actually evacuated: ~~5~~ 4

Sampling Time: 1414 Sampling Date: 5-31-01

Sample I.D.: MW-2 Laboratory: (Kiff) Sequoia Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 010531-C3	Site: 2120 Montana St.
Sampler: Hank	Date: 5-31-01
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.03	Depth to Water: 12.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer / ✓Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / ✓Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

1.2 (Gals.) X 3 = 3.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1423	72.1	6.8	1007	>200	1.2	odor
1426	71.8	6.9	1116	>200	2.4	↓
1429	71.7	7.0	1121	>200	3.6	↓

Did well dewater? Yes (No) Gallons actually evacuated: 3.6

Sampling Time: 1434 Sampling Date: 5-31-01

Sample I.D.: MW-3 Laboratory: (Kiff) Sequoia Other_____

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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