CAMBRIA

R0220

October 18, 2002

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

Re: **Second Quarter 2002 Monitoring Report**
Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749
Cambria Project #244-0734

Dear Mr. Chan:

Effective March 1, 2002, Equiva Services LLC (Equiva) and Equilon Enterprises LLC are now doing business as (dba) Shell Oil Products US (Shell). On behalf of Shell, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

HISTORICAL HYDROCARBON REMOVAL SUMMARY

A total of 707 pounds of vapor-phase hydrocarbons were removed by a soil-vapor extraction (SVE) system that operated at the site between August 1993 and February 1995.

SECOND QUARTER 2002 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California collected dissolved oxygen (DO) measurements, gauged water levels, sampled all wells, calculated groundwater elevations and compiled the gasoline constituents analytical data. Cambria compiled the non-gasoline constituents analytical data (Table 1) and 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

Bio-Attenuation Parameter Monitoring: Bio-attentuation parameters have been measured in groundwater samples to determine the status of, and trends in, aerobic degradation of the site hydrocarbons in groundwater. In typical reducing environments, an inverse relationship between benzene, toluene, ethylbenzene and xylenes (BTEX) concentrations and oxygen, nitrate, and sulfate concentrations, and a direct relationship between BTEX and ferrous iron concentrations are expected. The observed relationships between measured BTEX concentrations and the bioparameters are indicated in Table 1. In general, the evidence indicates that biological degradation of BTEX is occurring in groundwater at the site. Beginning in 2003, bio-attenuation parameters will be monitored in wells VEW-5, -6, and -7 and MW-4, -9, and -10 only.

Air-Sparge and SVE (AS/SVE) System Start-up: In Cambria's *Subsurface Investigation Report and Vapor-Extraction Test Report* dated May 12, 2000, Cambria proposed installation of an air-sparge and vapor-extraction system to remediate hydrocarbons within soil and groundwater. Cambria's proposal for installation of the AS/SVE system was approved by the Alameda County Health Care Services Agency in a letter to Equiva dated June 21, 2000. On June 28, 2000, three additional AS/SVE wells (AS-1/VEW-5, AS-2/VEW-6, AS-3/VEW-7) were installed. The AS/SVE system was started on March 25, 2002. In accordance with Bay Area Air Quality Management District (BAAQMD) Permit to Operate #3356, vapor monitoring using an organic vapor analyzer (OVA) was conducted on a daily basis for the first five days of operation, after which time BAAQMD approved Cambria's request to reduce monitoring frequency to monthly. In addition to OVA monitoring, influent, midfluent and effluent vapor samples are collected and analyzed for TPHg, BTEX and MTBE using EPA Method 8260B. Analytical results and vapor monitoring data are summarized in Table 2. Laboratory reports and field data sheets for the AS/SVE system are included as Attachment B.

ANTICIPATED THIRD QUARTER 2002 ACTIVITIES

Groundwater Monitoring: The next sampling event is scheduled for the third quarter of 2002. At that time, Blaine will collect DO measurements, gauge water levels, sample selected site wells and tabulate the data. Cambria will prepare a monitoring report.

Air-Sparge and SVE System Operation: A concentration of 20 parts per million by volume TPHg was detected in the effluent vapor sample collected on July 30, 2002. Upon receipt of this information from the laboratory, Cambria shut down the AS/SVE system pending carbon changeout. Carbon changeout took place on September 13, 2002 and the system was restarted.

Cambria will continue to operate the AS/SVE system. In accordance with the BAAQMD Permit to Operate, Cambria will monitor influent, midfluent and effluent vapor concentrations on a monthly basis.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Melody Munz at (510) 420-3324 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Melody Munz
Project Engineer

Matthew W. Derby, P.E.
Senior Project Manager

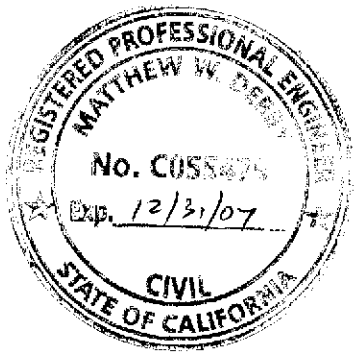

Figure: 1 - Groundwater Elevation Contour Map

Table: 1 - Groundwater Analytical Data - Other Constituents
2 - Analytical Results and Monitoring Data for Vapor Extraction System

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes
B - AS/SVE System Field Sheets and Laboratory Reports

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
J.T., Elizabeth G., W.T., and Jeanette Watters, Tr., c/o Property Tax Dept, PO Box 2099, Houston, TX 77252-1413

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10/18/02

Groundwater Elevation Contour Map

May 1, 2002

EXPLANATION

VEW-5/AS-1	Co-axial vapor and sparge well (6/28/00)
SB-1	Soil boring location
MW-1	Groundwater monitoring well
VEW-1	Soil vapor extraction well
VEW-4	Dual completion air sparging/soil vapor extraction well
VEW-5	Abandoned well
(VEW-3)	Well proposed for abandonment
NS	Not surveyed
NA	Not available
*	Data anomalous, not used for contouring
→	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; MTBE results in parentheses were analyzed by EPA Method 8020. Date is most recent sampling unless otherwise indicated

LEET DRIVE

HEGENBERGER ROAD

Open Water Channel

berm

bike path

truck storage area

existing remediation container

former USTs

waste oil tank

building

planter

canopy

USTs

car wash

parking

sidewalk

MW-3
6.48
<1.0
430

MW-8
7.36*
<0.50
<5.0

MW-10
5.99*
16,000
890

MW-4
6.00
<0.50
<5.0

MW-2
6.70
<2.5
1,300

Ø MW-5

VEW-4

VEW-6
NS
1,800
3,100

AS-2
NS
19
57

Ø VEW-5

MW-1
6.71
2,100
1,500

MW-6
6.57
2.0
220

MW-9
7.10*
11,000
<500

VEW-1

VEW-2

(VEW-3)

MW-7 Ø

6.00

5.00

4.00

SB-1

SB-2

SB-3

VEW-7
NS
6.3
1,100

AS-3
NS
41 - 11/5/01
240 - 11/5/01

VEW-5
NS
610
310

AS-1
NS
85 - 11/5/01
190 - 11/5/01

MW-11
NA
<0.50 - 5/8/02
<5.0 - 5/8/02

MW-13
3.30
<0.50
<5.0

MW-12
NA
<0.50 - 5/8/02
<5.0 - 5/8/02

0 20 40
APPROXIMATE SCALE IN FEET

FIGURE
1

Shell-branded Service Station
285 Hegenberger Road
Oakland, California
Incident #98995749

CAMBRIA

G:\OAKLAND\285HEGENBERGER\FIGURES\2QM02-MP.AI

Table 1. **Groundwater Analytical Data - Other Constituents** - Shell-branded Service Station, Incident #98995749, 285 Hegenberger Road, Oakland, California

Well ID	Date	Motor Oil	Nitrate as Nitrate	Sulfate	Ferrous Iron	DO	ORP (millivolts)
		← (Concentrations in ppm) →					
MW-1	06/10/98	----	<1.0	3.3	14	0.5/0.5	-163/-178
	06/10/98[dup]	----	<1.0	5.1	14	0.5/0.5	-163/-178
	12/30/98	<0.250	<1.0	6.8	9.2	1.6/1.4	-119/-107
	06/25/99	----	0.0800	1.39	11.40	1.2/2.1	-150/-148
	12/28/99	0.507	<5.00	<5.00	3.80	1.4/1.8	-156/-152
	05/31/00	<0.500	<1.00	11.9	1.30	0.98/2.27	2/-130
	10/17/00	<0.5	<0.200	2.68	7.98	4.0/3.1	-122/-114
	05/01/01	0.297	<0.2	<1	0.541	1.6/1.3	-125/-130
	11/07/01	<5	<0.2	<1	3.4	2.1/1.4	-42/-56
	05/01/02	**<0.1**	**<0.2**	**<1**	**4.7**	**3.4/2.3**	**-87/-108**
MW-2	06/10/98	----	<1.0	47	5.1	0.7/0.6	-155/-161
	12/30/98	<0.250	<1.0	84	7.6	1.3/1.2	-96/-107
	06/25/99	----	<0.0500	126	7.97	2.3/2.5	-101/-106
	12/28/99	<0.500	<5.00	98.8	0.380	2.1/2.4	-112/-120
	05/31/00	<0.500	6.89	129	0.130	1.8/2.7	-15/-73
	10/17/00	---	---	---	---	---	---
	11/05/01	<0.1	<0.2	3	0.43	0.6/1.1	-81/-111
	05/01/02	**<0.1**	**<0.2**	**380**	**0.19**	**6.2/0.9**	**-62/-50**
MW-3	06/10/98	----	<1.0	15	3.5	0.8/0.9	-101/-149
	12/30/98	<0.250	<1.0	21	2.1	1.3/1.4	-84/-76
	06/25/99	----	<0.0500	4.74	8.73	1.4/1.9	-138/-148
	12/28/99	<0.500	<5.00	5.10	0.260	1.3/1.5	-86/-74
	05/31/00	<0.500	<1.00	19.3	22.6	1.2/2.2	-68/-103
	10/17/00	<0.5	<1.00	21.2	5.78	2.0/2.1	152/138
	05/01/01	<0.25	---	8.72	0.328	1.9/2.7	-63/-95
	05/29/01	---	0.45	---	---	3.0/1.9	78/-8
	11/05/01	<0.1	<0.2	6.6	0.19	0.5/1.9	-119/113
	05/01/02	**0.39**	**0.83**	**20**	**<0.1**	**4.1/0.7**	**-82/-44**
MW-4	12/30/98	<0.250	<1.0	9.6	1.6	1.7/1.6	-118/-111
	12/28/99	<0.500	<5.00	<5.00	<0.0100	1.4/1.5	-121/-117
	05/31/00	<0.500	---	---	---	---	---
	10/17/00	0.513	1.05	16.0	0.338	3.8/4.0	167/131
	11/05/01	<0.1	0.2	12	0.46	1.3/1.5	-126/112
	05/01/02	**<0.1**	**<0.2**	**7.4**	**0.43**	**2.6/1.1**	**146/-90**

Table 1. **Groundwater Analytical Data - Other Constituents** - Shell-branded Service Station, Incident #98995749, 285 Hegenberger Road, Oakland, California

Well ID	Date	Motor Oil	Nitrate as Nitrate	Sulfate	Ferrous Iron	DO	ORP (millivolts)
		← (Concentrations in ppm) →					
MW-6	06/10/98	----	<1.0	7.4	1.8	0.4/0.4	-159/-155
	12/30/98	<0.250	<1.0	120	0.46	2.1/1.6	-98/-107
	06/25/99	----	0.101	22.1	12.80	1.4/3.6	-143/-136
	12/28/99	0.568	<5.00	147	0.320	1.8/2.0	-108/-96
	05/31/00	<0.500	<1.00	19.2	0.704	0.92/2.30	-31/-91
	10/17/00	<0.5	<1.00	<5.00	3.31	2.5/2.1	-107/-126
	05/01/01	0.416	---	4.88	<0.1	2.2/1.6	-107/-112
	05/29/01	---	<0.1	---	---	2.0/1.3	33/-65
	11/07/01	<5	<0.2	44	2.4	2.4/1.8	60/51
	05/01/02	**<0.1**	**<0.2**	**10**	**<0.1**	**2.5/2.0**	**-111/-130**
MW-8	12/30/98	<0.250	12	54	0.031	0.8/0.9	-128/-121
	12/28/99	<0.500	<5.00	<5.00	<0.0100	1.0/0.9	-136/-121
	05/31/00	---	---	---	---	---	---
	10/17/00	<0.5	<1.00	23.2	1.12	4.0/4.1	114/119
	11/05/01	<0.1	0.59	22	0.13	0.6/1.3	-66/-75
	05/01/02	**<0.1**	**2.1**	**18**	**<0.1**	**0.6/3.6**	**30/87**
MW-9	06/10/98	----	<1.0	6.6	21	0.3/0.4	-169/-188
	12/30/98	<0.250	<1.0	6.4	9.3	1.1/1.2	-107/-111
	06/25/99	----	0.0900	1.25	19.80	1.2/2.4	-164/-153
	12/28/99	<0.500	<5.00	<5.00	0.660	1.0/1.1	-111/-115
	05/31/00	<0.500	<1.00	13.9	1.41	2.8/a	-21/162
	10/17/00	<0.5	<1.00	<5.00	13.3	3.0/3.5	-126/-132
	05/01/01	<0.250	---	<1	2.66	1.6/1.0	-144/-154
	05/29/01	---	<0.1	---	---	1.9/1.5	45/-96
	11/07/01	<5	<0.2	<1	2.7	1.4/1.1	-39/-54
	05/01/02	**<0.1**	**<0.2**	**<1**	**12**	**2.9/1.1**	**-111/-181**
MW-10	06/10/98	----	<1.0	6.3	17	0.7/0.5	-149/-162
	12/30/98	<0.250	<1.0	8.0	17	1.0/0.7	-72/-89
	06/25/99	----	0.134	<1.00	15.80	0.9/2.5	-139/-119
	12/28/99	0.604	0.998	<5.00	2.20	1.2/1.4	-87/-92
	05/31/00	<0.500	<1.00	12.4	3.22	2.8/3.9	-28/-93
	10/17/00	<0.5	<1.00	<5.00	8.30	2.3/3.0	-160/-113
	05/01/01	0.884	---	<1	2.34	2.0/1.1	-129/-137
	05/29/01	---	<0.1	---	---	3.70/1.8	-15/-50
	11/07/01	<5	<0.2	<1	2.4	1.8/1.0	-139/-147
	05/01/02	**<0.1**	**<0.2**	**<1**	**1.9**	**4.0/0.5**	**-121/-113**

Table 1. **Groundwater Analytical Data - Other Constituents** - Shell-branded Service Station, Incident #98995749, 285 Hegenberger Road, Oakland, California

Well ID	Date	Motor Oil	Nitrate as Nitrate	Sulfate	Ferrous Iron	DO	ORP
		← (Concentrations in ppm) →					(millivolts)
MW-11	12/30/98	<0.250	<1.0	1,000	0.21	0.7/0.6	-86/-74
	12/28/99	<0.500	<5.00	<5.00	<0.0100	0.8/1.0	-94/-67
	05/31/00	---	---	---	---	---	---
	10/17/00	<0.50	<1.00	1,140	1.74	4.1/4.0	81/64
	05/08/02	**<5**	**3.8**	**1,000**	**1.2**	**1.0/1.1**	**-33/-21**
MW-12	12/30/98	<0.250	6.1	1,500	0.06	1.3/0.9	-119/-106
	12/28/99	<0.500	<5.00	<5.00	<0.0100	1.0/1.2	-120/-110
	05/31/00	---	---	---	---	---	---
	10/17/00	<0.50	<1.00	182	0.0107	5.1/3.0	15/24
	05/08/02	**<5**	**12**	**170**	**<0.10**	**1.2/0.9**	**17/26**
MW-13	12/30/98	<0.250	7.2	230	0.031	1.1/0.8	-111/-104
	12/28/99	<0.500	<5.00	<5.00	<0.0100	0.8/1.0	-117/-115
	05/31/00	---	---	---	---	---	---
	10/17/00	<0.5	<1.00	1,800	0.169	2.5/2.8	-10/19
	05/01/02	**<0.1**	**10**	**280**	**<0.1**	**3.5/3.5**	**96/102**
VEW-5	10/17/00	<1	<1.00	15.0	2.64	3.0/3.1	-112/-126
	05/01/01	1.45	---	---	2.4	0.4/0.6	-95/-133
	11/05/01	<100	<0.2	<1	5.6	0.6/a	-108/a
	05/01/02	**<0.1**	**0.2**	**21**	**19**	**4.7/2.9**	**492/-0**
VEW-6	10/17/00	<1	<1.00	17.7	4.16	2.0/2.1	-92/-115
	05/01/01	0.805	---	---	1.67	0.8/1.2	-108/-129
	05/29/01	---	0.49	---	---	3.0/1.7	-13//-53
	11/05/01	<100	<0.2	14	5.6	0.8/1.3	-145/-127
	05/01/02	**<0.1**	**<0.2**	**13**	**3.3**	**0.2/0.4**	**-177/-182**
VEW-7	10/17/00	<1	<0.200	1.96	508	3.5/4.1	-87/-82
	05/01/01	0.348	---	---	1.97	0.8/0.8	-102/-120
	05/29/01	---	0.43	---	---	2.5/1.4	-21/-75
	11/05/01	<100	<0.2	4.1	4.8	3.52/a	-113/-147
	05/01/02	**<0.1**	**<0.2**	**41**	**0.62**	**2.9/3.3**	**110/0**

Table 1. **Groundwater Analytical Data - Other Constituents** - Shell-branded Service Station, Incident #98995749, 285 Hegenberger Road, Oakland, California

Well ID	Date	Motor Oil	Nitrate as Nitrate	Sulfate	Ferrous Iron	DO	ORP (millivolts)
		← (Concentrations in ppm) →					
AS-1	10/17/00	<1	<1.00	965	0.708	2.0/2.5	-109/-79
	11/05/01	<100	<0.2	830	0.21	0.4/0.5	-122/150
AS-2	10/17/00	<0.5	<1.00	3,810	2.46	3.1/3.0	-65/-69
	11/05/01	<100	<10	4,100	8.8	0.8/0.6	-97/-132
	05/01/02	<0.1	<2	5,500	0.34	1.0/0.8	0/-163
AS-3	10/17/00	1.26	<1.00	493	0.0402	3.1/3.0	26/29
	11/05/01	<100	<0.2	450	0.13	1.1/3.2	-71/-62

Ideal Aerobic Degradation Relationship:	Inverse	Inverse	Direct	Inverse	Direct
Observed Relationship:	Inconclusive	Slightly Inverse	Moderately Direct	Moderately Inverse	Inconclusive

Abbreviations:

ppm = Parts per million
DO = Dissolved oxygen, measured in the field, reported as pre-purge/post-purge
ORP = Oxidation reduction potential, measured in the field, reported as pre-purge/post-purge

Notes:

---- = Not analyzed
<n = Below detection limit of n ppm
Motor oil by DHS LUFT
Ferrous iron analyzed by EPA Method 200.7
Nitrate as nitrate and sulfate analyzed by EPA Method 300.0
a = Post-purge reading not taken

Table 2: Analytical Results and Monitoring Data for Vapor Extraction System - Shell-branded Service Station, Incident #98995749, 285 Hegenberger Road, Oakland, CA 94621

	INFLUENT				MIDFLUENT				EFFLUENT			
Sample Date (mm/dd/yy)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	MTBE Conc (ppmv)	OVA Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc (ppmv)	MTBE Conc (ppmv)	OVA Conc. (ppmv)	TPHg Conc. (ppmv)	Benzene Conc. (ppmv)	MTBE Conc (ppmv)	OVA Conc. (ppmv)
03/25/02	<5.0	<0.050	<0.10	1	<5.0	<0.050	<0.10	0	<5.0	<0.050	<0.10	0
03/26/02				1				0				0
03/27/02				0				0				0
03/28/02	<5.0	<0.050	<0.10	1	<5.0	<0.050	<0.10	0	<5.0	<0.050	<0.10	0
03/29/02				0				0				0
04/30/02	300	3.40	<0.20		14	0.12	<0.10		5	0.05	<1.0	0
05/09/02				438				29				--
05/14/02	52	1.70	0.32	519	<5.0	<0.050	<0.10	74	<5.0	<0.050	<0.10	18
06/03/02				1,070				89				0
06/25/02				1,152				112				0
07/05/02	91	1.60	0.12	1,724	<5.0	<0.050	<0.10	129	<5.0	<0.050	<0.10	0
07/16/02				1,611				150				0
07/30/02	120	1.50	0.16	1,470	<5.0	<0.050	<0.10	110	20	<0.050	1.40	0
08/13/02				1,941				142				0
08/13/02	System shut down for Carbon Change Out											

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline
BTEX = benzene, toluene, ethlybenzene and xylenes
MTBE = Methyl tert-butyl ether
ppmv = parts per million by volume
OVA = organic vapor analyzer
BTEX and MTBE analyzed by EPA Method 8060B
"--" no reading taken

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

May 23, 2002

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2002 Groundwater Monitoring at
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA

Monitoring performed on May 1 and 8, 2002

Groundwater Monitoring Report **020501-DW-1**

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,

Leon Gearhart
Project Coordinator

LG/jt

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

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WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-1	02/16/1989	99,000	NA	20,000	23,000	5,700	2,300	NA	NA	6.64	3.83	2.81	NA
MW-1	05/23/1989	48,000	11,000	4,200	5,200	1,200	7,700	NA	NA	6.64	3.59	3.05	NA
MW-1	08/03/1989	63,000	11,000	5,500	5,500	3,200	9,500	NA	NA	6.64	4.04	2.60	NA
MW-1	12/15/1989	30,000	11,000	ND	ND	ND	ND	NA	NA	6.64	4.22	2.42	NA
MW-1	02/07/1990	93,000	10,000	13,000	9,600	2,400	14,000	NA	NA	6.64	4.60	2.04	NA
MW-1	04/18/1990	55,000	8,700	14,000	8,400	3,200	13,000	NA	NA	6.64	4.02	2.62	NA
MW-1	07/23/1990	73,000	3,600	16,000	7,400	2,800	15,000	NA	NA	6.64	4.17	2.47	NA
MW-1	09/27/1990	45,000	1,700	8,000	4,300	2,000	11,000	NA	NA	6.64	4.60	2.04	NA
MW-1	01/03/1991	43,000	3,100	10,000	3,400	1,900	11,000	NA	NA	6.64	4.88	1.76	NA
MW-1	04/10/1991	67,000	1,800	20,000	9,600	3,500	16,000	NA	NA	6.64	3.55	3.09	NA
MW-1	07/12/1991	NA	NA	NA	NA	NA	NA	NA	NA	6.64	3.97	2.67	NA
MW-1	10/08/1991	55,000	7,400	18,000	3,500	2,300	8,600	NA	NA	6.64	4.26	2.38	NA
MW-1	02/06/1992	48,000	15,000 a	12,000	2,800	1,900	7,400	NA	NA	6.64	4.94	1.70	NA
MW-1	05/04/1992	71,000	10,000 a	16,000	6,000	3,100	14,000	NA	NA	6.64	3.58	3.06	NA
MW-1	07/28/1992	68,000	18,000 a	21,000	5,500	3,400	15,000	NA	NA	6.64	3.91	2.73	NA
MW-1 (D)	07/28/1992	70,000	19,000 a	17,000	5,000	2,700	13,000	NA	NA	6.64	3.91	2.73	NA
MW-1	10/27/1992	53,000	1,300	18,000	3,700	3,400	11,000	NA	NA	6.64	4.79	1.85	NA
MW-1 (D)	10/27/1992	48,000	2,500 a	17,000	3,600	3,100	9,900	NA	NA	6.64	4.79	1.85	NA
MW-1	01/14/1993	84,000	2,200 a	17,000	5,400	3,000	13,000	NA	NA	6.64	3.39	3.25	NA
MW-1	04/23/1993	100,000	2,300 a	18,000	7,800	4,700	20,000	NA	NA	6.64	2.67	3.97	NA
MW-1	07/20/1993	41a	3,100 a	12,000	870	1,500	4,400	NA	NA	9.50	3.48	6.02	NA
MW-1	10/18/1993	33,000	8,100 a	14,000	1,200	2,000	4,900	NA	NA	9.50	4.20	5.30	NA
MW-1 (D)	10/18/1993	44,000	3,700 a	14,000	1,200	2,000	4,900	NA	NA	9.50	4.20	5.30	NA
MW-1	01/06/1994	71,000	9,000 a	9,000	870	1,600	5,100	NA	NA	9.50	4.13	5.37	NA
MW-1	04/12/1994	42,000	5,900	6,600	170	2,300	4,700	NA	NA	9.50	2.42	7.08	NA
MW-1 (D)	04/12/1994	40,000	4,700	6,300	180	2,000	4,400	NA	NA	9.50	2.42	7.08	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-1	07/25/1994	13,000	7,000 a	4,400	110	460	1,400	NA	NA	9.50	3.37	6.13	NA
MW-1	10/25/1994	19,000	3,900	5,500	210	880	2,000	NA	NA	9.50	4.07	5.43	NA
MW-1	01/09/1995	37,000	8,600 a	6,700	800	2,800	8,900	NA	NA	9.50	2.65	6.85	NA
MW-1	04/11/1995	26,000	5,500	4,700	270	1,800	3,400	NA	NA	9.50	2.38	7.12	NA
MW-1	07/18/1995	57,000	7,000	7,500	880	4,100	11,000	NA	NA	9.50	3.49	6.01	NA
MW-1 (D)	07/19/1995	46,000	6,600	6,000	670	3,200	7,500	NA	NA	9.50	3.49	6.01	NA
MW-1	10/18/1995b	37,000	3,200	5,400	450	2,600	7,400	10,000	NA	9.50	NA	NA	NA
MW-1	01/09/1996	32,000	NA	3,000	240	1,900	3,500	6,100	NA	9.50	2.95	6.55	NA
MW-1	04/02/1996	30,000	NA	3,100	260	2.0	3,900	8.0	NA	9.50	2.00	7.50	NA
MW-1	10/03/1996	18,000	2,800	3,000	120	1,200	1,700	7,500	NA	9.50	3.21	6.29	2.2
MW-1	04/03/1997	29,000	3,000	2,300	170	2,300	2,900	4,300	NA	9.50	2.84	6.66	2.2
MW-1	10/08/1997	22,000	3,600	920	71	2,400	2,200	820	NA	9.50	2.58	6.92	1.5
MW-1	06/10/1998	13,000	2,900	860	<100	1,300	500	29,000	32,000	9.50	2.67	6.83	0.5/0.5
MW-1 (D)	06/10/1998	9,400	2,100	870	<50	1,300	520	28,000	NA	9.50	2.67	6.83	0.5/0.5
MW-1	12/30/1998	6,930	1,540	714	52.7	243	<25.0	9,000	NA	9.50	4.68	4.82	1.6/1.4
MW-1 *	06/25/1999	12,600	NA	1,110	44.7	1,340	710	6,080	NA	9.50	2.86	6.64	1.2/2.1
MW-1	12/28/1999	3,260	1,170	527	14.0	50.7	40.3	5,430	7,060b	9.50	3.23	6.27	1.4/1.8
MW-1	05/31/2000	6,820	2,050	1,620	<50.0	116	<50.0	6,070	4,710	9.50	2.39	7.11	0.98/2.27
MW-1	10/17/2000	2,530	995 a	388	<10.0	16.4	22.1	917	NA	9.50	2.05	7.45	4.0/3.1
MW-1	05/01/2001	12,300	1,510	1,480	19.5	205	111	4,160	NA	9.50	3.55	5.95	1.6/1.3
MW-1	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	9.85 e	4.43	5.42	0.4
MW-1	11/07/2001	3,000	<1,000	290	6.0	11	15	NA	870	9.85	4.00	5.85	2.1/1.4
MW-1	**05/01/2002**	**11,000**	**<2,000**	**2,100**	**29**	**180**	**68**	**NA**	**1,500**	**9.85**	**3.14**	**6.71**	**3.4/2.3**
MW-2	02/16/1989	20,000	NA	200	900	2,700	9,600	NA	NA	7.68	5.33	2.35	NA
MW-2	05/23/1989	1,500	1,600	4.3	2.9	11	150	NA	NA	7.68	5.23	2.45	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-2	08/03/1989	15,000	7,400	75	120	850	2,200	NA	NA	7.68	6.03	1.65	NA
MW-2	12/15/1989	5,000	2,600	52	13	4.1	290	NA	NA	7.68	6.43	1.25	NA
MW-2	02/07/1990	13,000	4,800	32	34	230	640	NA	NA	7.68	5.82	1.86	NA
MW-2	04/18/1990	9,800	3,200	33	19	460	1,700	NA	NA	7.68	5.88	1.80	NA
MW-2	07/23/1990	9,600	2,700	41	27	540	940	NA	NA	7.68	6.05	1.63	NA
MW-2	10/01/1990	390	1,600	3.4	15	8.5	25	NA	NA	7.68	NA	NA	NA
MW-2	01/03/1991	1,800	830	56	4.4	4.8	92	NA	NA	7.68	6.82	0.86	NA
MW-2	04/10/1991	1,900	280	ND	28	140	490	NA	NA	7.68	4.80	2.88	NA
MW-2	07/12/1991	8,100	1,100	89	66	350	930	NA	NA	7.68	5.70	1.98	NA
MW-2	10/08/1991	1,400	2,600	5.1	1.5	36	270	NA	NA	7.68	6.40	1.28	NA
MW-2	02/06/1992	2,000	5,400 a	7.8	2.5	130	210	NA	NA	7.68	6.40	1.28	NA
MW-2	05/04/1992	21	1,000	ND	ND	300	960	NA	NA	7.68	4.68	3.00	NA
MW-2	07/28/1992	2,100	830 a	7.7	3.3	130	310	NA	NA	7.68	5.86	1.82	NA
MW-2	10/27/1992	1,100	530	16	3.1	4.5	25	NA	NA	7.68	6.96	0.72	NA
MW-2	01/14/1993	290	170 a	5.2	3.1	8.4	21	NA	NA	7.68	4.12	3.56	NA
MW-2	04/23/1993	2,400	1,200 a	ND	ND	210	610	NA	NA	7.68	3.84	3.84	NA
MW-2	07/20/1993	440	130	1.7	1.7	15	38	NA	NA	10.55	5.17	5.38	NA
MW-2	10/18/1993	2,100	1,600 a	ND	ND	90	110	NA	NA	10.55	6.20	4.35	NA
MW-2	01/06/1994	1.9a	130	ND	6.7	7.1	12	NA	NA	10.55	5.39	5.16	NA
MW-2	04/12/1994	120	130	ND	ND	3.4	4.3	NA	NA	10.55	4.72	5.83	NA
MW-2	07/25/1994	0.18a	280 a	5.3	ND	6.2	8.2	NA	NA	10.55	5.44	5.11	NA
MW-2	10/25/1994	170	400	ND	ND	ND	ND	NA	NA	10.55	6.73	3.82	NA
MW-2	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.55	4.34	6.21	NA
MW-2	04/11/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.55	3.72	6.83	NA
MW-2	07/18/1995	250	160	2.8	0.5	12	13	NA	NA	10.55	4.91	5.64	NA
MW-2	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.55	5.88	4.67	NA

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MW-2	01/09/1996	790	130	5.1	1.5	2.4	4.6	1,400	NA	10.55	4.75	5.80	NA
MW-2	04/02/1996	260	NA	<2	<2	13	6.9	540	NA	10.55	3.25	7.30	NA
MW-2	10/03/1996	<2,000	620	<20	<20	<20	<20	13,000	NA	10.55	5.27	5.28	2.3
MW-2	04/03/1997	<1,000	190	<10	<10	<10	<10	2,800	NA	10.55	3.99	6.56	2.2
MW-2	10/08/1997	<5,000	1,100	<50	<50	<50	<50	d	NA	10.55	5.03	5.52	1.6
MW-2	06/10/1998	120	310	1.7	<1.0	<1.0	<1.0	3,800	NA	10.55	4.11	6.44	0.7/0.6
MW-2	12/30/1998	<5,000	1,050	<50.0	<50.0	<50.0	<50.0	12,100	15,300	10.55	4.76	5.79	1.3/1.2
MW-2 *	06/25/1999	<1,000	NA	<10.0	<10.0	<10.0	<10.0	7,570	NA	10.55	4.63	5.92	2.3/2.5
MW-2	12/28/1999	228	446	4.54	<0.500	<0.500	<0.500	4,260	NA	10.55	4.95	5.60	2.1/2.4
MW-2	05/31/2000	597	187	19.3	<0.500	0.860	<0.500	2,480	NA	10.55	4.06	6.49	1.8/2.7
MW-2	10/17/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	10.55	NA	NA	NA
MW-2	11/05/2001	<500	610	<5.0	<5.0	<5.0	<5.0	NA	1,800	10.55	6.12	4.43	0.6/1.1
MW-2	**05/01/2002**	**440**	**<50**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**NA**	**1,300**	**10.55**	**3.85**	**6.70**	**6.2/0.9**
MW-3	02/16/1989	60,000	NA	5,500	ND	3,200	5,200	NA	NA	7.81	5.17	2.64	NA
MW-3	05/23/1989	ND	1,500	ND	200	ND	ND	NA	NA	7.81	5.09	2.72	NA
MW-3	08/03/1989	2,000	1,200	120	ND	ND	86	NA	NA	7.81	5.34	2.47	NA
MW-3	12/15/1989	5,200	1,700	380	12	17	410	NA	NA	7.81	6.02	1.79	NA
MW-3	02/07/1990	260	230	17	47	5.4	2.5	NA	NA	7.81	4.95	2.86	NA
MW-3	04/18/1990	260	ND	ND	ND	ND	9.4	NA	NA	7.81	5.55	2.26	NA
MW-3	07/23/1990	510	210	46	ND	ND	9.3	NA	NA	7.81	5.81	2.00	NA
MW-3	09/27/1990	460	350	6.3	1.2	ND	15	NA	NA	7.81	6.86	0.95	NA
MW-3	01/03/1991	4,800	630	920	1.7	ND	190	NA	NA	7.81	6.84	0.97	NA
MW-3	04/10/1991	120	60	1.2	8.8	3.5	21	NA	NA	7.81	4.93	2.88	NA
MW-3	07/12/1991	430	ND	12	0.8	ND	7.7	NA	NA	7.81	5.56	2.25	NA

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MW-3	10/08/1991	770	560	140	ND	ND	53	NA	NA	7.81	6.62	1.19	NA
MW-3	02/06/1992	500	340 a	74	0.7	5.2	5.3	NA	NA	7.81	6.28	1.53	NA
MW-3	05/04/1992	310	290 a	47	0.9	17	16	NA	NA	7.81	4.65	3.16	NA
MW-3	07/28/1992	780	100 a	130	ND	13	4.2	NA	NA	7.81	5.56	2.25	NA
MW-3	10/27/1992	740	69a	92	ND	7.8	9.6	NA	NA	7.81	6.65	1.16	NA
MW-3	01/14/1993	ND	ND	2.4	2.8	ND	ND	NA	NA	7.81	3.88	3.93	NA
MW-3	04/23/1993b	NA	NA	NA	NA	NA	NA	NA	NA	7.81	NA	NA	NA
MW-3	07/20/1993b	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	10/18/1993b	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	NA	NA	NA
MW-3	01/06/1994	130	64	1.7	ND	ND	0.93	NA	NA	11.25 (TOB)	5.54	NA	NA
MW-3	04/12/1994	ND	75	0.82	ND	ND	0.7	NA	NA	11.25 (TOB)	4.82	NA	NA
MW-3	07/25/1994	0.06a	ND	2.8	ND	ND	0.7	NA	NA	11.25 (TOB)	6.03 (TOB)	5.22	NA
MW-3	10/25/1994	70	100	ND	ND	ND	ND	NA	NA	11.25 (TOB)	6.48	NA	NA
MW-3	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	11.25 (TOB)	4.86 (TOB)	6.39	NA
MW-3	04/11/1995	ND	ND	ND	ND	ND	ND	NA	NA	11.25 (TOB)	4.22 (TOB)	7.03	NA
MW-3	07/18/1995	ND	90	2.8	ND	ND	ND	NA	NA	11.25 (TOB)	5.44 (TOB)	5.81	NA
MW-3	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.72	NA	NA
MW-3	01/09/1996	90	90	1.7	ND	<0.5	<0.5	61	NA	11.25 (TOB)	4.96	NA	NA
MW-3	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	24	NA	11.25 (TOB)	3.43	NA	NA
MW-3	10/03/1996	<500	180	<5	<5	<5	<5	1,200	NA	11.25 (TOB)	5.39	NA	2.4
MW-3	04/03/1997	150	83	3.2	<0.50	<0.50	0.81	280	NA	11.25 (TOB)	4.20	NA	2.0
MW-3	10/08/1997	180	120	7.3	0.68	0.54	3.9	1,700	NA	11.25 (TOB)	5.51(TOB)	5.74	2.1
MW-3	06/10/1998	130	120	12	0.85	<0.50	2.1	600	NA	11.25 (TOB)	3.91(TOB)	7.34	0.8/0.9
MW-3	12/30/1998	<250	108	<2.50	<2.50	<2.50	<2.50	1,010	NA	11.25 (TOB)	5.76 (TOB)	5.49	1.3/1.4
MW-3 *	06/25/1999	269	NA	4.24	<2.50	<2.50	<2.50	1,180	NA	11.25 (TOB)	4.73	NA	1.4/1.9
MW-3	12/28/1999	333	122	41.4	6.48	6.57	21.3	2,680	NA	11.25 (TOB)	5.75 (TOB)	5.50	1.3/1.5

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MW-3	05/31/2000	1,180	89.2	19.1	1.92	3.26	<1.00	2,130	NA	11.25 (TOB)	4.96 (TOB)	6.29	1.2/2.2
MW-3	10/17/2000	156	183 a	5.22	0.819	<0.500	1.53	2,250	NA	11.25 (TOB)	5.70 (TOB)	5.55	2.0/2.1
MW-3	05/01/2001	286	95.9	<2.50	<2.50	<2.50	<2.50	1,470	NA	11.25 (TOB)	4.88 (TOB)	6.37	1.9/2.7
MW-3	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.25 (TOB)	5.25 (TOB)	6.00	3.0/1.9
MW-3	11/05/2001	<500	<50	<5.0	<5.0	<5.0	<5.0	NA	2,100	11.25 (TOB)	6.25 (TOB)	5.00	0.5/1.9
MW-3	**05/01/2002**	**<100**	**80**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**430**	**11.25 (TOB)**	**4.77 (TOB)**	**6.48**	**4.1/0.7**
MW-4	05/23/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	5.60	1.78	NA
MW-4	08/03/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.37	1.01	NA
MW-4	12/15/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.91	0.47	NA
MW-4	03/08/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.06	1.32	NA
MW-4	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	7.38	5.84	1.54	NA
MW-4	07/23/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.92	0.46	NA
MW-4	09/27/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	8.03	0.65	NA
MW-4	01/03/1991	NA	NA	NA	NA	NA	NA	NA	NA	7.38	7.54	-0.16	NA
MW-4	04/10/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	5.06	2.32	NA
MW-4	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	6.86	0.52	NA
MW-4	10/08/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.38	7.44	-0.06	NA
MW-4	02/06/1992	120	2,500 a	ND	ND	ND	ND	NA	NA	7.38	7.29	0.09	NA
MW-4	05/04/1992	ND	53	ND	ND	ND	ND	NA	NA	7.38	5.33	2.05	NA
MW-4	07/28/1992	ND	60	ND	ND	ND	ND	NA	NA	7.38	6.95	0.43	NA
MW-4	10/27/1992	ND	ND	ND	ND	ND	ND	NA	NA	7.38	7.65	-0.27	NA
MW-4	01/14/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.38	4.84	2.54	NA
MW-4	04/23/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.38	4.84	2.54	NA
MW-4	07/20/1993	ND	ND	2.2	ND	1.1	7.7	NA	NA	10.28	6.47	3.81	NA
MW-4	10/18/1993	ND	ND	ND	1.2	ND	ND	NA	NA	10.28	7.35	2.93	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-4	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.64	2.64	NA
MW-4	04/12/1994	ND	76	ND	ND	ND	ND	NA	NA	10.28	6.39	3.89	NA
MW-4	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.00	3.28	NA
MW-4	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.28	7.53	2.75	NA
MW-4	01/09/1995	ND	70 a	ND	ND	ND	ND	NA	NA	10.28	4.90	5.38	NA
MW-4	04/11/1995	ND	140	1.5	ND	0.6	3.4	NA	NA	10.28	5.04	5.24	NA
MW-4	07/18/1995	ND	160	13	3.4	ND	ND	NA	NA	10.28	6.18	4.10	NA
MW-4	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.28	6.63	3.65	NA
MW-4	01/09/1996	<50	ND	<0.5	ND	<0.5	<0.5	ND	NA	10.28	3.82	6.46	NA
MW-4	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.28	3.97	6.31	NA
MW-4	10/03/1996	<50	81	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.28	3.74	6.54	NA
MW-4	04/03/1997	<50	69	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.28	3.74	6.54	1.8
MW-4	10/08/1997	<50	75	<0.50	<0.50	<0.50	<0.50	13	NA	10.28	4.89	5.39	2.0
MW-4 (D)	10/08/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.28	4.89	5.39	2.0
MW-4	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.39	5.89	NA
MW-4	12/30/1998	<50.0	94.1	<0.500	<0.500	<0.500	0.580	7.33	NA	10.28	5.58	4.70	1.7/1.6
MW-4	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.17	6.11	NA
MW-4	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.28	4.54	5.74	1.4/1.5
MW-4	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.28	3.85	6.43	NA
MW-4	10/17/2000	<50.0	274a	<0.500	<0.500	<0.500	<0.500	9.40	NA	10.28	3.50	6.78	3.8/4.0
MW-4	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.28	4.10	6.18	NA
MW-4	11/05/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	8.4	10.28	5.21	5.07	1.3/1.5
MW-4	**05/01/2002**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**10.28**	**4.28**	**6.00**	**2.6/1.1**
MW-5	05/23/1989	26,000	7,000	1,500	280	ND	8,100	NA	NA	8.18	5.47	2.71	NA
MW-5	08/03/1989	12,000	8,700	860	94	ND	2,600	NA	NA	8.18	5.94	2.24	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-5	12/15/1989	1,000	710	22	35	18	44	NA	NA	8.18	6.75	1.43	NA
MW-5	02/07/1990	ND	620	0.8	ND	ND	ND	NA	NA	8.18	6.03	2.15	NA
MW-5	04/18/1990	19,000	5,000	4,500	850	97	8,000	NA	NA	8.18	5.80	2.38	NA
MW-5	07/23/1990	23,000	2,700	3,600	400	160	6,500	NA	NA	8.18	6.00	2.18	NA
MW-5	09/23/1990	5,400	550	1,400	26	13	1,300	NA	NA	8.18	7.18	1.00	NA
MW-5	01/03/1991	860	560	280	2.8	0.8	45	NA	NA	8.18	7.17	1.01	NA
MW-5	04/10/1991	12,000	1,800	710	130	500	2,400	NA	NA	8.18	5.25	2.93	NA
MW-5	07/12/1991	24,000	1,700	2,200	280	430	5,700	NA	NA	8.18	5.70	2.48	NA
MW-5	10/08/1991	2,800	1,400	860	13	ND	580	NA	NA	8.18	6.50	1.68	NA
MW-5	02/06/1992	1,000	1,200	300	ND	14	62	NA	NA	8.18	6.35	1.83	NA
MW-5	05/04/1992	10,000	4,100 a	1,500	350	710	2,300	NA	NA	8.18	4.87	3.31	NA
MW-5	07/28/1992	12,000	3,800 a	2,200	63	1,400	3,500	NA	NA	8.18	5.73	2.45	NA
MW-5	10/27/1992	7,500	480 a	1,100	59	230	900	NA	NA	8.18	6.98	1.20	NA
MW-5	01/14/1993	7,700	1,100 a	420	49	570	840	NA	NA	8.18	4.70	3.48	NA
MW-5	04/23/1993	110,000	1,600 a	2,900	2,500	3,400	12,000	NA	NA	8.18	4.19	3.99	NA
MW-5	07/20/1993	18a	1,200 a	1,400	84	1,500	3,200	NA	NA	10.87	5.10	5.77	NA
MW-5	10/18/1993	14,000	5,800 a	2,000	100	2,300	5,100	NA	NA	10.87	5.79	5.08	NA
MW-5	01/06/1994	81,000	1,100 a	11,000	9,300	3,600	12,000	NA	NA	10.87	5.56	5.31	NA
MW-5	04/12/1994	17,000	4,100	2,900	380	430	1,300	NA	NA	10.87	4.90	5.97	NA
MW-5	07/25/1994	5,900	5,400 a	1,500	42	34	170	NA	NA	10.87	5.38	5.49	NA
MW-5	10/25/1994	2,300	1,900 a	35	3	ND	8	NA	NA	10.87	6.16	4.71	NA
MW-5	01/09/1995	8,300	3,700 a	1,500	95	330	1,900	NA	NA	10.87	4.60	6.27	NA
MW-5	04/11/1995	7,300	9,800	1,200	230	600	550	NA	NA	10.87	3.74	7.13	NA
MW-5	07/18/1995	17,000	5,100	2,300	730	770	2,500	NA	NA	10.87	4.97	5.90	NA
MW-5	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	10.87	5.67	5.20	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-6	05/23/1989	22,000	7,000	16	6.5	7	3,400	NA	NA	8.21	5.47	2.74	NA
MW-6	08/03/1989	28,000	8,800	1,200	130	2,100	2,800	NA	NA	8.21	5.91	2.30	NA
MW-6	12/15/1989	16,000	5,500	370	92	200	180	NA	NA	8.21	5.98	2.23	NA
MW-6	02/07/1990	22,000	2,600	520	85	630	770	NA	NA	8.21	5.47	2.74	NA
MW-6	04/18/1990	21,000	5,700	900	77	2,700	2,700	NA	NA	8.21	5.80	2.41	NA
MW-6	07/23/1990	24,000	3,000	1,000	94	3,400	2,700	NA	NA	8.21	5.85	2.36	NA
MW-6	09/27/1990	22,000	ND	700	93	2,500	2,400	NA	NA	8.21	6.42	1.79	NA
MW-6	01/03/1991	25,000	960	1,000	88	2,600	3,700	NA	NA	8.21	6.73	1.48	NA
MW-6	04/10/1991	18,000	920	560	190	480	830	NA	NA	8.21	5.24	2.97	NA
MW-6	07/12/1991	9,500	1,900	670	51	1,100	920	NA	NA	8.21	5.78	2.43	NA
MW-6	10/08/1991	11,000	5,100	1,000	43	ND	ND	NA	NA	8.21	6.36	1.85	NA
MW-6	02/06/1992	7,200	1,500 a	560	8	720	160	NA	NA	8.21	6.15	2.06	NA
MW-6	05/04/1992	7,900	2,900 a	610	ND	1,500	240	NA	NA	8.21	5.07	3.14	NA
MW-6	07/28/1992	17,000	3,200 a	1,200	ND	3,000	610	NA	NA	8.21	5.85	2.36	NA
MW-6	10/27/1992	15,000	1,300 a	1,300	130	1,700	490	NA	NA	8.21	6.69	1.52	NA
MW-6	01/14/1993	4,900	1,600 a	80	31	330	37	NA	NA	8.21	4.52	3.69	NA
MW-6	04/23/1993	4,800	1,800 a	120	ND	780	73	NA	NA	8.21	4.32	3.89	NA
MW-6	07/20/1993	19a	910 a	570	18	1,100	130	NA	NA	11.04	5.39	5.65	NA
MW-6	10/18/1993	24,000	2,500 a	770	440	1,600	830	NA	NA	11.04	6.67	4.37	NA
MW-6	01/06/1994	20 a	2,300 a	450	30	530	52	NA	NA	11.04	5.66	5.38	NA
MW-6	04/12/1994	3,600	1,600	150	ND	340	21	NA	NA	11.04	4.91	6.13	NA
MW-6	07/25/1994	1,600	2,200 a	160	ND	ND	10	NA	NA	11.04	5.55	5.49	NA
MW-6 (D)	07/25/1994	1,000	2,400 a	160	ND	ND	18	NA	NA	11.04	5.55	5.49	NA
MW-6	10/25/1994	9,800	3,000 a	390	22	300	57	NA	NA	11.04	6.24	4.80	NA
MW-6	01/09/1995	2,200	800 a	74	12	400	39	NA	NA	11.04	4.58	6.46	NA
MW-6	04/11/1995	5,000	7,700	330	15	760	85	NA	NA	11.04	4.04	7.00	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-6	07/18/1995	4,200	1,700	320	11	490	22	NA	NA	11.04	5.01	6.03	NA
MW-6	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.86	5.18	NA
MW-6	01/09/1996	5,600	790	59	<5	180	12	14,000	NA	11.04	4.75	6.29	NA
MW-6	04/02/1996	1,500	NA	12	<5	170	9	1,900	NA	11.04	3.82	7.22	NA
MW-6	10/03/1996	2,600	1,800	110	<25	<25	<25	11,000	NA	11.04	5.27	5.77	2.2
MW-6	04/03/1997	<2,500	650	30	<25	32	<25	10,000	NA	11.04	4.42	6.62	2.0
MW-6	10/08/1997	1,900	1,100	31	<5.0	6.1	<5.0	2,600	NA	11.04	4.70	6.34	1.0
MW-6	06/10/1998	<1,000	1,500	17	12	14	88	14,000	NA	11.04	4.36	6.68	0.4/0.4
MW-6	12/30/1998	260	528	<2.50	<2.50	<2.50	<2.50	909	NA	11.04	4.98	6.06	2.1/1.6
MW-6 *	06/25/1999	<2,500	NA	<25.0	<25.0	<25.0	<25.0	8,850	7,630	11.04	4.81	6.23	1.4/3.6
MW-6	12/28/1999	526	416	7.60	<1.00	<1.00	<1.00	1,510	NA	11.04	5.17	5.87	1.8/2.0
MW-6	05/31/2000	2,870	998	45.7	4.70	8.61	<2.50	3,780	NA	11.04	4.58	6.46	0.92/2.30
MW-6	10/17/2000	2,370	944a	49.8	5.36	<5.00	<5.00	746	NA	11.04	4.80	6.24	2.5/2.1
MW-6	05/01/2001	3,000	706	2.72	<2.50	4.46	<2.50	473	NA	11.04	4.75	6.29	2.2/1.6
MW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.04	4.86	6.18	2.0/1.3
MW-6	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	11.04	5.73	5.31	0.6
MW-6	11/07/2001	1,700	180	1.3	1.2	1.3	1.1	NA	430	11.04	5.75	5.29	2.4/1.8
MW-6	**05/01/2002**	**1,400**	**<300**	**2.0**	**0.61**	**4.3**	**0.68**	**NA**	**220**	**11.04**	**4.47**	**6.57**	**2.5/2.0**
MW-7	05/23/1989	47,000	11,000	3,500	5,000	1,500	7,800	NA	NA	7.44	5.48	1.96	NA
MW-7	08/03/1989	68,000	22,000	6,200	6,600	3,600	8,800	NA	NA	7.44	4.22	3.22	NA
MW-7	12/15/1989	100,000	12,000	4,500	5,300	1,300	5,300	NA	NA	7.44	4.58	2.86	NA
MW-7	02/07/1990	96,000	8,100	15,000	15,000	2,500	14,000	NA	NA	7.44	5.34	2.10	NA
MW-7	04/18/1990	94,000	10,000	25,000	13,000	3,300	13,000	NA	NA	7.44	4.92	2.52	NA
MW-7	07/23/1990	84,000	12,000	3,800	26,000	13,000	3,000	NA	NA	7.44	4.99	2.45	NA
MW-7	09/27/1990	43,000	ND	25,000	6,100	2,400	9,000	NA	NA	7.44	6.16	1.28	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-7	01/03/1991	78,000	3,100	26,000	16,000	3,000	14,000	NA	NA	7.44	4.96	2.48	NA
MW-7	04/10/1991	140,000	1,800	26,000	16,000	2,200	14,000	NA	NA	7.44	4.13	3.31	NA
MW-7	07/12/1991	79,000	1,100	7,700	7,200	2,300	10,000	NA	NA	7.44	4.98	2.46	NA
MW-7	10/08/1991	55,000	390 a	29,000	7,500	1,800	9,300	NA	NA	7.44	5.48	1.96	NA
MW-7	02/06/1992	63,000	9,600 a	16,000	8,700	1,600	7,400	NA	NA	7.44	5.05	2.39	NA
MW-7	05/04/1992	67,000	9,800 a	22,000	13,000	1,800	9,400	NA	NA	7.44	4.43	3.01	NA
MW-7	07/28/1992	85,000	13,000 a	26,000	17,000	2,900	15,000	NA	NA	7.44	4.88	2.56	NA
MW-7	10/27/1992	63,000	1,900 a	21,000	11,000	3,000	11,000	NA	NA	7.44	5.39	2.05	NA
MW-7	01/14/1993	120,000	2,300 a	28,000	21,000	1,600	15,000	NA	NA	7.44	4.26	3.18	NA
MW-7	04/23/1993	60,000	12,000 a	17,000	3,700	2,200	11,000	NA	NA	7.44	4.04	3.40	NA
MW-7 (D)	04/23/1993	50,000	14,000 a	17,000	4,200	2,200	11,000	NA	NA	7.44	4.04	3.40	NA
MW-7	07/20/1993	47,000	13,000	23,000	9,900	2,200	12,000	NA	NA	10.28	4.36	5.92	NA
MW-7	10/18/1993	44,000	10,000 a	22,000	3,800	2,600	10,000	NA	NA	10.28	5.14	5.14	NA
MW-7	01/06/1994	65,000	5.200 a	16,000	4,900	1,900	8,500	NA	NA	10.28	4.83	5.45	NA
MW-7	04/12/1994	68,000	3,400	12,000	2,000	580	6,400	NA	NA	10.28	4.24	6.04	NA
MW-7	07/25/1994	63,000	4,200 a	16,000	5,800	300	8,300	NA	NA	10.28	4.58	5.70	NA
MW-7	10/25/1994	46,000	3,800 a	16,000	3,700	1,200	7,300	NA	NA	10.28	5.07	5.21	NA
MW-7	01/09/1995	62,000	3,300 a	24,000	8,500	1,100	9,400	NA	NA	10.28	3.38	6.90	NA
MW-7 (D)	01/11/1995	57,000	3,200 a	9,500	7,900	620	8,000	NA	NA	10.28	3.38	6.90	NA
MW-7	04/11/1995	53,000	7,000	13,000	4,200	1,500	7,700	NA	NA	10.28	3.52	6.76	NA
MW-7 (D)	04/12/1995	55,000	7,600	11,000	3,700	1,300	6,400	NA	NA	10.28	3.52	6.76	NA
MW-7	07/18/1995	95,000	2,700	24,000	8,000	2,100	12,000	NA	NA	10.28	4.70	5.58	NA
MW-7	10/18/1995	Well abandoned		NA	NA	NA	NA	NA	NA	10.28	5.25	5.03	NA
MW-8	05/23/1989	ND	100	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA
MW-8	08/03/1989	ND	75	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA

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MW-8	12/15/1989	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.71	1.08	NA
MW-8	03/08/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.79	4.95	2.84	NA
MW-8	04/18/1990	NA	NA	NA	NA	NA	NA	NA	NA	7.79	6.40	1.89	NA
MW-8	07/23/1990	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.62	1.17	NA
MW-8	09/27/1990	ND	1,100	ND	ND	ND	ND	NA	NA	7.79	6.98	0.81	NA
MW-8	01/03/1991	ND	ND	1.3	ND	ND	ND	NA	NA	7.79	7.03	0.76	NA
MW-8	04/10/1991	50	ND	0.7	1.1	0.8	1	NA	NA	7.79	4.40	3.39	NA
MW-8	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.79	6.80	0.99	NA
MW-8	10/08/1991	ND	ND	1.4	ND	ND	ND	NA	NA	7.79	7.56	0.23	NA
MW-8	02/06/1992	ND	60 a	ND	0.7	ND	ND	NA	NA	7.79	6.94	0.85	NA
MW-8	05/04/1992	ND	210 a	ND	ND	ND	ND	NA	NA	7.79	5.86	1.93	NA
MW-8	07/28/1992	51	ND	ND	ND	1	0.6	NA	NA	7.79	6.94	0.85	NA
MW-8	10/27/1992	ND	ND	ND	6.6	ND	ND	NA	NA	7.79	7.83	-0.04	NA
MW-8	01/14/1993	ND	64a	ND	ND	ND	ND	NA	NA	7.79	3.60	4.19	NA
MW-8 (D)	01/14/1993	ND	NA	ND	ND	ND	ND	NA	NA	7.79	3.60	4.19	NA
MW-8	04/23/1993	ND	ND	ND	ND	ND	ND	NA	NA	7.79	4.12	3.67	NA
MW-8	07/20/1993	ND	ND	0.7	0.7	0.8	4.1	NA	NA	10.61	6.38	4.23	NA
MW-8	10/18/1993	ND	ND	ND	800	ND	ND	NA	NA	10.61	7.47	3.14	NA
MW-8	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	7.20	3.41	NA
MW-8	04/12/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	6.16	4.45	NA
MW-8	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.61	6.94	3.67	NA
MW-8	10/25/1994	ND	ND	ND	1	ND	ND	NA	NA	10.61	7.43	3.18	NA
MW-8	01/09/1995	ND	70 a	ND	ND	ND	ND	NA	NA	10.61	3.98	6.63	NA
MW-8	04/11/1995	ND	78	0.63	1.3	ND	0.75	NA	NA	10.61	4.12	6.49	NA
MW-8	07/18/1995	ND	130	ND	ND	ND	ND	NA	NA	10.61	5.21	5.40	NA
MW-8	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.58	5.03	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-8	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.61	5.09	5.52	NA
MW-8	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.61	3.42	7.19	NA
MW-8	10/03/1996	<50	<69	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.61	4.30	6.31	NA
MW-8	04/03/1997	<50	62	<0.50	<0.50	<0.50	0.91	<2.5	NA	10.61	4.58	6.03	2.6
MW-8	10/08/1997	<50	57	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.61	3.00	7.61	3.6
MW-8	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.61	2.88	7.73	NA
MW-8	12/30/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.61	5.38	5.23	0.8/0.9
MW-8	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.53	6.08	NA
MW-8	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.61	4.93	5.68	1.0/0.9
MW-8	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.02	6.59	NA
MW-8	10/17/2000	<50.0	143a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.61	3.10	7.51	4.0/4.1
MW-8	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	4.12	6.49	NA
MW-8	11/05/2001	<50	<50	<0.50	0.99	<0.50	<0.50	NA	<5.0	10.61	5.00	5.61	0.6/1.3
MW-8	**05/01/2002**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**10.61**	**3.25**	**7.36**	**0.6/3.6**
MW-9	08/03/1989	47,000	12,000	5,600	6,600	1,500	8,500	NA	NA	7.63	5.78	1.85	NA
MW-9	12/15/1989	88,000	9,200	4,300	5,400	140	5,600	NA	NA	7.63	5.24	2.39	NA
MW-9	02/07/1990	50,000	7,400	1,800	1,400	3,200	1,800	NA	NA	7.63	5.23	2.40	NA
MW-9	04/18/1990	50,000	7,500	14,000	11,000	730	10,000	NA	NA	7.63	5.34	2.29	NA
MW-9	07/23/1990	62,000	3,200	19,000	16,000	950	15,000	NA	NA	7.63	5.65	1.98	NA
MW-9	09/27/1990	30,000	2,700	16,000	6,500	980	11,000	NA	NA	7.63	5.96	1.67	NA
MW-9	01/03/1991	34,000	2,500	9,200	3,200	770	7,000	NA	NA	7.63	6.23	1.40	NA
MW-9	04/10/1991	66,000	2,200	17,000	13,000	1,400	14,000	NA	NA	7.63	4.65	2.98	NA
MW-9	07/12/1991	40,000	2,000	7,700	3,200	1,100	9,400	NA	NA	7.63	5.65	1.98	NA
MW-9	10/08/1991	20,000	4,700 a	11,000	640	240	6,000	NA	NA	7.63	6.08	1.55	NA
MW-9	02/06/1992	36,000	6,600 a	11,000	490	1,100	6,700	NA	NA	7.63	5.92	1.71	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-9	05/04/1992	31,000	5,800 a	11,000	1,700	1,200	8,700	NA	NA	7.63	4.80	2.83	NA
MW-9	07/28/1992	50,000	14,000	17,000	1,200	1,500	12,000	NA	NA	7.63	5.61	2.02	NA
MW-9	10/27/1992	43,000	880 a	15,000	680	1,700	8,100	NA	NA	7.63	6.24	1.39	NA
MW-9	01/14/1993	52,000	730 a	9,600	1,100	1,100	7,000	NA	NA	7.63	4.95	2.68	NA
MW-9	04/23/1993	45,000	8,000 a	11,000	1,400	1,500	10,000	NA	NA	7.63	4.54	3.09	NA
MW-9	07/20/1993	25,000	5,100	10,000	320	1,100	7,100	NA	NA	10.48	5.25	5.23	NA
MW-9	10/18/1993	32,000	4,900 a	14,000	530	2,000	10,000	NA	NA	10.48	6.00	4.48	NA
MW-9	01/06/1994	41,000	7,700 a	15,000	810	1,400	9,000	NA	NA	10.48	5.62	4.86	NA
MW-9 (D)	01/06/1994	43,000	8,300 a	15,000	920	1,300	8,000	NA	NA	10.48	5.62	4.86	NA
MW-9	04/12/1994	39,000	2,000	8,300	ND	ND	4,000	NA	NA	10.48	4.31	6.17	NA
MW-9	07/25/1994	22,000	3,600 a	7,500	150	ND	4,100	NA	NA	10.48	5.43	5.05	NA
MW-9	10/25/1994	31,000	3,200 a	13,000	240	1,000	8,500	NA	NA	10.48	6.00	4.48	NA
MW-9 (D)	10/26/1994	31,000	3,500 a	13,000	220	1,100	8,300	NA	NA	10.48	6.00	4.48	NA
MW-9	01/09/1995	4,800	2,300 a	1,200	510	42	1,400	NA	NA	10.48	4.26	6.22	NA
MW-9	04/11/1995	20,000	3,400	5,100	460	400	3,400	NA	NA	10.48	4.08	6.40	NA
MW-9	07/18/1995	43,000	2,900	12,000	1,800	960	9,100	NA	NA	10.48	5.07	5.41	NA
MW-9	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.82	4.66	NA
MW-9	01/09/1996	64,000	2,800	12,000	5,400	1,800	10,000	2100	NA	10.48	4.36	6.12	NA
MW-9	04/02/1996	39,000	NA	10,000	100	520	4,100	<500	NA	10.48	3.86	6.62	NA
MW-9	10/03/1996	46,000	3,100	12,000	180	1,400	6,700	2,300	NA	10.48	4.90	5.58	1.4
MW-9	04/03/1997	36,000	2,300	9,700	140	580	3,900	<500	NA	10.48	3.98	6.50	1.8
MW-9	10/08/1997	34,000	3,500	6,900	<100	830	4,500	<125	NA	10.48	4.17	6.31	0.8
MW-9	06/10/1998	20,000	2,500	9,900	250	3,100	170	460	NA	10.48	3.84	6.64	0.3/0.4
MW-9	12/30/1998	30,100	1,900	8,500	166	603	3,340	<100	NA	10.48	4.72	5.76	1.1/1.2
MW-9 *	06/25/1999	26,300	NA	8,090	73.5	409	2,730	<100	NA	10.48	4.47	6.01	1.2/2.4
MW-9	12/28/1999	4,130	839	1,260	57.9	103	213	1,470	NA	10.48	4.82	5.66	1.0/1.1

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-9	05/31/2000	8,210	1,300	9,290	62.3	141	908	565	NA	10.48	3.87	6.61	2.8/c
MW-9	10/17/2000	19,000	1,510 a	5,420	54.5	479	2,680	<250	NA	10.48	3.87	6.61	3.0/3.5
MW-9	05/01/2001	24,300	976	11,200	52.9	159	1,610	<250	NA	10.48	4.44	6.04	1.6/1.0
MW-9	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.48	3.99	6.49	1.9/1.5
MW-9	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.48	5.41	5.07	0.7
MW-9	11/07/2001	25,000	<1,000	7,300	85	630	4,100	NA	<250	10.48	5.60	4.88	1.4/1.1
MW-9	**05/01/2002**	**27,000**	**<700**	**11,000**	**79**	**260**	**1,300**	**NA**	**<500**	**10.48**	**3.38**	**7.10**	**2.9/1.1**
MW-10	12/15/1989	ND	3,100	1,500	ND	ND	ND	NA	NA	7.45	6.33	0.82	NA
MW-10	03/08/1990	25,000	1,800	17,000	330	2,100	1,400	NA	NA	7.45	5.41	2.00	NA
MW-10	04/18/1990	23,000	3,600	15,000	1,200	190	3,300	NA	NA	7.45	5.60	1.85	NA
MW-10	07/23/1990	18,000	1,900	12,000	380	ND	1,400	NA	NA	7.45	5.81	1.64	NA
MW-10	09/27/1990	9,500	430	13,000	100	1,800	230	NA	NA	7.45	6.64	0.81	NA
MW-10	01/03/1991	4,300	630	3,700	10	ND	110	NA	NA	7.45	6.96	0.49	NA
MW-10	04/10/1991	45,000	1,400	16,000	4,600	3,000	6,900	NA	NA	7.45	4.70	2.75	NA
MW-10	07/12/1991	ND	ND	ND	ND	ND	ND	NA	NA	7.45	5.90	1.55	NA
MW-10	10/08/1991	3,800	1,500 a	13,000	82	9	500	NA	NA	7.45	6.68	0.77	NA
MW-10	02/06/1992	22,000	1,600 a	12,000	ND	600	170	NA	NA	7.45	7.04	0.41	NA
MW-10	05/04/1992	39,000	8,000 a	14,000	5,000	1,800	5,000	NA	NA	7.45	4.69	2.76	NA
MW-10	07/28/1992	38,000	8,700 a	17,000	2,800	1,500	4,000	NA	NA	7.45	6.00	1.45	NA
MW-10	10/27/1992b	NA	NA	NA	NA	NA	NA	NA	NA	7.45	NA	NA	NA
MW-10	01/14/1993	26,000	950 a	10,000	ND	ND	160	NA	NA	7.45	6.07	1.38	NA
MW-10	04/23/1993	80,000	1,900 a	21,000	13,000	3,400	12,000	NA	NA	7.45	4.14	3.31	NA
MW-10	07/20/1993	31,000	4,800	14,000	4,200	1,700	5,500	NA	NA	10.61	5.62	4.99	NA
MW-10	10/18/1993	13,000	1,200 a	8,600	220	ND	450	NA	NA	10.61	6.43	4.18	NA
MW-10	01/06/1994	16,000	670 a	9,700	<125	<125	210	NA	NA	10.61	6.74	3.87	NA

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-10	04/12/1994	16,000	860	5,600	ND	ND	ND	NA	NA	10.61	5.98	4.63	NA
MW-10	07/25/1994	2,300	2,100 a	1,400	26	25	51	NA	NA	10.61	6.31	4.30	NA
MW-10	10/25/1994	1,400	1,000 a	290	5	2	38	NA	NA	10.61	6.64	3.97	NA
MW-10	01/09/1995	16,000	2,300 a	7,500	1,400	230	1,500	NA	NA	10.61	5.70	4.91	NA
MW-10	04/11/1995	54,000	5,000	13,000	4,500	1,500	4,500	NA	NA	10.61	5.82	4.79	NA
MW-10	07/18/1995	72,000	2,600	20,000	7,200	2,800	9,000	NA	NA	10.61	6.79	3.82	NA
MW-10	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.31	5.30	NA
MW-10	01/09/1996	32,000	2,100	8,000	1,600	880	3,200	12,000	NA	10.61	5.92	4.69	NA
MW-10	04/02/1996	68,000	NA	9,100	2,300	1,100	3,700	3,300	NA	10.61	5.43	5.18	NA
MW-10	10/03/1996	33,000	2,900	11,000	1,300	830	2,400	7,300	NA	10.61	6.07	4.54	1.7
MW-10 (D)	10/03/1996	40,000	3,300	12,000	1,700	1,100	3,100	6,500	NA	10.61	6.07	4.54	1.7
MW-10	04/03/1997	36,000	3,400	12,000	2,300	1,400	4,500	2,300	NA	10.61	3.45	7.16	1.8
MW-10 (D)	04/03/1997	52,000	3,000	12,000	2,300	1,400	4,500	2,100	NA	10.61	3.45	7.16	1.8
MW-10	10/08/1997	20,000	3,100	7,500	420	470	1,300	1,500	NA	10.61	3.72	6.89	1.2
MW-10	06/10/1998	48,000	2,500	14,000	2,600	1,500	4,800	1,800	NA	10.61	4.00	6.61	0.7/0.5
MW-10	12/30/1998	17,800	2,820	6,000	136	344	639	1,250	NA	10.61	5.26	5.35	1.0/0.7
MW-10 *	06/25/1999	17,600	NA	6,150	212	287	687	1,740	NA	10.61	4.49	6.12	0.9/2.5
MW-10	12/28/1999	10,800	1,400	3,370	155	321	626	3,740	NA	10.61	4.87	5.74	1.2/1.4
MW-10	05/31/2000	3,020	2,270	1,080	34.3	118	251	775	NA	10.61	3.48	7.13	2.8/3.9
MW-10	10/17/2000	15,500	1,750 a	7,450	54.7	387	308	3,840	4,300	10.61	4.25	6.36	2.3/3.0
MW-10	05/01/2001	27,900	2,260	9,920	1,050	1,020	2,370	2,180	NA	10.61	5.40	5.21	2.0/1.1
MW-10	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	3.74	6.87	3.70/1.8
MW-10	11/05/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.61	6.08	4.53	0.6
MW-10	11/07/2001	14,000	360	5,300	260	430	810	NA	1,700	10.61	5.45	5.16	1.8/1.0
MW-10	**05/01/2002**	**79,000**	**<1,500**	**16,000**	**4,400**	**3,300**	**8,800**	**NA**	**890**	**10.61**	**4.62**	**5.99**	**4.0/0.5**

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Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-11	07/20/1993	50	ND	2.5	1.9	3.9	18	NA	NA	10.56	8.08	2.48	NA
MW-11	10/18/1993	ND	65	ND	ND	ND	ND	NA	NA	10.56	8.24	2.32	NA
MW-11	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.56	8.47	2.09	NA
MW-11	04/12/1994	ND	ND	1.1	0.87	ND	1.5	NA	NA	10.56	8.44	2.12	NA
MW-11	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.56	8.20	2.36	NA
MW-11	10/25/1994	ND	100	ND	ND	ND	ND	NA	NA	10.56	8.67	1.89	NA
MW-11	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.56	7.63	2.93	NA
MW-11	04/11/1995	ND	140	ND	0.7	ND	0.5	NA	NA	10.56	8.06	2.50	NA
MW-11	07/18/1995	ND	50	ND	ND	ND	ND	NA	NA	10.56	9.31	1.25	NA
MW-11	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.34	2.22	NA
MW-11	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.56	8.22	2.34	NA
MW-11	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.56	7.97	2.59	NA
MW-11	10/03/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.56	8.37	2.19	3.6
MW-11	04/03/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.56	8.31	2.25	2.2
MW-11	10/08/1997	<50	54	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.56	8.56	2.00	1.2
MW-11	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.85	2.71	NA
MW-11	12/30/1998	<50.0	66.2	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.56	8.51	2.05	0.7/0.6
MW-11	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.01	2.55	NA
MW-11	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.56	8.39	2.17	0.8/1.0
MW-11	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.56	7.38	3.18	NA
MW-11	10/17/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.56	8.35	2.21	4.1/4.0
MW-11	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.56	8.15	2.41	NA
MW-11	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	10.56	NA	NA	NA
MW-11	**05/01/2002**	**Unable to locate**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**10.56**	**NA**	**NA**	**NA**
MW-11	**05/08/2002**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**10.56**	**7.82**	**2.74**	**1.0/1.1**

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-12	07/20/1993	ND	1,500	2.8	1.9	3.2	ND	NA	NA	9.56	6.76	2.80	NA
MW-12	10/18/1993	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.12	2.44	NA
MW-12	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.15	2.41	NA
MW-12	04/12/1994	ND	ND	0.61	ND	ND	1.1	NA	NA	9.56	6.68	2.88	NA
MW-12	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	6.83	2.73	NA
MW-12	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	9.56	7.34	2.22	NA
MW-12	01/09/1995	ND	80 a	ND	ND	ND	ND	NA	NA	9.56	5.02	4.54	NA
MW-12	04/11/1995	ND	200	ND	ND	ND	ND	NA	NA	9.56	7.38	2.18	NA
MW-12	07/18/1995	ND	90	ND	ND	ND	ND	NA	NA	9.56	8.50	1.06	NA
MW-12	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	9.56	6.63	2.93	NA
MW-12	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	9.56	6.32	3.24	NA
MW-12	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	9.56	5.60	3.96	NA
MW-12	10/03/1996	<50	72	<0.5	<0.5	<0.5	<0.5	<2.5	NA	9.56	3.30	6.26	2.5
MW-12	04/03/1997	<50	74	<0.50	<0.50	<0.50	<0.50	<2.5	NA	9.56	6.13	3.43	2.2
MW-12	10/08/1997	<50	73	<0.50	<0.50	<0.50	<0.50	<2.5	NA	9.56	6.49	3.07	3.0
MW-12	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.85	3.71	NA
MW-12	12/30/1998	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	9.56	8.42	1.14	1.3/0.9
MW-12	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.89	1.67	NA
MW-12	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	9.56	8.26	1.30	1.0/1.2
MW-12	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	9.56	7.21	2.35	NA
MW-12	10/17/2000	<50.0	82.9 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	9.56	6.80	2.76	5.1/3.0
MW-12	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	9.56	5.95	3.61	NA
MW-12	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	9.56	NA	NA	NA
MW-12	**05/01/2002**	**Unable to locate**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.56**	**NA**	**NA**	**NA**
MW-12	**05/08/2002**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**9.56**	**4.75**	**4.81**	**1.2/0.9**

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
MW-13	07/20/1993	ND	1,500	ND	ND	ND	ND	NA	NA	10.10	8.32	1.78	NA
MW-13 (D)	07/21/1993	ND	1,000	ND	ND	ND	ND	NA	NA	10.10	8.32	1.78	NA
MW-13	10/18/1993	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.66	1.44	NA
MW-13	01/06/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.70	1.40	NA
MW-13	04/12/1994	ND	100	1.7	1.2	0.59	2.4	NA	NA	10.10	8.20	1.90	NA
MW-13	07/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.39	1.71	NA
MW-13	10/25/1994	ND	ND	ND	ND	ND	ND	NA	NA	10.10	8.70	1.40	NA
MW-13	01/09/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.10	7.35	2.75	NA
MW-13	04/11/1995	ND	320	ND	ND	ND	ND	NA	NA	10.10	5.50	4.60	NA
MW-13	07/18/1995	ND	ND	ND	ND	ND	ND	NA	NA	10.10	6.63	3.47	NA
MW-13	10/18/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.10	8.12	1.98	NA
MW-13	01/09/1996	<50	ND	<0.5	<0.5	<0.5	<0.5	ND	NA	10.10	7.74	2.36	NA
MW-13	04/02/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.10	6.30	3.80	NA
MW-13	10/03/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.10	6.50	3.60	3.0
MW-13	04/03/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.10	7.58	2.52	2.0
MW-13	10/08/1997	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.10	8.17	1.93	1.0
MW-13	06/10/1998	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.54	2.56	NA
MW-13	12/30/1998	<50.0	69.0	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.10	6.91	3.19	1.1/0.8
MW-13	06/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.10	6.31	3.79	NA
MW-13	12/28/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.10	6.65	3.45	0.8/1.0
MW-13	05/31/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.10	5.94	4.16	NA
MW-13	10/17/2000	<50.0	121 a	<0.500	<0.500	<0.500	<0.500	<2.50	NA	10.10	8.38	1.72	2.5/2.8
MW-13	05/01/2001	NA	NA	NA	NA	NA	NA	NA	NA	10.10	7.65	2.45	NA
MW-13	11/05/2001	Unable to locate		NA	NA	NA	NA	NA	NA	10.10	NA	NA	NA
MW-13	**05/01/2002**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**NA**	**<5.0**	**10.10**	**6.80**	**3.30**	**3.5/3.5**

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
VEW-5	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.91	NA	NA
VEW-5	10/17/2000	74,800	4,180 a	9,090	14,600	2,630	14,500	632	NA	NA	2.65	NA	3.0/3.1
VEW-5	05/01/2001	94,800	5,350	11,300	12,900	4,520	22,200	419	NA	NA	2.86	NA	0.4/0.6
VEW-5	11/05/2001	82,000	<1,600	14,000	7,400	2,900	15,000	NA	740	NA	4.11	NA	0.6/c
VEW-5	**05/01/2002**	**16,000**	**<3,000**	**610**	**320**	**7.9**	**3,600**	**NA**	**310**	**NA**	**2.63**	**NA**	**4.7/2.9**
VEW-6	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.94	NA	NA
VEW-6	10/17/2000	63,800	4,820 a	6,940	2,750	2,760	18,700	3,700	NA	NA	3.13	NA	2.0/2.1
VEW-6	05/01/2001	57,000	3,460	6,280	697	2,640	15,800	6,240	NA	NA	3.25	NA	0.8/1.2
VEW-6	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.17	NA	3.0/1.7
VEW-6	11/05/2001	39,000	<1,300	6,800	380	1,900	7,900	NA	8,800	NA	4.35	NA	0.8/1.3
VEW-6	**05/01/2002**	**24,000**	**<4,500**	**1,800**	**270**	**470**	**3,700**	**NA**	**3,100**	**NA**	**2.73**	**NA**	**0.2/0.4**
VEW-7	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.59	NA	NA
VEW-7	10/17/2000	74,300	3,990 a	11,900	12,500	1,640	15,500	36,600	NA	NA	3.72	NA	3.5/4.1
VEW-7	05/01/2001	46,000	1,930	7,250	5,300	1,960	9,820	15,600	16,900	NA	3.40	NA	0.8/0.8
VEW-7	05/29/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.54	NA	2.5/1.4
VEW-7	11/05/2001	38,000	<900	9,300	610	1,700	6,000	NA	21,000	NA	4.85	NA	3.52/c
VEW-7	**05/01/2002**	**590**	**<600**	**6.3**	**7.2**	**<2.5**	**81**	**NA**	**1,100**	**NA**	**2.62**	**NA**	**2.9/3.3**
AS-1	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.67	NA	NA
AS-1	10/17/2000	13,400	3,280 a	1,600	82.8	<20.0	2,600	498	NA	NA	5.50	NA	2.0/2.5
AS-1	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-1	11/05/2001	5,300	<900	85	26	46	120	NA	190	NA	6.11	NA	0.4/0.5
AS-1	**05/01/2002**	**Insufficient water**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**14.73**	**NA**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)
AS-2	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.38	NA	NA
AS-2	10/17/2000	4,380	1,380 a	167	<10.0	225	680	315	NA	NA	5.50	NA	3.1/3.0
AS-2	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-2	11/05/2001	2,200	<300	100	0.99	91	21	NA	220	NA	5.99	NA	0.8/0.6
AS-2	**05/01/2002**	**880**	**<300**	**19**	**<0.50**	**31**	**22**	**NA**	**57**	**NA**	**5.25**	**NA**	**1.0/0.8**
AS-3	09/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.75	NA	NA
AS-3	10/17/2000	3,520	942 a	588	521	41.2	566	1,740	NA	NA	6.18	NA	3.1/3.0
AS-3	05/01/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AS-3	11/05/2001	1,600	110	41	4.9	8.2	30	NA	240	NA	6.41	NA	1.1/3.2
AS-3	**05/01/2002**	**Insufficient water**		**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**14.90**	**NA**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
285 Hegenberger Road
Oakland, CA
Wic #204-5508-5504

Well ID	Date	TPPH (ug/L)	TEPH (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)	DO Reading (ppm)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8015.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to November 5, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
TOB = Top of Wellbox
GW = Groundwater
DO = Dissolved Oxygen
ug/L = Parts per billion
ppm = Parts per million
msl = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample
n/n = Dissolved oxygen reading; pre-purge/post-purge.
NA = Not applicable

Notes:
a = Chromatogram pattern indicates an unidentified hydrocarbon.
b = Sample was analyzed outside of EPA recommended holding time.
c = Post-purge DO reading not taken.
d = Lab did not record detected result.
e = Change in casing elevation due to wellhead maintenance.
* All diesel and motor oil samples for this event were lost in laboratory fire.

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 13 Water Samples
Project Name : 285 Hegenberger Road, Oakland
Project Number : 020501-DW-1
P.O. Number : 98995749

Dear Mr. Gearhart,

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 : 26164
Date : 5/14/2002

Subject : 13 Water Samples
Project Name : 285 Hegenberger Road, Oakland
Project Number : 020501-DW-1
P.O. Number : 98995749

Case Narrative

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1, MW-6, MW-9, MW-10, VEW-5, VEW-6, VEW-7 and AS-2. Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for sample MW-3. Hydrocarbons reported as TPH as Motor Oil do not exhibit a typical Motor Oil chromatographic pattern for sample MW-3. Matrix Spike/Matrix Spike Duplicate Results associated with sample AS-2 for the analyte Methyl-t-butyl ether were affected by the analyte concentrations already present in the un-spiked sample.

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 26164

Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**

Project Number : **020501-DW-1**

Sample : **MW-1** Matrix : Water Lab Number : 26164-01

Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2100**	10	ug/L	EPA 8260B	5/5/2002
Toluene	**29**	10	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**180**	10	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**68**	10	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**1500**	100	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**11000**	1000	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 2000**	2000	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164

Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**

Project Number : **020501-DW-1**

Sample : **MW-2** Matrix : Water Lab Number : 26164-02

Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.5**	2.5	ug/L	EPA 8260B	5/5/2002
Toluene	**< 2.5**	2.5	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**< 2.5**	2.5	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**1300**	25	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**440**	250	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-3** Matrix : Water Lab Number : 26164-03
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 1.0**	1.0	ug/L	EPA 8260B	5/5/2002
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**< 1.0**	1.0	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**< 1.0**	1.0	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**430**	10	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**< 100**	100	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**80**	50	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**390**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-4** Matrix : Water Lab Number : 26164-04
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	5/4/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/4/2002
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	5/4/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	5/4/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-6** Matrix : Water Lab Number : 26164-05
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2.0**	0.50	ug/L	EPA 8260B	5/4/2002
Toluene	**0.61**	0.50	ug/L	EPA 8260B	5/4/2002
Ethylbenzene	**4.3**	0.50	ug/L	EPA 8260B	5/4/2002
Total Xylenes	**0.68**	0.50	ug/L	EPA 8260B	5/4/2002
Methyl-t-butyl ether (MTBE)	**220**	5.0	ug/L	EPA 8260B	5/4/2002
TPH as Gasoline	**1400**	50	ug/L	EPA 8260B	5/4/2002
Toluene - d8 (Surr)	95.1		% Recovery	EPA 8260B	5/4/2002
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	5/4/2002
TPH as Diesel	**< 300**	300	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-8** Matrix : Water Lab Number : 26164-06
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/4/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	5/4/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/4/2002
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	5/4/2002
4-Bromofluorobenzene (Surr)	99.4		% Recovery	EPA 8260B	5/4/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-9** Matrix : Water Lab Number : 26164-07
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**11000**	50	ug/L	EPA 8260B	5/5/2002
Toluene	**79**	50	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**260**	50	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**1300**	50	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**< 500**	500	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**27000**	5000	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	98.5		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 700**	700	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **MW-10** Matrix : Water Lab Number : 26164-08
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**16000**	50	ug/L	EPA 8260B	5/5/2002
Toluene	**4400**	50	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**3300**	50	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**8800**	50	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**890**	500	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**79000**	5000	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	98.4		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 1500**	1500	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164

Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**

Project Number : **020501-DW-1**

Sample : **MW-13** Matrix : Water Lab Number : 26164-09

Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/6/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/6/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	5/6/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	5/6/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	5/6/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	5/6/2002
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	5/6/2002
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	5/6/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	5/10/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/10/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **VEW-5** Matrix : Water Lab Number : 26164-10
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**610**	2.5	ug/L	EPA 8260B	5/5/2002
Toluene	**320**	2.5	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**7.9**	2.5	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**3600**	5.0	ug/L	EPA 8260B	5/7/2002
Methyl-t-butyl ether (MTBE)	**310**	25	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**16000**	250	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 3000**	3000	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **VEW-6** Matrix : Water Lab Number : 26164-11
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1800**	10	ug/L	EPA 8260B	5/5/2002
Toluene	**270**	10	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**470**	10	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**3700**	10	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**3100**	100	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**24000**	1000	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 4500**	4500	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **VEW-7** Matrix : Water Lab Number : 26164-12
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**6.3**	2.5	ug/L	EPA 8260B	5/5/2002
Toluene	**7.2**	2.5	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8260B	5/5/2002
Total Xylenes	**81**	2.5	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	**1100**	25	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	**590**	250	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	5/5/2002
TPH as Diesel	**< 600**	600	ug/L	M EPA 8015	5/9/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/9/2002

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KIFF ANALYTICAL LLC

Report Number : 26164
Date : 5/14/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020501-DW-1**

Sample : **AS-2** Matrix : Water Lab Number : 26164-13
Sample Date :5/1/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**19**	0.50	ug/L	EPA 8260B	5/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	5/3/2002
Ethylbenzene	**31**	0.50	ug/L	EPA 8260B	5/3/2002
Total Xylenes	**22**	0.50	ug/L	EPA 8260B	5/3/2002
Methyl-t-butyl ether (MTBE)	**57**	5.0	ug/L	EPA 8260B	5/3/2002
TPH as Gasoline	**880**	50	ug/L	EPA 8260B	5/3/2002
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	5/3/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	5/3/2002
TPH as Diesel	**< 300**	300	ug/L	M EPA 8015	5/11/2002
TPH as Motor Oil	**< 100**	100	ug/L	M EPA 8015	5/11/2002

Approved By: Joel Kiff

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

Report Number : 26164

Date : 5/14/2002

QC Report : Method Blank Data

Project Name : **285 Hegenberger Road, Oakland**

Project Number : **020501-DW-1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	5/7/2002
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	5/7/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/4/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/4/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/4/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/4/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/4/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/4/2002
Toluene - d8 (Surr)	98.9		%	EPA 8260B	5/4/2002
4-Bromofluorobenzene (Surr)	98.1		%	EPA 8260B	5/4/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/5/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/5/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/5/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/5/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/5/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/5/2002
Toluene - d8 (Surr)	93.9		%	EPA 8260B	5/5/2002
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	5/5/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	5/2/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	5/2/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	5/2/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/2/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	5/2/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	5/2/2002
Toluene - d8 (Surr)	98.9		%	EPA 8260B	5/2/2002
4-Bromofluorobenzene (Surr)	99.2		%	EPA 8260B	5/2/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	5/3/2002

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 26164

Date : 5/14/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **285 Hegenberger Road,**

Project Number : **020501-DW-1**

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
TPH as Diesel	Blank	<50	1000	1000	840	988	ug/L	M EPA 8015	5/6/02	84.0	98.8	16.1	70-130	25
Benzene	26153-02	<0.50	19.6	19.6	17.8	18.0	ug/L	EPA 8260B	5/4/02	90.8	91.4	0.714	70-130	25
Toluene	26153-02	0.66	19.6	19.6	17.6	18.1	ug/L	EPA 8260B	5/4/02	86.4	88.7	2.60	70-130	25
Tert-Butanol	26153-02	<5.0	98.0	98.2	92.5	88.8	ug/L	EPA 8260B	5/4/02	94.4	90.4	4.36	70-130	25
Methyl-t-Butyl Ether	26153-02	15	19.6	19.6	31.9	32.2	ug/L	EPA 8260B	5/4/02	87.1	88.5	1.59	70-130	25
Benzene	26164-09	<0.50	19.0	20.0	19.0	19.8	ug/L	EPA 8260B	5/5/02	100	99.2	0.928	70-130	25
Toluene	26164-09	<0.50	19.0	20.0	18.4	19.4	ug/L	EPA 8260B	5/5/02	97.2	97.4	0.180	70-130	25
Tert-Butanol	26164-09	<5.0	94.8	99.8	85.1	89.9	ug/L	EPA 8260B	5/5/02	89.8	90.1	0.295	70-130	25
Methyl-t-Butyl Ether	26164-09	<0.50	19.0	20.0	18.7	20.3	ug/L	EPA 8260B	5/5/02	98.9	102	2.84	70-130	25
Benzene	26162-01	140	40.0	40.0	185	180	ug/L	EPA 8260B	5/2/02	99.2	88.0	12.0	70-130	25
Toluene	26162-01	0.53	40.0	40.0	38.4	36.7	ug/L	EPA 8260B	5/2/02	94.8	90.3	4.78	70-130	25
Tert-Butanol	26162-01	970	200	200	1180	1230	ug/L	EPA 8260B	5/2/02	106	128	19.5	70-130	25
Methyl-t-Butyl Ether	26162-01	440	40.0	40.0	528	513	ug/L	EPA 8260B	5/2/02	215	177	18.9	70-130	25
Benzene	26168-01	<0.50	40.0	40.0	43.1	42.6	ug/L	EPA 8260B	5/3/02	108	107	1.05	70-130	25
Toluene	26168-01	0.62	40.0	40.0	43.2	43.2	ug/L	EPA 8260B	5/3/02	106	106	0.0235	70-130	25
Tert-Butanol	26168-01	7.4	200	200	208	208	ug/L	EPA 8260B	5/3/02	100	100	0.0846	70-130	25
Methyl-t-Butyl Ether	26168-01	<0.50	40.0	40.0	46.0	43.8	ug/L	EPA 8260B	5/3/02	115	109	5.08	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 26164

Date : 5/14/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **285 Hegenberger Road,**

Project Number : **020501-DW-1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/4/02	95.2	70-130
Toluene	40.0	ug/L	EPA 8260B	5/4/02	93.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/4/02	92.0	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/4/02	87.4	70-130
Benzene	19.6	ug/L	EPA 8260B	5/5/02	99.8	70-130
Toluene	19.6	ug/L	EPA 8260B	5/5/02	98.0	70-130
Tert-Butanol	98.0	ug/L	EPA 8260B	5/5/02	91.2	70-130
Methyl-t-Butyl Ether	19.6	ug/L	EPA 8260B	5/5/02	95.5	70-130
Benzene	40.0	ug/L	EPA 8260B	5/2/02	91.6	70-130
Toluene	40.0	ug/L	EPA 8260B	5/2/02	98.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/2/02	96.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/2/02	91.2	70-130
Benzene	40.0	ug/L	EPA 8260B	5/3/02	105	70-130
Toluene	40.0	ug/L	EPA 8260B	5/3/02	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/3/02	99.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/3/02	107	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Sequoia
Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

13 May, 2002

Joel Kiff
Kiff Analytical
720 Olive Drive, Suite D
Davis, CA 95616

RE: General
Sequoia Work Order: P205022

Enclosed are the results of analyses for samples received by the laboratory on 05/01/02 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angelee Cari

Angelee Cari
Client Services Representative

CA ELAP Certificate #2374

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	P205022-01	Water	05/01/02 14:45	05/01/02 17:20
MW-2	P205022-02	Water	05/01/02 13:22	05/01/02 17:20
MW-3	P205022-03	Water	05/01/02 14:05	05/01/02 17:20
MW-4	P205022-04	Water	05/01/02 13:40	05/01/02 17:20
MW-6	P205022-05	Water	05/01/02 14:30	05/01/02 17:20
MW-8	P205022-06	Water	05/01/02 10:48	05/01/02 17:20
MW-9	P205022-07	Water	05/01/02 15:00	05/01/02 17:20
MW-10	P205022-08	Water	05/01/02 14:45	05/01/02 17:20
MW-13	P205022-09	Water	05/01/02 11:17	05/01/02 17:20
VEW-5	P205022-10	Water	05/01/02 14:06	05/01/02 17:20
VEW-6	P205022-11	Water	05/01/02 13:27	05/01/02 17:20
VEW-7	P205022-12	Water	05/01/02 12:33	05/01/02 17:20
AS-2	P205022-13	Water	05/01/02 12:57	05/01/02 17:20

Sequoia Analytical - Petaluma

Angelee Cari

Angelee Cari, Client Services Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P205022-01) Water Sampled: 05/01/02 14:45 Received: 05/01/02 17:20									
Ferrous Iron	**4700**	500	ug/l	5	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-2 (P205022-02) Water Sampled: 05/01/02 13:22 Received: 05/01/02 17:20									
Ferrous Iron	**190**	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-3 (P205022-03) Water Sampled: 05/01/02 14:05 Received: 05/01/02 17:20									
Ferrous Iron	ND	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-4 (P205022-04) Water Sampled: 05/01/02 13:40 Received: 05/01/02 17:20									
Ferrous Iron	**430**	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-6 (P205022-05) Water Sampled: 05/01/02 14:30 Received: 05/01/02 17:20									
Ferrous Iron	ND	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-8 (P205022-06) Water Sampled: 05/01/02 10:48 Received: 05/01/02 17:20									
Ferrous Iron	ND	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-9 (P205022-07) Water Sampled: 05/01/02 15:00 Received: 05/01/02 17:20									
Ferrous Iron	**12000**	2500	ug/l	25	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-10 (P205022-08) Water Sampled: 05/01/02 14:45 Received: 05/01/02 17:20									
Ferrous Iron	**1900**	500	ug/l	5	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
MW-13 (P205022-09) Water Sampled: 05/01/02 11:17 Received: 05/01/02 17:20									
Ferrous Iron	ND	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VEW-5 (P205022-10) Water Sampled: 05/01/02 14:06 Received: 05/01/02 17:20									
Ferrous Iron	**19000**	2500	ug/l	25	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
VEW-6 (P205022-11) Water Sampled: 05/01/02 13:27 Received: 05/01/02 17:20									
Ferrous Iron	**3300**	250	ug/l	2.5	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
VEW-7 (P205022-12) Water Sampled: 05/01/02 12:33 Received: 05/01/02 17:20									
Ferrous Iron	**620**	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	
AS-2 (P205022-13) Water Sampled: 05/01/02 12:57 Received: 05/01/02 17:20									
Ferrous Iron	**340**	100	ug/l	1	2050057	05/02/02	05/02/02	SM 3500 Fe D#4	

Sequoia Analytical

1455 McDowell Blvd, North Ste D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342
www.sequoialabs.com

Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Anions by EPA Method 300.0

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (P205022-01) Water Sampled: 05/01/02 14:45 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	ND	1000	"	"	"	"	"	"	
MW-2 (P205022-02) Water Sampled: 05/01/02 13:22 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	**380000**	50000	"	50	2050105	05/04/02	05/04/02	"	
MW-3 (P205022-03) Water Sampled: 05/01/02 14:05 Received: 05/01/02 17:20									
Nitrate as N	**830**	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	**20000**	1000	"	"	"	"	"	"	
MW-4 (P205022-04) Water Sampled: 05/01/02 13:40 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	**7400**	1000	"	"	"	"	"	"	
MW-6 (P205022-05) Water Sampled: 05/01/02 14:30 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	**10000**	1000	"	"	"	"	"	"	
MW-8 (P205022-06) Water Sampled: 05/01/02 10:48 Received: 05/01/02 17:20									
Nitrate as N	**2100**	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	**18000**	1000	"	"	"	"	"	"	
MW-9 (P205022-07) Water Sampled: 05/01/02 15:00 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	ND	1000	"	"	"	"	"	"	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Anions by EPA Method 300.0

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (P205022-08) Water Sampled: 05/01/02 14:45 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/02/02	EPA 300.0	
Sulfate as SO4	ND	1000	"	"	"	"	"	"	
MW-13 (P205022-09) Water Sampled: 05/01/02 11:17 Received: 05/01/02 17:20									
Nitrate as N	**10000**	200	ug/l	1	2050070	05/02/02	05/03/02	EPA 300.0	
Sulfate as SO4	**280000**	50000	"	50	2050105	05/04/02	05/04/02	"	
VEW-5 (P205022-10) Water Sampled: 05/01/02 14:06 Received: 05/01/02 17:20									
Nitrate as N	**200**	200	ug/l	1	2050070	05/02/02	05/03/02	EPA 300.0	
Sulfate as SO4	**21000**	1000	"	"	"	"	"	"	
VEW-6 (P205022-11) Water Sampled: 05/01/02 13:27 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/03/02	EPA 300.0	
Sulfate as SO4	**13000**	1000	"	"	"	"	"	"	
VEW-7 (P205022-12) Water Sampled: 05/01/02 12:33 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/03/02	EPA 300.0	
Sulfate as SO4	**41000**	5000	"	5	2050105	05/04/02	05/04/02	"	
AS-2 (P205022-13) Water Sampled: 05/01/02 12:57 Received: 05/01/02 17:20									
Nitrate as N	ND	2000	ug/l	10	2050082	05/03/02	05/03/02	EPA 300.0	
Sulfate as SO4	**5500000**	500000	"	500	2050105	05/04/02	05/04/02	"	
AS-2 (P205022-13RE1) Water Sampled: 05/01/02 12:57 Received: 05/01/02 17:20									
Nitrate as N	ND	200	ug/l	1	2050070	05/02/02	05/03/02	EPA 300.0	A-01
Sulfate as SO4	ND	1000	"	"	"	"	"	"	A-01

Sequoia Analytical

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050057 - General Preparation										
Blank (2050057-BLK1)				Prepared & Analyzed: 05/02/02						
Ferrous Iron	ND	100	ug/l							
LCS (2050057-BS1)				Prepared & Analyzed: 05/02/02						
Ferrous Iron	876	100	ug/l	800		110	80-120			
Matrix Spike (2050057-MS1)		Source: P205022-02		Prepared & Analyzed: 05/02/02						
Ferrous Iron	1140	100	ug/l	870	190	109	75-125			
Matrix Spike Dup (2050057-MSD1)		Source: P205022-02		Prepared & Analyzed: 05/02/02						
Ferrous Iron	1100	100	ug/l	870	190	105	75-125	4	20	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050070 - General Preparation										
Blank (2050070-BLK1)				Prepared & Analyzed: 05/02/02						
Nitrate as N	ND	200	ug/l							
Sulfate as SO4	ND	1000	"							
LCS (2050070-BS1)				Prepared & Analyzed: 05/02/02						
Nitrate as N	10100	200	ug/l	10000		101	90-110			
Sulfate as SO4	10600	1000	"	10000		106	90-110			
Matrix Spike (2050070-MS1)				Source: P205022-13RE1		Prepared: 05/02/02	Analyzed: 05/03/02			
Nitrate as N	ND	400	ug/l	10000	ND		80-120			QM-07
Sulfate as SO4	ND	2000	"	10000	ND		80-120			QM-07
Matrix Spike Dup (2050070-MSD1)				Source: P205022-13RE1		Prepared: 05/02/02	Analyzed: 05/03/02			
Nitrate as N	ND	400	ug/l	10000	ND		80-120		20	QM-07
Sulfate as SO4	ND	2000	"	10000	ND		80-120		20	QM-07
Batch 2050082 - General Preparation										
Blank (2050082-BLK1)				Prepared & Analyzed: 05/03/02						
Nitrate as N	ND	200	ug/l							
LCS (2050082-BS1)				Prepared & Analyzed: 05/03/02						
Nitrate as N	9870	200	ug/l	10000		99	90-110			
Matrix Spike (2050082-MS1)				Source: P204472-02		Prepared & Analyzed: 05/03/02				
Nitrate as N	474000	20000	ug/l	500000	ND	92	80-120			
Matrix Spike Dup (2050082-MSD1)				Source: P204472-02		Prepared & Analyzed: 05/03/02				
Nitrate as N	482000	20000	ug/l	500000	ND	93	80-120	2	20	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050105 - General Preparation										
Blank (2050105-BLK1)				Prepared & Analyzed: 05/04/02						
Sulfate as SO4	ND	1000	ug/l							
LCS (2050105-BS1)				Prepared & Analyzed: 05/04/02						
Sulfate as SO4	10300	1000	ug/l	10000		103	90-110			
Matrix Spike (2050105-MS1)	Source: P204472-04			Prepared & Analyzed: 05/04/02						
Sulfate as SO4	2600000	100000	ug/l	500000	2100000	100	80-120			
Matrix Spike Dup (2050105-MSD1)	Source: P204472-04			Prepared & Analyzed: 05/04/02						
Sulfate as SO4	2560000	100000	ug/l	500000	2100000	92	80-120	2	20	

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Kiff Analytical	Project: General	
720 Olive Drive, Suite D	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
Davis CA, 95616	Project Manager: Joel Kiff	05/13/02 15:28

Notes and Definitions

A-01	The sample concentration saturated the detector, no sample result could be determined.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 26164 Page 1 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Joel Kiff

Company/Address: 720 Olive Dr. Davis, Ca 95616

Phone No.: (530) 297-4800 FAX No.: (530) 297-4808

Project Number:

P.O. No.: 26164

Project Name: 285 Hegenberger Road, Oakland

Project Address: 285 Hegenberger Road, Oakland

California EDF Report? ☒ Yes ☐ No

Recommended but not mandatory to complete this section:

Sampling Company Log Code: BTSS

Global ID: T0600010124S

EDF Deliverable To (Email Address): INBOX@KIFFANALYTICAL.COM

Sampler Signature:

Sample Designation	Sampling: Date	Sampling: Time	Container: 40 ml VOA	Container: SLEEVE	Container: AMBER	Container: POLY	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL
MW-1	0501	14:45			1	1	P205022-1					
MW-2		13:22			1	1					2	
MW-3		14:05			1	1					3	
MW-4		13:40			1	1					4	
MW-6		14:30			1	1					5	
MW-8		16:48			1	1					6	
MW-9		15:00			1	1					7	
MW-10		14:48			1	1					8	
MW-13		11:17			1	1					9	
VEW-5	↓	14:06			1	1					10	

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2)	TOTAL (X)	W.E.T. (X)	NITRATE	SULFATE	FERROUS IRON
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X
															X	X	X

TAT: 12 hr / 24 hr / 48 hr / 72 hr / 1 wk — STANDARD

For Lab Use Only

CUSTODY SE... TEMPERA...

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐

Relinquished by:	Date	Time	Received by:	Remarks:
John Cuddy/Kiff	05/02	1700	Jael Herman	COOLER TEMPERATURE 5.0 °C
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date	Time	Received by Laboratory:	Bill to: KAREN PETRINA INCIDENT # 98995749

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 121001.fh9

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 26164 Page 2 of 2

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF To): Joel Kiff, Davis Co.
Company/Address: 720 Olive Dr. 95616
Phone No.: (530) 297-4800 FAX No.: (530) 297-4808
Project Number: P.O. No.: 26164
Project Name: 285 Hegenberger Road, Oakland
Project Address: 285 Hegenberger Road Oakland

California EDF Report? ☒ Yes ☐ No
Recommended but not mandatory to complete this section:
Sampling Company Log Code: BTSS
Global ID: T0600010124 5
EDF Deliverable To (Email Address): INBOX@KIFFANALYTICAL.COM
Sampler Signature:

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	SLEEVE	AMBER	PoLY	Preservative: HCl	HNO_3	ICE	NONE	Matrix: WATER	SOIL
VEW-6	0501	13:27			1	1	P205022					1
VEW-7	0501	12:33			1	1						2
AS-2	0501	12:57			1	1						3

COOLER CUSTODY SEALS INTACT ☐
NOT INTACT ☐
COOLER TEMPERATURE 5.0 °C

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	NITRATE	SULFATE	FERROUS IRON
													X	X	X
													X	X	X
													X	X	X

TAT: 12 hr/24 hr/48 hr/72 hr/1 wk: STANDARD
For Lab Use Only

Relinquished by:	Date	Time	Received by:
John Kiff/Kiff	5/1/02	1720	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:

Remarks:

Bill to: KAREN PETRINA
INCIDENT #98995749

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 121001.fh9

Lab identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

26164

INCIDENT NUMBER (S&E ONLY): 98995749

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5-1-02

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	285 Hegenberger Road, Oakland	T0600101245

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

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

EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml PHONE NO.: 510-420-3335 E-MAIL: akreml@cambria-env.com

CONSULTANT PROJECT NO.: 020501-DW-1 BTS #

SAMPLER NAME(S) (Print): Dave Walter / Mike Nanokata

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: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron	MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°
	MW-1	5-1	14:45	W	8	X	X	X							X	X	X	X	X		-01
	MW-2		17:32			X	X	X							X	X	X	X	X		-02
	MW-3		14:05			X	X	X							X	X	X	X	X		-03
	MW-4		13:40			X	X	X							X	X	X	X	X		-04
	MW-6		14:30			X	X	X							X	X	X	X	X		-05
	MW-8		10:48			X	X	X							X	X	X	X	X		-06
	MW-9		15:00			X	X	X							X	X	X	X	X		-07
	MW-10		14:45			X	X	X							X	X	X	X	X		-08
	~~MW-11~~					X	X	X							X	X	X	X	X		~~-09~~
	~~DUP-12~~					X	X	X							X	X	X	X	X		~~-10~~

jke 05/02

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David C Stalk			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cuttle / Kiff Analytical	050102	1540

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10/16/00 Revision

Q&Q Graphic (714) 898-9770

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

26164

INCIDENT NUMBER (S&E ONLY): 98975749

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5-1-02

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	285 Hegenberger Road, Oakland	T0600101245

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Anni Kreml	510-420-3335	akreml@cambria-env.com	020501-DV-1

PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart

TELEPHONE	FAX:	E-MAIL:	BTS #
408-573-0555	408-573-7771	lgearhart@blainetech.com	

SAMPLER NAME(S) (Print): Dave Walter/Mike Ninokafa

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: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note			TEMPERATURE ON RECEIPT C°
	MW-13	5-1	11:17	W	8	X	X	X								X		X	X	X	X					-09
	VEW-5	"	14:06	"	"	X	X	X								X		X	X	X	X					-10
	VEW-6	"	13:27	"	"	X	X	X								X		X	X	X	X					-11
	VEW-7	"	12:33	"	"	X	X	X								X		X	X	X	X					-12
	AS-2	"	12:57	"	"	X	X	X								X		X	X	X	X					-13

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David C. Walter / Blaine			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cuttle/Kiff Analytical	050102	1540

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10/16/00 Revision

Q&O Graphic (714) 898-9702

KIFF ANALYTICAL LLC

Report Number : 26299
Date : 05/16/2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 2 Water Samples
Project Name : 285 Hegenberger Road, Oakland
Project Number : 020508-SS1
P.O. Number : 98995749

Dear Mr. Gearhart,

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 : 26299
Date : 05/16/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020508-SS1**

Sample : **MW-11** Matrix : Water Lab Number : 26299-01
Sample Date :05/08/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	05/12/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/12/2002
Toluene - d8 (Surr)	92.6		% Recovery	EPA 8260B	05/12/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	05/12/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	05/16/2002
TPH as Motor Oil	**< 5000**	5000	ug/L	M EPA 8015	05/16/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26299
Date : 05/16/2002

Project Name : **285 Hegenberger Road, Oakland**
Project Number : **020508-SS1**

Sample : **MW-12** Matrix : Water Lab Number : 26299-02
Sample Date :05/08/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	05/12/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	05/12/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	05/12/2002
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	05/12/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	05/12/2002
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	05/16/2002
TPH as Motor Oil	**< 5000**	5000	ug/L	M EPA 8015	05/16/2002

Approved By: Joel Kiff

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

Report Number : 26299

Date : 05/16/2002

QC Report : Method Blank Data

Project Name : **285 Hegenberger Road, Oakland**

Project Number : **020508-SS1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	05/14/2002
TPH as Motor Oil	< 5000	5000	ug/L	M EPA 8015	05/14/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	05/12/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/12/2002
Toluene - d8 (Surr)	97.5		%	EPA 8260B	05/12/2002
4-Bromofluorobenzene (Surr)	102		%	EPA 8260B	05/12/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	05/12/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	05/12/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	05/12/2002
Toluene - d8 (Surr)	91.3		%	EPA 8260B	05/12/2002
4-Bromofluorobenzene (Surr)	101		%	EPA 8260B	05/12/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 26299

Date : 05/16/2002

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **285 Hegenberger Road,**

Project Number : **020508-SS1**

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
TPH as Diesel	Blank	<50	1000	1000	1050	1060	ug/L	M EPA 8015	5/14/02	105	106	1.65	70-130	25
Benzene	26272-01	<0.50	40.0	40.0	36.5	35.8	ug/L	EPA 8260B	5/12/02	91.2	89.4	1.96	70-130	25
Toluene	26272-01	<0.50	40.0	40.0	37.2	36.4	ug/L	EPA 8260B	5/12/02	93.1	91.0	2.20	70-130	25
Tert-Butanol	26272-01	<5.0	200	200	181	178	ug/L	EPA 8260B	5/12/02	90.6	89.1	1.63	70-130	25
Methyl-t-Butyl Ether	26272-01	4.4	40.0	40.0	37.4	36.7	ug/L	EPA 8260B	5/12/02	82.5	80.7	2.24	70-130	25
Benzene	26321-01	3.8	40.0	40.0	39.5	38.6	ug/L	EPA 8260B	5/12/02	89.2	87.0	2.44	70-130	25
Toluene	26321-01	<0.50	40.0	40.0	34.8	34.2	ug/L	EPA 8260B	5/12/02	87.0	85.5	1.80	70-130	25
Tert-Butanol	26321-01	1700	200	200	1820	1930	ug/L	EPA 8260B	5/12/02	39.8	95.9	82.7	70-130	25
Methyl-t-Butyl Ether	26321-01	220	40.0	40.0	252	252	ug/L	EPA 8260B	5/12/02	84.2	83.2	1.28	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Report Number : 26299

Date : 05/16/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **285 Hegenberger Road,**

Project Number : **020508-SS1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	5/12/02	96.3	70-130
Toluene	40.0	ug/L	EPA 8260B	5/12/02	96.6	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/12/02	95.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/12/02	97.3	70-130
Benzene	40.0	ug/L	EPA 8260B	5/12/02	95.4	70-130
Toluene	40.0	ug/L	EPA 8260B	5/12/02	93.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	5/12/02	98.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	5/12/02	90.4	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

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

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

26299

INCIDENT NUMBER (S&E ONLY): 98995749

SAP or CRMT NUMBER (TS/CRMT):

DATE: 05/08/02

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	285 Hegenberger Road, Oakland	T0600101245

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	510-420-3335	akreml@cambria-env.com	BTS # 020508-SS1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	SHAWN SUNG

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: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note			TEMPERATURE ON RECEIPT C°
	MW-11	5/8/02	1157	GW	6	X	X	X								X		X								01
	MW-12	"	1234	"	"	X	X	X								X		X								02

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Harold Brown K/FF	050902	1020

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10/16/00 Revision

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Sequoia Analytical

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

23 May, 2002

Leon Gearhart
Blaine Tech Services
1680 Rogers Ave
San Jose, CA 95112

RE: 285 Hegenberger Rd, Oakland, CA
Sequoia Report: MLE0222

Enclosed are the results of analyses for samples received by the laboratory on 05/09/02 10:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James Hartley
Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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

Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	MLE0222-01	Water	05/08/02 11:57	05/09/02 10:50
MW-12	MLE0222-02	Water	05/08/02 12:34	05/09/02 10:50

Sequoia Analytical - Morgan Hill

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

James Hartley, Project Manager

Sequoia Analytical

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

Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MLE0222-01) Water	**Sampled: 05/08/02 11:57**	**Received: 05/09/02 10:50**							
Ferrous Iron	1.2	0.50	mg/l	5	2E16007	05/09/02	05/09/02	Hach Co. 8146	
MW-12 (MLE0222-02) Water	**Sampled: 05/08/02 12:34**	**Received: 05/09/02 10:50**							
Ferrous Iron	ND	0.10	mg/l	1	2E16007	05/09/02	05/09/02	Hach Co. 8146	

Sequoia Analytical

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Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

Anions by EPA Method 300.0

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (MLE0222-01) Water Sampled: 05/08/02 11:57 Received: 05/09/02 10:50									
Nitrate as NO3	3.8	0.89	mg/l	1	2050229	05/09/02	05/09/02	EPA 300.0	
Sulfate as SO4	1000	50	"	50	2050427	05/17/02	05/17/02	"	
MW-12 (MLE0222-02) Water Sampled: 05/08/02 12:34 Received: 05/09/02 10:50									
Nitrate as NO3	12	0.89	mg/l	1	2050229	05/09/02	05/09/02	EPA 300.0	
Sulfate as SO4	170	10	"	10	"	"	05/09/02	"	

Sequoia Analytical

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Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	Reported:
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2E16007 - General Preparation										
Blank (2E16007-BLK1)				Prepared & Analyzed: 05/09/02						
Ferrous Iron	ND	0.10	mg/l							
LCS (2E16007-BS1)				Prepared & Analyzed: 05/09/02						
Ferrous Iron	0.384	0.10	mg/l	0.400		96.0	80-120			
Matrix Spike (2E16007-MS1)		Source: MLE0222-02		Prepared & Analyzed: 05/09/02						
Ferrous Iron	0.395	0.10	mg/l	0.400	ND	98.8	80-120			
Matrix Spike Dup (2E16007-MSD1)		Source: MLE0222-02		Prepared & Analyzed: 05/09/02						
Ferrous Iron	0.402	0.10	mg/l	0.400	ND	100	80-120	1.76	20	

Sequoia Analytical

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Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	**Reported:**
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

Anions by EPA Method 300.0 - Quality Control
Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050229 - General Preparation										
Blank (2050229-BLK1)				Prepared & Analyzed: 05/09/02						
Nitrate as NO3	ND	0.89	mg/l							
Sulfate as SO4	ND	1.0	"							
LCS (2050229-BS1)				Prepared & Analyzed: 05/09/02						
Nitrate as NO3	42.3	0.89	mg/l	44.3		95	90-110			
Sulfate as SO4	10.8	1.0	"	10.0		108	90-110			
Matrix Spike (2050229-MS1)	Source: P205192-01			Prepared & Analyzed: 05/09/02						
Nitrate as NO3	140	1.8	mg/l	44.3	97	97	80-120			
Sulfate as SO4	11.3	2.0	"	10.0	ND	108	80-120			
Matrix Spike Dup (2050229-MSD1)	Source: P205192-01			Prepared & Analyzed: 05/09/02						
Nitrate as NO3	140	1.8	mg/l	44.3	97	97	80-120	0	20	
Sulfate as SO4	11.7	2.0	"	10.0	ND	112	80-120	3	20	
Batch 2050427 - General Preparation										
Blank (2050427-BLK1)				Prepared & Analyzed: 05/17/02						
Sulfate as SO4	ND	1.0	mg/l							
LCS (2050427-BS1)				Prepared & Analyzed: 05/17/02						
Sulfate as SO4	10.4	1.0	mg/l	10.0		104	90-110			
Matrix Spike (2050427-MS1)	Source: P205236-04			Prepared: 05/17/02 Analyzed: 05/18/02						
Sulfate as SO4	101	20	mg/l	100	ND	101	80-120			
Matrix Spike Dup (2050427-MSD1)	Source: P205236-04			Prepared: 05/17/02 Analyzed: 05/18/02						
Sulfate as SO4	110	20	mg/l	100	ND	110	80-120	9	20	

Sequoia Analytical

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Blaine Tech Services	Project: 285 Hegenberger Rd, Oakland, CA	
1680 Rogers Ave	Project Number: 285 Hegenberger Rd, Oakland	Reported:
San Jose CA, 95112	Project Manager: Leon Gearhart	05/23/02 10:26

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

INCIDENT NUMBER (S&E ONLY): 98995704

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5/8/02

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	285 Hegenberger Road, Oakland	T0600101245

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	510-420-3335	akreml@cambria-env.com	BTS # 020508-SS1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):	LAB USE ONLY
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	Siobhan Sung	MLE 0282

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: CHECK BOX IF EDD IS NOT NEEDED ☐

Ferrous Iron Field Filtered.

~~TEST BTEX ONLY~~

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note			TEMPERATURE ON RECEIPT C°
	MW-11 01	5/8/02	1157	GW	2													X	X	X					
	MW-12 02	"	1234	"	"													X	X	X					

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5/9/02	1015
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5/9/02	1050
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Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 98995747

SAP or CRMT NUMBER (TS/CRMT):

DATE: 5/8/02

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	285 Hegenberger Road, Oakland	T0600101245

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	510-420-3335	akreml@cambria-env.com	BTS # 020508-SJ1

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	Sucheon Sung

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: CHECK BOX IF EDD IS NOT NEEDED ☐

FERROUS IRON FIELD FILTERED.

~~TOTAL IRON FIELD~~

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)		TPH - Diesel, Extractable (8015m)		TPH-Motor Oil	Nitrate	Sulfate	Ferrous Iron		MTBE (8260B) Confirmation, See Note			TEMPERATURE ON RECEIPT C°
	MW-11	5/8/02	1157	GW	3														X	X	X					
	MW-12	"	1234	"	"														X	X	X					

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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WELL GAUGING DATA

Project # 020508-551 Date 5/6/02 Client Chevron

Site 2855 Hegenberger Rd. Oakland CA

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-11	4					7.82	13.86	↓	
MW-12	4					4.75	14.41	↓	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020508-SS1	Site: 98995749
Sampler: Scott	Date: 5/8/02
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.86	Depth to Water: 1.82
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: _____

4 (Gals.) X 3 = 12 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
1150	69.6	6.91	17,600	142	4	SLIGHTLY TURBID
1151	66.6	6.94	17,180	29	8	CLEAR
1152	67.0	6.93	18,100	17	12	"

Did well dewater? Yes (No) Gallons actually evacuated: 12

Sampling Time: 1151 Sampling Date: 5/8/02

Sample I.D.: MW-11 Laboratory: (Kiff) Sequoia Other_____

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: MOTOR OIL, NITRATE, SULFATE + FERROUS IRON

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:	1.0 mg/L	Post-purge:	~~2~~ 1.1 mg/L	
O.R.P. (if req'd):	Pre-purge:	-33 mV	Post-purge:	-21 mV	

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020508-SS1	Site: 98995749
Sampler: Scott	Date: 5/8/02
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 14.41	Depth to Water: 4.75
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: ____

6.5 (Gals.) X 3 = 19.5 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
1226	67.0	7.40	3786	14	6.5	CLEAR
1227	65.5	7.15	1596	10	13.0	"
1228	65.7	7.30	1600	7	19.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Time: 1234 Sampling Date: 5/8/02

Sample I.D.: MW-12 Laboratory: (Kiff) Sequoia Other ____

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: MOTOR OIL, NITRATE, SULFATE + FERROUS IRON

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:	1.2 mg/L	Post-purge:	0.9	mg/L
O.R.P. (if req'd):	Pre-purge:	17 mV	Post-purge:	26	mV

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WELL GAUGING DATA

Project # 020501-DW-1 Date 5-1-02 Client Shell

Site 285 Hegenberger Rd Oakland

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	4					3.14	9.36		
MW-2	4					3.85	9.60	↓	
MW-3	4					4.77	10.11	TOB	
MW-4	4					4.28	10.17	TOC	
MW-6	4					4.47	10.97		
MW-8	4					3.25	9.88		
MW-9	4					3.38	10.76		
MW-10	4					4.62	10.03		
MW-11	4	? Could not find				——	~~13.86~~		
MW-12	4	) Landscaped over				——	~~14.44~~		
MW-13	4					6.80	14.65		
AS-1	1					14.73	14.78		
AS-2	1					5.25	15.00		
AS-3	1					14.90	14.91		
VEW-5	4					2.63	9.54		
VEW-6	4					2.73	9.94		
VEW-7	4					2.62	9.76	↓	

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 9.36	Depth to Water: 3.14
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; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

4.2 (Gals.) X 3 = 12.6 Gals.
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
1728	64.9	6.7	1470	20	5	odor/yellow tint
	Well dewatered @ 5 gl			DTW = 7.84		
1445	69.9	6.1	1285	32	0	DTW 3.11

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

Sampling Time: 1445 — Sampling Date: 5-1-02

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

Analyzed for: (TPH-G BTEX MTBE TPH-D) — Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

@ Time

EB I.D. (if applicable): — Duplicate I.D. (if applicable):

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

D.O. (if req'd):	(Pre-purge):	3.4 mg/L	(Post-purge):	2.3	mg/L
O.R.P. (if req'd):	(Pre-purge):	-87 mV	(Post-purge):	-105	mV

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 9.60	Depth to Water: 3.85
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: ____

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

3.7 (Gals.) X 3 = 11.1 Gals.
Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
13:25	65.6	6.7	1610	31	4	clear/odor
13:29	66.6	6.6	1745	19	8	
	Well dewatered @ 8 gl DTW = 7.68					
13:32	DTW = 4.25					

Did well dewater? (Yes) No — Gallons actually evacuated: 8

Sampling Time: 13:32 — Sampling Date: 5-1-02

Sample I.D.: MW-2 — Laboratory: (Kiff) (Sequoia) Other ____

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

@ Time

Duplicate I.D. (if applicable): — B I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	6.2 mg/L	Post-purge:	0.9 mg/L	
O.R.P. (if req'd):	Pre-purge:	-62 mV	Post-purge:	-50 mV	

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 10.4	Depth to Water: 4.77
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; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.5 (Gals.) X 3 = 10.5 Gals.
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
12:15	64.0	7.0	1032	30	4	yellow tint
	well	dewatered @	5 gl.	DTW = 7.68		
1405	DTW =	4.55				

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

Sampling Time: 14:05 — Sampling Date: 5-1-02

Sample I.D.: MW-3 — Laboratory: Kiff (Sequoia) Other ____

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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:	4.1 mg/L	Post-purge:	0.7 mg/L
O.R.P. (if req'd):	Pre-purge:	-82 mV	Post-purge:	-44 mV

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EQUIVA WELL MONITORING DATA SHEET

STS #: 020501-MW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 10.17	Depth to Water: 4.28
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; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other ____

3.8 (Gals.) X 3 = 11.4 Gals.
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
12:00	62.3	7.3	2977	25	4	yellow tint
well dewatered @ 5 gl				DTW =	8.28	
13:40	DTW = 7.83					

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

Sampling Time: 13:40 — Sampling Date: 5-1-02

Sample I.D.: MW-4 — Laboratory: (X) Kiff (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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

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

D.O. (if req'd):	Pre-purge:	2.6 mg/L	Post-purge:	1.1 mg/L
O.R.P. (if req'd):	Pre-purge:	146 mV	Post-purge:	-90 mV

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 10,97	Depth to Water: 4.47
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: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

4.2 (Gals.) X 3 = 12.6 Gals.
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
13:07	62.3	6.9	1304	53	5.	yellow tint/odor
13:09	61.3	6.9	968	25	10	
	well	dewatered @	11 gl.	DTW = 8.90		
430	65.3	6.9	921	47	0	DTW 4.52

Did well dewater? (Yes) No — Gallons actually evacuated: 11

Sampling Time: 1430 — Sampling Date: 5-1-02

Sample I.D.: MW-6 — Laboratory: (X Kiff) (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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):	2.15 mg/L	(Post-purge):	2.0 mg/L	
O.R.P. (if req'd):	(Pre-purge):	−111 mV	(Post-purge):	−130 mV	

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~10.17~~ 9.88	Depth to Water: ~~4.28~~ 3.25
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, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ___

Sampling Method: X Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: ___

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

3.8 (Gals.) X 3 = 11.4 Gals.
1 Case Volume — Specified Volumes — Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
10:33	61.7	6.6	701	18	4	clear
10:34	62.2	6.6	619	25	8	
	well dewatered @ 9 gl. DTW = 7.98					
10:47	DTW = 4.63					

Did well dewater? (Yes) No — Gallons actually evacuated: 9

Sampling Time: 10:48 — Sampling Date: 5-1-02

Sample I.D.: MW-8 — Laboratory: ~~Kiff~~ (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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:	0.6 mg/L	Post-purge:	3.6 mg/L
O.R.P. (if req'd):	Pre-purge:	30 mV	Post-purge:	87 mV

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-MW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walker	Date: 5-1-02
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 10.76	Depth to Water: 3.38
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; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ___

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ___

4.8 (Gals.) X 3 = 14.4 Gals.
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
1254	63.4	6.7	2002	22	5	odor / very yellow
	well	dewatered @ 5 gl.		DTW = 8.80		
1500	64.2	6.4	2797	31	0	DTW = 9.40

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

Sampling Time: 1500 — Sampling Date: 5-1-02

Sample I.D.: MW-9 — Laboratory: (Kiff) (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) — Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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:	2.9 mg/L	Post-purge:	1.1	mg/L
O.R.P. (if req'd):	Pre-purge:	-111 mV	Post-purge:	-181	mV

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EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-QW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walker	Date: 5-1-02
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 10.03	Depth to Water: 4.60
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; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

3.5 (Gals.) X 3 = 10.5 Gals.
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
12:39	66.1	6.8	2810	22	4	odor/yellow tint
well dewatered @ 5 gl				DTW = 8.24		
[illegible]						
14:45	DTW = 5.78					

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

Sampling Time: 14:45 — Sampling Date: 5-1-02

Sample I.D.: MW-10 — Laboratory: (X) Kiff (Sequoia) Other_____

Analyzed for: (TPH-G BTEX MTBE TPH-D) — Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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):	4.0 mg/L	(Post-purge):	0.5 mg/L
O.R.P. (if req'd):	(Pre-purge):	-121 mV	(Post-purge):	-113 mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-11	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth:	Depth to Water:
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: ____

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

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
	unable to locate well - Landscaped ove					

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — 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 #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: MW-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth:	Depth to Water:
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: ____

____ (Gals.) X ____ = ____ 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
	Unable to locate well - landscaped over					

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Time: — Sampling Date:

Sample I.D.: — 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

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
ell I.D.: MW-13	Well Diameter: 2 3 (4) 6 8 ____
otal Well Depth: 14.65	Depth to Water: 6.80
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

rge Method:	Bailer	Waterra	Sampling Method:	Bailer	
	Disposable Bailer	Peristaltic		Disposable Bailer	
	Middleburg	Extraction Pump		Extraction Port	
	X Electric Submersible	Other_____		Dedicated Tubing	
				Other:	

5.1 (Gals.) X 3 = 15.3 Gals.
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
11:07	61.3	6.8	6400	24	6	
11:09	62.7	6.9	5692	26	12	
11:12	61.7	7.1	6227	36	18	

id well dewater? Yes (No)	Gallons actually evacuated: 18
ampling Time: 11:17	Sampling Date: 5-1-02
ample I.D.: MW-13	Laboratory: (Kiff) (Sequoia) Other_____
nalyzed for: (TPH-G) BTEX MTBE (TPH-D)	Other: Motor Oil, Nitrate + Sulfate, ferrous Iron
B I.D. (if applicable): @ Time	Duplicate I.D. (if applicable):
nalyzed for: TPH-G BTEX MTBE TPH-D	Other:

.O. (if req'd):	Pre-purge:	3.5 mg/L	Post-purge:	3.5 mg/L
.R.P. (if req'd):	Pre-purge:	96 mV	Post-purge:	102 mV

EQUIVA WELL MONITORING DATA SHEET

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
Vell I.D.: VEW-5	Well Diameter: 2 3 (4) 6 8 ___
otal Well Depth: 9.54	Depth to Water: 2.63
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

urge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other 3/8 tube w/ valve

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: Same as purge

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

2.6 (Gals.) X 3 = 7.8 Gals.
Case Volume — Specified Volumes — Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
351	69.9	7.7	1394	>200	2.6	Dark Grey, odor
356	69.4	7.4	1401	>200	5.2	" "
1401	69.3	7.1	1424	>200	7.8	" "

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Time: 1406 Sampling Date: 5-1-02

Sample I.D.: VEW-5 Laboratory: (Kiff) (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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:	~~5.1~~ 4.7 mg/L	Post-purge:	2.9	mg/L
O.R.P. (if req'd):	Pre-purge:	492 mV	Post-purge:	-0	mV

EQUIVA WELL MONITORING DATA SHEET

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
Vell I.D.: VEW-6	Well Diameter: 2 3 (4) 6 8 ___
otal Well Depth: 99.4	Depth to Water: 2.73
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

urge Method: Bailer; Disposable Bailer; Middleburg; Electric Submersible; Waterra; Peristaltic; Extraction Pump; ✓Other 5/8 Tbg w/ foot valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; ✓Other: Same as purge

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

2.6 (Gals.) X 3 = 7.8 Gals.
Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
312	67.0	6.9	2384	7200	2.6	DARK GREY, odor
317	67.4	7.0	2028	7200	5.2	" "
322	67.6	6.9	1957	7200	7.8	" " strong odor

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Time: ~~1322~~ 1327 Sampling Date: 5-1-02

Sample I.D.: VEW-6 Laboratory: ~~KAPI~~ (Sequoia) Other ___

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

TB 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):	.2 mg/L	(Post-purge):	.4 mg/L
O.R.P. (if req'd):	(Pre-purge):	-177 mV	(Post-purge):	-182 mV

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EQUIVA WELL MONITORING DATA SHEET

STS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
Sampler: Dave Walter	Date: 5-1-02
Well I.D.: VEW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: ~~9.1~~ 9.76	Depth to Water: 2.62
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 5/8 tube w/ ball valve

Sampling Method: Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; ✓Other: Same as purge

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

2.6 (Gals.) X 3 = 7.8 Gals.
Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1218	67.1	7.2	3088	>200	2.6	Brown, odor
1223	68.8	7.6	2927	>200	5.2	Black, odor
1228	68.5	7.8	2822	>200	7.8	Brown/Black, odor

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Time: 1233 Sampling Date: 5-1-02

Sample I.D.: VEW-7 Laboratory: (Kiff) (Sequoia) Other ___

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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:	~~2~~ 2.9 mg/L	Post-purge:	3.3	mg/L
O.R.P. (if req'd):	Pre-purge:	110 mV	Post-purge:	0	mV

EQUIVA WELL MONITORING DATA SHEET

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
Vell I.D.: MS-1	Well Diameter: 2 3 4 6 8 (1)
otal Well Depth: 14.78	Depth to Water: 14.73
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

urge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other

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

_____ (Gals.) X 3 = _____ Gals.
Case Volume Specified Volumes Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
	Not enough water to Sample					

id well dewater? Yes No Gallons actually evacuated:

ampling Time: Sampling Date: 5-1-02

ample I.D.: Laboratory: (Kiff) (Sequoia) Other

nalyzed for: (TPH-G) BTEX MTBE (TPH-D) Other: Motor Oil, Nitrate + Sulfate, ferrous Iron

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

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

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

EQUIVA WELL MONITORING DATA SHEET

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
/ell I.D.: AS-2	Well Diameter: 2 3 4 6 8 (1)
otal Well Depth: 15.00	Depth to Water: 5.25
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

irge Method:	Bailer	Waterra	Sampling Method:	Bailer	
	Disposable Bailer	Peristaltic		Disposable Bailer	
	Middleburg	Extraction Pump		Extraction Port	
	Electric Submersible	Other 5/8 tube w/Valve		Dedicated Tubing	
			Other:	Same as purge	

.40	(Gals.) X	3	=	1.20	Gals.
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
248	67.1	7.4	39260	182	.40	Yellow tint odor
250	67.0	7.1	40000	7200	.80	Grey/yellow, odor
252	67.1	7.1	40120	7200	1.20	Grey, odor

)id well dewater?	Yes (No)	Gallons actually evacuated:	1.2
ampling Time:	1257	Sampling Date:	5-1-02
ample I.D.: AS-2		Laboratory: (Kiff) (Sequoia) Other	
nalyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D)		Other:	Motor Oil, Nitrate + Sulfate, ferrous Iron
:B I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):	
nalyzed for: TPH-G BTEX MTBE TPH-D		Other:	
).O. (if req'd): (Pre-purge):	1.0 mg/L	(Post-purge):	.8 mg/L
).R.P. (if req'd): (Pre-purge):	0 mV	(Post-purge):	-163 mV

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EQUIVA WELL MONITORING DATA SHEET

TS #: 020501-DW-1	Site: 285 Hegenberger Rd Oakland
ampler: Dave Walter	Date: 5-1-02
/ell I.D.: AS-3	Well Diameter: 2 3 4 6 8 (1)
otal Well Depth: 14.91	Depth to Water: 14.90
epth to Free Product:	Thickness of Free Product (feet):
eferenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

irge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other

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

_____ (Gals.) X 3 = _____ Gals.
Case Volume — Specified Volumes — Calculated Volume

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
		Not enough water to				
		Sample.				

)id well dewater? Yes No — Gallons actually evacuated:

ampling Time: — Sampling Date: 5-1-02

ample I.D.: — Laboratory: (Kiff) Sequoia Other

nalyzed for: TPH-G BTEX MTBE TPH-D Other: Motor Oil, Nitrate + Sulfate, Ferrous Iron

B I.D. (if applicable): @ Time — Duplicate I.D. (if applicable):

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

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

ATTACHMENT B

AS/SVE System Analytical Results

and Vapor Monitoring Data

KIFF ANALYTICAL LLC

Report Number : 25605
Date : 3/29/2002

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 3 Air Samples
Project Name : 285 HEGENBERGER RD, OAKLAND
Project Number :
P.O. Number : 98995142

Dear Ms. Munz,

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 : 25605
Date : 3/29/2002

Project Name : **285 HEGENBERGER RD, OAKLAND**
Project Number :

Sample : **INFLUENT** Matrix : Air Lab Number : 25605-01
Sample Date :3/25/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/27/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/27/2002
Toluene - d8 (Surr)	96.2		% Recovery	EPA 8260B	3/27/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	3/27/2002

Sample : **MIDFLUENT** Matrix : Air Lab Number : 25605-02
Sample Date :3/25/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/27/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/27/2002
Toluene - d8 (Surr)	95.4		% Recovery	EPA 8260B	3/27/2002
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	3/27/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 25605
Date : 3/29/2002

Project Name : **285 HEGENBERGER RD, OAKLAND**
Project Number :

Sample : **EFFLUENT** Matrix : Air Lab Number : 25605-03
Sample Date :3/25/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/27/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/27/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/27/2002
Toluene - d8 (Surr)	96.1		% Recovery	EPA 8260B	3/27/2002
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	3/27/2002

Approved By: Joel Kiff

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KIFF ANALYTICAL

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Davis, CA 95616

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EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be invoiced: KAREN PETRYNA

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ GRMT HOUSTON

25605

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 1 4 2

SAP or GRMT NUMBER (TS/GRMT):

DATE: 3-25-02

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA	LOG CODE:	SITE ADDRESS (Street and City): 285 HEGENBERGER RD, OAKLAND	GLOBAL ID NO.:
ADDRESS: 1144 65TH ST., OAKLAND		EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.: / E-MAIL: / CONSULTANT PROJECT NO.:
PROJECT CONTACT (Hardcopy or PDF Report to): MELODY MUNZ		SAMPLER NAME(S) (Print): DAN LOSCUTE	LAB USE ONLY
TELEPHONE: 510 420 3324	FAX: 510 420 9495	E-MAIL: MMUNZ@CAMBRIA-ENV.COM	

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

☐ LA - RWQCB REPORT FORMAT ☒ UST AGENCY: ACHCSA

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	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48–)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	UST REPORTING REQUIRED
	INFLUENT	3/25	7:00	AIR	1	X	X	X																		TEDLAR BAG -01
	MIDFLUENT	3/25	7:00	AIR	1	X	X	X																		" " -02
	EFFLUENT	3/25	7:00	AIR	1	X	X	X																		" " -03

Relinquished by: (Signature) DAN LOSCUTE	Received by: (Signature) SECURED LOCATION	Date: 3/26/02	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle/Kiff Analytical	Date: 032602	Time: 1232

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10/16/00 Revision

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KIFF ANALYTICAL LLC

Report Number : 25714
Date : 4/4/2002

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 3 Air Samples
Project Name : 285 Hegenberger Rd. Oakland, Ca
Project Number : 243-0734-003
P.O. Number : 98995142

Dear Ms. Munz,

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 : 25714
Date : 4/4/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **243-0734-003**

Sample : **IN** Matrix : Air Lab Number : 25714-01
Sample Date :3/28/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/30/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/30/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	3/30/2002
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	3/30/2002

Sample : **Mid** Matrix : Air Lab Number : 25714-02
Sample Date :3/28/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/30/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/30/2002
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	3/30/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	3/30/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 25714
Date : 4/4/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **243-0734-003**

Sample : **EFF** Matrix : Air Lab Number : 25714-03
Sample Date :3/28/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	3/30/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	3/30/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	3/30/2002
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	3/30/2002
4-Bromofluorobenzene (Surr)	99.8		% Recovery	EPA 8260B	3/30/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL

EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D
Davis, CA 95616
(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be invoiced:
☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON
25714
Karen Petryna

SHELL FACILITY NUMBER (SAP #): 98995142

DATE: 3-28-02
PAGE: 1 of 1

SAMPLING COMPANY: Cambria Env.
LOG CODE:
SITE ADDRESS (Street and City): 285 Hegenberger Rd. Oakland, Ca
GLOBAL ID NO.:
ADDRESS: 1144 65th St. Oakland, Ca
EDF DELIVERABLE TO (Responsible Party or Designee):
PHONE NO.:
E-MAIL:
CONSULTANT PROJECT NO.: 243-0734-003
PROJECT CONTACT (Hardcopy or PDF Report to): Melody Munz
SAMPLER NAME(S) (Print): Sanjiv Gill
TELEPHONE: 510-420-3324
FAX: 510-420-9495
E-MAIL:

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

REQUESTED ANALYSIS

☐ LA - RWQCB REPORT FORMAT ☒ UST AGENCY: ACHCSA
GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☐

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 2416m)	Vapor Fixed Gases (ASTM D1945)	Test for Disposal (48-)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°
IN	3-28-02	10:30	air	1	X	X	X																		-01
Mid	3-28-02	10:40	air	1	X	X	X																		-02
EFF	3-28-02	10:50	air	1	X	X	X																		-03

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature) S. Gill	Received by: (Signature) secure location	Date: 3-28-02	Time: 12:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle / Kiff Analytical	Date: 032902	Time: 1005

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

10/16/00 Revision

C&Q Graphic (714) 998-9702

KIFF ANALYTICAL LLC

Report Number : 26177
Date : 5/3/2002

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 3 Air Samples
Project Name : 285 HAGENBURGER OAKLAND
Project Number :
P.O. Number : 98995142

Dear Ms. Munz,

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 : 26177
Date : 5/3/2002

Project Name : **285 HAGENBURGER OAKLAND**
Project Number :

Sample : **INF** Matrix : Air Lab Number : 26177-01
Sample Date :4/30/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**3.4**	0.10	ppmv	EPA 8260B	5/2/2002
Toluene	**5.8**	0.10	ppmv	EPA 8260B	5/2/2002
Ethylbenzene	**2.6**	0.10	ppmv	EPA 8260B	5/2/2002
Total Xylenes	**12**	0.10	ppmv	EPA 8260B	5/2/2002
Methyl-t-butyl ether	**< 0.20**	0.20	ppmv	EPA 8260B	5/2/2002
TPH as Gasoline	**300**	10	ppmv	EPA 8260B	5/2/2002
Toluene - d8 (Surr)	91.8		% Recovery	EPA 8260B	5/2/2002
4-Bromofluorobenzene (Surr)	98.2		% Recovery	EPA 8260B	5/2/2002

Sample : **MID** Matrix : Air Lab Number : 26177-02
Sample Date :4/30/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.12**	0.050	ppmv	EPA 8260B	5/2/2002
Toluene	**0.47**	0.050	ppmv	EPA 8260B	5/2/2002
Ethylbenzene	**0.31**	0.050	ppmv	EPA 8260B	5/2/2002
Total Xylenes	**1.7**	0.050	ppmv	EPA 8260B	5/2/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	5/2/2002
TPH as Gasoline	**14**	5.0	ppmv	EPA 8260B	5/2/2002
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	5/2/2002
4-Bromofluorobenzene (Surr)	98.4		% Recovery	EPA 8260B	5/2/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26177
Date : 5/3/2002

Project Name : **285 HAGENBURGER OAKLAND**
Project Number :

Sample : **EFF** Matrix : Air Lab Number : 26177-03
Sample Date :4/30/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	5/2/2002
Toluene	**0.12**	0.050	ppmv	EPA 8260B	5/2/2002
Ethylbenzene	**0.096**	0.050	ppmv	EPA 8260B	5/2/2002
Total Xylenes	**0.57**	0.050	ppmv	EPA 8260B	5/2/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	5/2/2002
TPH as Gasoline	**5.4**	5.0	ppmv	EPA 8260B	5/2/2002
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	5/2/2002
4-Bromofluorobenzene (Surr)	96.5		% Recovery	EPA 8260B	5/2/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL

720 Olive Drive, Suite D

Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be Invoiced:

☒ SCIENCE & ENGINEERING KAREN PETRYNA 26177

☐ TECHNICAL SERVICES

☐ CMPT HOUSTON

9 8 9 9 5 1 4 2

DATE: 4-30-02

PAGE: 1 of 1

SAMPLING COMPANY: CAMBRIA ENV.

LOG CODE:

SITE ADDRESS (Street and City): 285 HAGENBURGER OAKLAND

GLOBAL ID NO.:

ADDRESS: 1144 65TH ST. EMERYVILLE CA

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): MELODY MUNZ

SAMPLER NAME(S) (Print): PAUL RASMUSSEN

TELEPHONE: 510 420 3324 FAX: 510 420 8295 E-MAIL: MMUNZ@cambria-env.com

TURNAROUND TIME (BUSINESS DAYS):

☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☒ UST AGENCY: ACHCSA

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

SPECIAL INSTRUCTIONS OR NOTES: TEMPERATURE ON RECEIPT C°

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes / UST REPORTING REQUIRED
INF	4/30/02	5:25	Air	1	X	X	X																		TEDLAR BAGS 01
MID	4/30/02	5:20	Air	1	X	X	X																		02
EFF	4/30/02	5:30	Air	1	X	X	X																		03

Relinquished by: (Signature)	Received by: (Signature) SECURED LOCATION	Date: 4/30/02	Time: 6:45 PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Harold Brewer KIFF	Date: 050202	Time: 0905

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10/18/00 Revision

QAQ Graphic (714) 888-9702

KIFF ANALYTICAL LLC

Report Number : 26413
Date : 05/16/2002

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 3 Air Samples
Project Name : 285 Hegenberger Rd. Oakland, Ca
Project Number : 243-0734-003
P.O. Number : 98995142

Dear Ms. Munz,

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 : 26413
Date : 05/16/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **243-0734-003**

Sample : **IN** Matrix : Air Lab Number : 26413-01
Sample Date :05/14/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.7**	0.050	ppmv	EPA 8260B	05/16/2002
Toluene	**2.1**	0.050	ppmv	EPA 8260B	05/16/2002
Ethylbenzene	**0.59**	0.050	ppmv	EPA 8260B	05/16/2002
Total Xylenes	**5.1**	0.050	ppmv	EPA 8260B	05/16/2002
Methyl-t-butyl ether	**0.32**	0.10	ppmv	EPA 8260B	05/16/2002
TPH as Gasoline	**52**	5.0	ppmv	EPA 8260B	05/16/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	05/16/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	05/16/2002

Sample : **Mid** Matrix : Air Lab Number : 26413-02
Sample Date :05/14/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	05/16/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	05/16/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	05/16/2002
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	05/16/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26413
Date : 05/16/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **243-0734-003**

Sample : **EFF** Matrix : Air Lab Number : 26413-03
Sample Date :05/14/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	05/16/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	05/16/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	05/16/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	05/16/2002
4-Bromofluorobenzene (Surr)	97.8		% Recovery	EPA 8260B	05/16/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL

EQUIVA Services LLC Chain Of Custody Record

720 Olive Drive, Suite D
Davis, CA 95616
(530) 297-4800 (530) 297-4803 fax

Equiva Project Manager to be invoiced:
☒ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CMT HOUSTON

26413
Karen Petryna

9 8 9 9 5 1 4 2

DATE: 5-14-02
PAGE: 1 of 1

SAMPLING COMPANY: Cambria Env.	LOG CODE:	SITE ADDRESS (Street and City): 285 Hegenberger Rd. Oakland, Ca	GLOBAL ID NO.:
ADDRESS: 1144 65th St. Oakland, Ca	EDF DELIVERABLE TO (Responsible Party or Consultant):	PHONE NO.:	E-MAIL:
PROJECT CONTACT (Hardcopy or PDF Report to): Melody Munz			CONSULTANT PROJECT NO.: 243-0734-003
TELEPHONE: 510-420-3324 FAX: 510-420-9495 E-MAIL:	SAMPLER NAME(S) (Print): Sanjiv Gill		

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

☐ LA - RWQCB REPORT FORMAT ☒ UST AGENCY: ACHCSA

GCMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☐

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 2416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)	TPH - Diesel, Extractable (8015m)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
IN	5-14-02	11:00	air	1	X	X	X																48 hr turnaround time -01
Mid	5-14-02	11:00	air	1	X	X	X																-02
EFF	5-14-02	11:00	air	1	X	X	X																-03

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature) secure location	Date: 5-15-02	Time: 5:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuccia / Kiff Analytical	Date: 051502	Time: 1018

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10/16/00 Revision

QBQ Graphics (714) 898-9702

KIFF ANALYTICAL LLC

Report Number : 26704
Date : 6/11/2002

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 4 Air Samples
Project Name : 285 Hegenberger Rd. Oakland, Ca
Project Number : 244-0734-003
P.O. Number : 98995142

Dear Ms. Munz,

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 : 26704
Date : 6/11/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **244-0734-003**

Sample : **Inf** Matrix : Air Lab Number : 26704-01
Sample Date :6/3/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**2.0**	0.050	ppmv	EPA 8260B	6/5/2002
Toluene	**5.6**	0.050	ppmv	EPA 8260B	6/5/2002
Ethylbenzene	**2.8**	0.050	ppmv	EPA 8260B	6/5/2002
Total Xylenes	**15**	0.050	ppmv	EPA 8260B	6/5/2002
Methyl-t-butyl ether	**0.16**	0.10	ppmv	EPA 8260B	6/5/2002
TPH as Gasoline	**140**	5.0	ppmv	EPA 8260B	6/5/2002
Toluene - d8 (Surr)	97.6		% Recovery	EPA 8260B	6/5/2002
4-Bromofluorobenzene (Surr)	98.5		% Recovery	EPA 8260B	6/5/2002

Sample : **Mid** Matrix : Air Lab Number : 26704-02
Sample Date :6/3/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	6/5/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	6/5/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/5/2002
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	6/5/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 26704
Date : 6/11/2002

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **244-0734-003**

Sample : **EFF** Matrix : Air Lab Number : 26704-03
Sample Date :6/3/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	6/5/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	6/5/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/5/2002
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	6/5/2002

Sample : **Background** Matrix : Air Lab Number : 26704-04
Sample Date :6/3/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	6/5/2002
Total Xylenes	**0.17**	0.050	ppmv	EPA 8260B	6/5/2002
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	6/5/2002
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	6/5/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	6/5/2002
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	6/5/2002

Approved By: Joel Kiff

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

KIFF ANALYTICAL

720 Olive Drive, Suite D

Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

SHELL Chain Of Custody Record

Shell Project Manager to be invoiced:

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ GMT HOUSTON

Karen Petryna

26704

STARS NUMBER: 9 8 9 9 5 1 4 2

DATE: 6-3-02

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Env.

LOG CODE:

SITE ADDRESS (Street and City): 285 Hegenberger Rd. Oakland, Ca

GLOBAL ID NO.:

ADDRESS: 11462 65th St. Oakland, Ca

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 244-6734-003

PROJECT CONTACT (Hardcopy or PDF Report to): Melody Munz

SAMPLER NAME(S) (Print): Sanjiv Gill

TELEPHONE: 510-420-3324

FAX: 510-420-8295

E-MAIL:

TURNAROUND TIME (BUSINESS DAYS):

☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ACHCSA

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

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B-)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	TEMPERATURE ON RECEIPT C°
Inf	6-3-02	10:45	air	4	X	X	X																		-01
Mid	6-3-02	10:45	air	4	X	X	X																		-02
EFF	6-3-02	10:45	air	4	X	X	X																		-03
Background	6-3-02	10:45	air	4	X	X	X																		-04

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature) receive location	Date: 6-3-02 Time: 5:30 pm
Relinquished by: (Signature)	Received by: (Signature)	Date: Time:
Relinquished by: (Signature)	Received by: (Signature) John Cuttle / Kiff Analytical	Date: 060402 Time: 1301

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

10/16/00 Revision

Q&Q Graphics (714) 898-9702

KIFF ANALYTICAL LLC

Report Number : 27746
Date : 8/6/02

Melody Munz
Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, CA 94608

Subject : 3 Air Samples
Project Name : 285 Hegenberger Rd. Oakland, Ca
Project Number : 244-0734
P.O. Number : 98995142

Dear Ms. Munz,

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 : 27746
Date : 8/6/02

Project Name : **285 Hegenberger Rd. Oakland, Ca**
Project Number : **244-0734**

Sample : **In** Matrix : Air Lab Number : 27746-01
Sample Date :7/30/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.5**	0.050	ppmv	EPA 8260B	8/1/02
Toluene	**1.4**	0.050	ppmv	EPA 8260B	8/1/02
Ethylbenzene	**0.79**	0.050	ppmv	EPA 8260B	8/1/02
Total Xylenes	**3.5**	0.050	ppmv	EPA 8260B	8/1/02
Methyl-t-butyl ether	**0.16**	0.10	ppmv	EPA 8260B	8/1/02
TPH as Gasoline	**120**	5.0	ppmv	EPA 8260B	8/1/02
Toluene - d8 (Surr)	96.6		% Recovery	EPA 8260B	8/1/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	8/1/02

Sample : **Mid** Matrix : Air Lab Number : 27746-02
Sample Date :7/30/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	8/1/02
Toluene	**0.055**	0.050	ppmv	EPA 8260B	8/1/02
Ethylbenzene	**0.058**	0.050	ppmv	EPA 8260B	8/1/02
Total Xylenes	**0.28**	0.050	ppmv	EPA 8260B	8/1/02
Methyl-t-butyl ether	**< 0.10**	0.10	ppmv	EPA 8260B	8/1/02
TPH as Gasoline	**< 5.0**	5.0	ppmv	EPA 8260B	8/1/02
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	8/1/02
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	8/1/02

Approved By: Joel Kiff

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

KIFF ANALYTICAL LLC

Report Number : 27746

Date : 8/6/02

Project Name : **285 Hegenberger Rd. Oakland, Ca**

Project Number : **244-0734**

Sample : **EFF** Matrix : Air Lab Number : 27746-03

Sample Date :7/30/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	ppmv	EPA 8260B	8/1/02
Toluene	**< 0.050**	0.050	ppmv	EPA 8260B	8/1/02
Ethylbenzene	**< 0.050**	0.050	ppmv	EPA 8260B	8/1/02
Total Xylenes	**< 0.050**	0.050	ppmv	EPA 8260B	8/1/02
Methyl-t-butyl ether	**1.4**	0.10	ppmv	EPA 8260B	8/1/02
TPH as Gasoline	**20**	5.0	ppmv	EPA 8260B	8/1/02
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	8/1/02
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	8/1/02

Approved By: Joel Kiff

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

KIFF ANALYTICAL

720 Olive Drive, Suite D

Davis, CA 95616

(530) 297-4800 (530) 297-4803 fax

EQUIVA Services LLC Chain Of Custody Record

Equiva Project Manager to be Involved:

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

27946

INCIDENT NUMBER (S&E ONLY): 98995142

SAP or CRMT NUMBER (TS/CRMT):

DATE: 7-30-02

PAGE: 1 of 1

SAMPLING COMPANY: Cambria Environmental Technology

LOG CODE:

SITE ADDRESS (Street and City): 285 Hegenberger Rd. Oakland, Ca

GLOBAL ID NO.:

ADDRESS: 1144 65th St. Oakland, Ca

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 244-0734

PROJECT CONTACT (Hardcopy or PDF Report to): Melody Munz

SAMPLER NAME(S) (Print): Sanjiv Gill

TELEPHONE: 510-420-3324

FAX: 510-420-9170

E-MAIL:

TURNAROUND TIME (BUSINESS DAYS):

☒ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☒ UST AGENCY: ACHCSA

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	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B- ____)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note	UST REPORTING REQUIRED
	In	7-30-02	2:30	air	1	X	X	X																		01
	Mid	7-30-02	2:30	air	1	X	X	X																		02
	EFF	7-30-02	2:30	air	1	X	X	X																		03

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
S. Gill	Secure location	7-31-02	5:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	David Bacon KIFF	073102	1105

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

10/16/00 Revision

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: DAN Lesciak Date: 3/25/02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	6:10 PM		8:00 PM	
System Operation	OFF	(on/off)	ON	(on/off)
KWH Reading:	24	(KWH)	28	(KWH)
Air Compressor Operation:	— OK	(ok)	OK	(ok)
Air Compressor Pressure:	— 155	(psi)	155	(psi)
Change AC Oil:	N	(y/n)		
Blower Op:	— OK	(ok)	OK	(ok) 8.6 AMPS
Blower Vacuum:	— 35	(inHg)	38	(inHg)
Storage Tank H2O Level:	— 0	(% full)		
KO H2O Level:	— 0	(% full)	0	(% full)
Transfer Pump Op:	— —	(ok)	OK	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n) NEED BOLTS
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	ON	NO GAUGE	0.75	NA	~2.5	ODOR
AS-2	ON	12 PSI	0.75	NA	~2.5	ODOR
AS-3	ON	2 PSI	0.75	NA	~2.5	ODOR
B VE-5						
C VE-6						
D VE-7						
INF	OK	5 INH2O	3	1	NA	
MID	OK	0 PSI	—	0	NA	
EFF	OK	0 PSI	5.5	0	NA	

A WI

- Analyze for [permit req'ts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 3-26-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	5:00		6:05	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	00084	(KWH)	00084	(KWH) almost changing to 00085
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	145	(psi)	145	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	35	(inHg)	35	(inHg)
Storage Tank H2O Level:		(% full)		
KO H2O Level:	empty	(% full)	0	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)
Container Clean:	y	(y/n)	Vaults Secured:	y (y/n) needs 9/16 bolts
Electrical Panel Secured:	y	(y/n)	Container Secured:	y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	~~10~~	0.75	NA	2.17	odor
AS-2	on	10	0.75	NA	2.22	odor
AS-3	on	2	0.75	NA	2.39	odor
VE-5						
VE-6						
VE-7						
INF	ok	2	2	0	NA	
MID	ok	0	-	0	NA	
EFF	ok	0	4.7	0	NA	

- Analyze for [permit req'ts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 3-27-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	3:30		4:25	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	00142	(KWH)	00143	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	155	(psi)	155	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	35	(inHg)	35	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	0	(% full)	0	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n)
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	—	0.75	NA	2.23	
AS-2	on	10	0.75	NA	2.27	
AS-3	on	2	0.75	NA	2.35	
VE-5						
VE-6						
VE-7						
INF	ok	2	2.1	0	NA	
MID	ok	0	—	0	NA	
EFF	ok	0	4.9	0	NA	

- Analyze for [permit req'ts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
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O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 3-28-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	9:45		11:15	
System Operation	on	(on/off)		(on/off)
KWH Reading:	00191	(KWH)	00192	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	145	(psi)	150	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	35	(inHg)	35	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	0	(% full)	0	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n)
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	—	0.75	NA	2.51	
AS-2	on	10	0.75	NA	2.47	
AS-3	on	2	0.75	NA	2.50	
VE-5						
VE-6						
VE-7						
INF	ok	4	2.7	1	NA	
MID	ok	0	—	0	NA	
EFF	ok	0	5.0	0	NA	

- Analyze for [permit req'ts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 3-29-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	1:35		2:30	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	255	(KWH)	256	(KWH)
Air Compressor Operation:	OK	(ok)	OK	(ok)
Air Compressor Pressure:	150	(psi)	150	(psi)
Change AC Oil:	N	(y/n)		
Blower Op:	ok.	(ok)	OK	(ok)
Blower Vacuum:	35	(inHg)	35	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	0	(% full)	0	(% full)
Transfer Pump Op:	OK	(ok)	OK	(ok)
Container Clean:	Y	(y/n)	Vaults Secured:	Y (y/n)
Electrical Panel Secured:	Y	(y/n)	Container Secured:	Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	—	0.75	NA	2.19	
AS-2	on	10	0.75	NA	2.35	
AS-3	on	2	0.75	NA	2.30	
VE-5						
VE-6						
VE-7						
INF	ok	2	2	0	NA	
MID	OK	0		0	NA	
EFF	OK	0	4.0	0	NA	

- Analyze for [permit req'ts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: MO SG Date: 4-23-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	1:30pm		3:00pm	
System Operation	off	(on/off)	off	(on/off)
KWH Reading:	01161	(KWH)	-	(KWH)
Air Compressor Operation:	off	(ok)	-	(ok)
Air Compressor Pressure:	off	(psi)	-	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	off	(ok)	-	(ok)
Blower Vacuum:	off	(inHg)	-	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	0	(% full)	-	(% full)
Transfer Pump Op:	NA	(ok)	-	(ok)

Container Clean: y (y/n) Vaults Secured: y (y/n)
Electrical Panel Secured: y (y/n) Container Secured: y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	-			NA	2.35	-
AS-2	-			NA	2.70	-
AS-3	-			NA	3.20	Odor
VE-5						
VE-6						
VE-7						
INF					NA	
MID					NA	
EFF					NA	

- Analyze for [permit reqts]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
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O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 5-9-07
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	11:00		12:15	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	02019	(KWH)	02023	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	150	(psi)	150	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	90	(inHg)	90	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	0	(% full)	0	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n) need bolts @ #6 & #16
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	10	.5	NA	NA	
AS-2	off	NA	NA	NA	NA	
AS-3	on	7	.5	NA	NA	
VE-5	on	<60 Hg	[redacted]		2.20	odor
VE-6	off	NA			3.50	
VE-7	on	[redacted] Hg			4.00	odor
INF	ok	89 psi		438	NA	
MID	ok	0/>1 psi		29	NA	
EFF	ok	0/>1 psi		4	NA	

background about → 35ppm

VEW-1 Analyze for [illegible] 10 psi inH2O

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
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total system flow 3-13 cfm non stable
VE-5 3-13 cfm
VE-6 3-13 cfm
VE-7 3-13 cfm

flow meter is possibly malfunctioning

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 5-14-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL	DEPART
Time:	10:40	11:30
System Operation	on (on/off)	off (on/off)
KWH Reading:	02474 (KWH)	02474 (KWH)
Air Compressor Operation:	ok (ok)	— (ok)
Air Compressor Pressure:	___ (psi)	— (psi)
Change AC Oil:	n (y/n)	
Blower Op:	ok (ok)	— (ok)
Blower Vacuum:	90 (inHg)	— (inHg)
Storage Tank H2O Level:	0 (% full)	
KO H2O Level:	33% (% full)	33% (% full)
Transfer Pump Op:	ok (ok)	___ (ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n) need to VES 9/16
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS			.	NA	NA	
AS-1	on	8	.5	NA	NA	
AS-2	off	NA	NA	NA	NA	
AS-3	on	7	.5	NA	NA	
VE-5	on	<60	2.7		2.27	odor
VE-6	off	NA	1.5		3.63	
VE-7	on	35	2.5		4.09	odor
INF	ok	90	NA	519	NA	sample taken
MID	ok	>1.0	NA	74	NA	Sample taken
EFF	ok	>1.0	NA	18	NA	Sample taken
Background				5ppm		

- Analyze for [permit req's]

measured with PID
Thermal Instruments

Note: Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

Total flow
↳ VE-5, VE-6, VE-7 = 4.7
↓ ↓ ↓
flow → 2.7 1.5 2.5
of
each
vent

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 6-3-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	10:10		11:15	
System Operation	off	(on/off)	on	(on/off)
KWH Reading:	NA	(KWH)	02604	(KWH)
Air Compressor Operation:	NA	(ok)	ok	(ok)
Air Compressor Pressure:	NA	(psi)	130	(psi)
Change AC Oil:	N	(y/n)		
Blower Op:	NA	(ok)	ok	(ok)
Blower Vacuum:	NA	(inHg)	30	(inHg)
Storage Tank H2O Level:	NA	(% full)		
KO H2O Level:	1/3	(% full)	1/3	(% full)
Transfer Pump Op:	NA	(ok)	ok	(ok)
Container Clean:	Y	(y/n)	Vaults Secured:	Y (y/n)
Electrical Panel Secured:	Y	(y/n)	Container Secured:	Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	7	.5	NA	NA	
AS-2	off	NA	NA	NA	NA	
AS-3	on	7	.5	NA	NA	
VE-5	on	60	2290		2.79	
VE-6	off	NA	1319		3.88	
VE-7	on	28	2075		4.31	
INF	ok	69	NA	1070	NA	odes sample taken
MID	ok	>1.0	NA	89	NA	sample taken
EFF	ok	>1.0	NA	0	NA	sample taken

Background = 0 ppm

* Analyze for Permit reqts
Measured with PID
Thermal Instrument

VES - VE-6, VE-7 total = over 3999
Unit check only reads up to 3999

Note: Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

Temp 67°F inside Container

Technician: J. H Date: 6-25-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	7:45		9:45	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	04532	(KWH)	04532	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	150	(psi)	150	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	120+	(inHg)	120+	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	½	(% full)	½	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n)
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	12	.5	NA	NA	
AS-2	off	NA	NA	NA	NA	
AS-3	on	10	.5	NA	NA	
VE-5	on	sensor not working	2920		3.19	
VE-6	off	NA	1270		4.02	
VE-7	on	32	2851		4.28	
INF	ok	52	NA	1152	NA	odors
MID	ok	>10	NA	112	NA	
EFF	ok	>10	NA	0	NA	

Background

oppm

velocity maxed at total flow = 4000+

- Analyze for [permit req'ts]

Measured with PID

Temp 60°F inside container

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 7-5-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	12:00		13:55	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	5422	(KWH)	5422	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	150	(psi)	150	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	100+	(inHg)	100+	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	1/2	(% full)	1/2	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n)
Electrical Panel Secured: X (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	12	.5	NA	N/A	
AS-2	off	N/A	N/A	NA	N/A	
AS-3	on	9	.5	NA	N/A	
VE-5	on	gauge not working	3123		3.70	
VE-6	off	N/A	1892		4.10	
VE-7	on	35	2870		4.37	
INF	ok	41	N/A	1724	NA	sampled
MID	ok	21.0	N/A	129	NA	sampled
EFF	ok	34.0	N/A	0	NA	sampled

Background = 0 6

total flow vlocicheck 38894

- Analyze for permit req'd

Measured with PID
Temp 89°F inside container

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SA Date: 7-16-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	3:45		5:00	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	6479	(KWH)	6479	(KWH)
Air Compressor Operation:	ok	(ok)	ok	(ok)
Air Compressor Pressure:	150	(psi)	150	(psi)
Change AC Oil:	n	(y/n)		
Blower Op:	ok	(ok)	ok	(ok)
Blower Vacuum:	100+	(inHg)	100+	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	½	(% full)	½	(% full)
Transfer Pump Op:	ok	(ok)	ok	(ok)
Container Clean:	Y	(y/n)	Vaults Secured:	Y (y/n)
Electrical Panel Secured:	Y	(y/n)	Container Secured:	Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	12	.5	NA	N/A	
AS-2	off	N/A	N/A	NA	N/A	
AS-3	on	7	.5	NA	N/A	
VE-5	on	gauge not working	3109		4.07	
VE-6	off	N/A	1680		4.13	
VE-7	on	32	2429		4.22	
INF	ok	37	N/A	1611	NA	
MID	ok	>1.0	N/A	150	NA	
EFF	ok	>1.0	N/A	0	NA	

Back ground 0
total flow 3999+ Veloci ✓
Analyze for [permit req'd]

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: [signature] Date: 7-30-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	5:00		7:00	
System Operation	on	(on/off)	on	(on/off)
KWH Reading:	07543	(KWH)	07543	(KWH)
Air Compressor Operation:	o/k	(ok)	o/k	(ok)
Air Compressor Pressure:	152	(psi)	152	(psi)
Change AC Oil:	Y	(y/n)		
Blower Op:	o/k	(ok)	o/k	(ok)
Blower Vacuum:	100+	(inHg)	100+	(inHg)
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	½	(% full)	½	(% full)
Transfer Pump Op:	oK	(ok)	oK	(ok)
Container Clean:	Y	(y/n)	Vaults Secured:	Y (y/n)
Electrical Panel Secured:	Y	(y/n)	Container Secured:	Y (y/n)

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
AS				NA	NA	
AS-1	on	10	.5	NA	N/A	
AS-2	off	N/A	N/A	NA	N/A	
AS-3	on	9	.5	NA	N/A	
VE-5	on	gauge not working	3529		4.29	
VE-6	off	N/A	2012		4.53	
VE-7	on	38	2422		4.70	
INF	OK	39	N/A	1470	NA	Sampled
MID	OK	>1.0	N/A	110	NA	Sampled
EFF	OK	>1.0	N/A	0	NA	Sampled

Background 0
total flow 3999+ Volaci ✓
- Analyze for [permit reqts]

PID constantly had to be calibrated

Note: **Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.**
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: SG Date: 8-13-02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL	DEPART
Time:	8:30	9:45
System Operation	on (on/off)	off (on/off)
KWH Reading:	08642 (KWH)	(KWH)
Air Compressor Operation:	ok (ok)	N/A (ok)
Air Compressor Pressure:	148 (psi)	N/A (psi)
Change AC Oil:	n (y/n)	
Blower Op:	OK (ok)	N/A (ok)
Blower Vacuum:	20+ (inHg)	N/A (inHg)
Storage Tank H2O Level:	0 (% full)	
KO H2O Level:	½ (% full)	½ N/A (% full)
Transfer Pump Op:	ok (ok)	N/A (ok)

Container Clean: Y (y/n) Vaults Secured: Y (y/n)
Electrical Panel Secured: Y (y/n) Container Secured: Y (y/n)

Well Field and Operational Data:

Well (ig)	Status (on/off)	Pressure (psi/in H2O)	Flow (cfm)	OVA (ppm)	DTW (ibg)	Notes:
AS				NA	NA	
AS-1	on	7	.5	NA	N/A	
AS-2	off	N/A	N/A	NA	N/A	
AS-3	on	9	.5	NA	N/A	
VE-5	on	40 inches	4000 water max		4.78	
VE-6	off	N/A	1255		4.95	
VE 7	on	35	2790		5.14	
INF	ok	37	N/A	1941	NA	
MID	ok	71.0	N/A	142	NA	
EFF	ok	71.0	N/A	0	NA	

Carbon samples taken vessls 1 & 2

- Analyze for [permit req'd]

System turned off

Note: Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.
\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

O&M Form Site: 285 Hegenberger Rd, Oakland, CA

Technician: DAN/JR/ERIC Date: 9/23/02
Project Mgr/Eng: Melody Munz (510) 420-3324

Incident # 98995142
Project #243-0734-003

VAPOR EXTRACTION / BIOSPARGE SYSTEM

General Parameters	ARRIVAL		DEPART	
Time:	4:15 PM		7:45 PM	
System Operation	OFF	(on/off)	ON	(on/off)
KWH Reading:	8674	(KWH)	8680	(KWH)
Hour Meter Reading:	2055	(hours)	2056.7	(hours)
Air Compressor Operation:	OFF	(ok)	OK - ON	(ok)
Air Compressor Pressure:	NA	(psi)	130	(psi) 150 PSI HI SHUT OFF 130 PSI LO SHUT ON
Change AC Oil:	NA	(y/n)		
Blower Op:	OFF	(ok)		(ok)
Blower Vacuum: BLOWN AMPS	OFF	(~~inHg~~) IN H2O	GAUGE BROKEN	(~~inHg~~) IN H2O 10 AMP - OK < 20 AMPS
Storage Tank H2O Level:	0	(% full)		
KO H2O Level:	75	(% full)	0	(% full)
Transfer Pump Op:	UNKNOWN	(ok)	OK	(ok)
Container Clean:	Y	(y/n)	Vaults Secured:	NEED PADLOCK
Electrical Panel Secured:	Y	(y/n)	Container Secured:	Y (y/n)

CABINET PANEL NEEDS LOCK-OUT TAG

Well Field and Operational Data:

Well (id)	Status (on/off)	Pressure (psi/inH2O)	Flow (cfm)	OVA (ppm)	DTW (fbg)	Notes:
VBW1	ON	13.6 INH2O	5.5 CFM	188 NA	NM NA	NM = NOT MEASURED
AS-1	OFF - BROKEN @ WELLHEAD. JR TO REPAIR NEXT VISIT (SOON)					
AS-2	OFF - BROKEN @ WELLHEAD. JR TO REPAIR NEXT VISIT (SOON)					
AS-3	ON	7 PSI	1.5 CFM	NA	NM	
VE-5	ON	13.5 INH2O	35.5 CFM	249	NM	
VE-6	ON	* 13.6	* 3.4 CFM	16	NM	
VE-7	ON	13.5 INH2O	2.7 CFM	21	4.34'	
INF*	ON	13.5 INH2O	39.4 CFM	223/214	NA	1.1 INH2O @ GAC 1 / SAMPLE
MID*	ON	0.5 INH2O	—	0	NA	NO SAMPLE
EFF*	ON	0 INH2O	37.9 CFM	0	NA	NO SAMPLE

C INF 2655 EFF

* monthly PID monitoring required under Bay Area Air Quality Management District Permit to Operate # 3356
Breakthrough defined as the detection at is outlet of the higher of the following:

a. 10% of the inlet stream concentration to the carbon vessel
b. 10 ppmv measured as C6

Note: Complete new form for every site visit. Attach Daily Field Reports for non-routine items. Attach copy of COC.

\\SERVER\SHELL\OAKLAND 285 HEGENBERGER\O&M\OM FIELD DATA SHEET.DOC

* NEED TO RELOCATE PORT. CAN'T ACCESS W/METER

EQUIVA Services LLC Chain of Custody Record

Equiva Project Manager to be Invoiced: KAREN PETRYNA

☒ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (SEE ONLY): 9 8 9 9 5 1 4 2

SAP NUMBER (TSC ONLY):

DATE: 9-23-02

PAGE: 1 of 1

Olive Drive, Suite D
Davis, CA 95616
) 297-4800 (530) 297-4803 fax

COMPANY: CAR. EQUILA

LOG CODE:

SITE ADDRESS (Street and City): 285 HEGENBERGER ROAD, OAKLAND

GLOBAL ID NO.:

ADDRESS: 1144 65th ST, SUITE E, OAKLAND, CA, 94608

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.: 244-0734-003

PROJECT CONTACT (Hardcopy or PDF Report to): MELODY MUNZ

SAMPLER NAME(S) (Print): JR

LAB USE ONLY:

TELEPHONE: 510 420 3324

FAX: 510 420 9170

E-MAIL: MMUNZ@CAMBRIA-ENV.COM

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GCMIS 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	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	EPA 3535 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3416m)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (48-)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note
	INFLUENT	9/23	7:30	AIR	1	X	X	X																	

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

UST REPORTING REQUIRED

TEDLAR BAG

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/23/02	Time: 8:20 PM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date	Time:

SECURED LOCATION

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

10/15/00 Revision

SEP-23-2002 20:19 CAMBRIA P.03/03

TOTAL P.03