CAMBRIA

June 25, 2001

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

JUN 2 9 2001 #2849

Second Quarter 2001 Monitoring Report Re:

> Shell-branded Service Station 105 Fifth Street Oakland, California Incident #98995757 Cambria Project #243-0472-002



Dear Mr. Chan:

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

SECOND QUARTER 2001 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a groundwater elevation contour map (Figure 1). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

On June 8, 2001 Cambria submitted an Offsite Subsurface Investigation Report: Offsite Subsurface Investigation Report. The report included investigation results from soil borings SB-4 and SB-5 and monitoring well MW-4, conduit study results, a sensitive receptor survey, and an site conceptual model.

Dual-Phase Vacuum Extraction (DVE): On March 20, 2001, Cambria completed a dual-phase extraction pilot test using wells MW-2 and MW-3. Cambria will provide an evaluation of the pilot test data in a forthcoming report by July 13, 2001. Data from previous DVE events are presented in Tables 1 and 2.

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

Barney Chan June 25, 2001

CAMBRIA

ANTICIPATED THIRD QUARTER 2001 ACTIVITIES

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

CLOSING



We appreciate the opportunity to work with you on this project. Please call James Loetterle at (510) 420-3336 if you have any questions or comments.

Sincerely,

Cambria Environmental Technology, Inc

James Loetterle Staff Geologist

Diane M. Lundquist, P.E. Principal Engineer

Figure:

1 - Groundwater Elevation Contour Map

Tables:

1 - Groundwater Extraction - Mass Removal Data

2 - Vapor Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869

Arthur R. and Mary A. Hansen, Trs., et al, 820 Loyola Drive, Los Altos, CA 94024

g:\oakland 105 fifth\qm2q01qm.doc

105 Fifth Street Oakland, Califomia Incident #9899577

Shell-branded Service Station

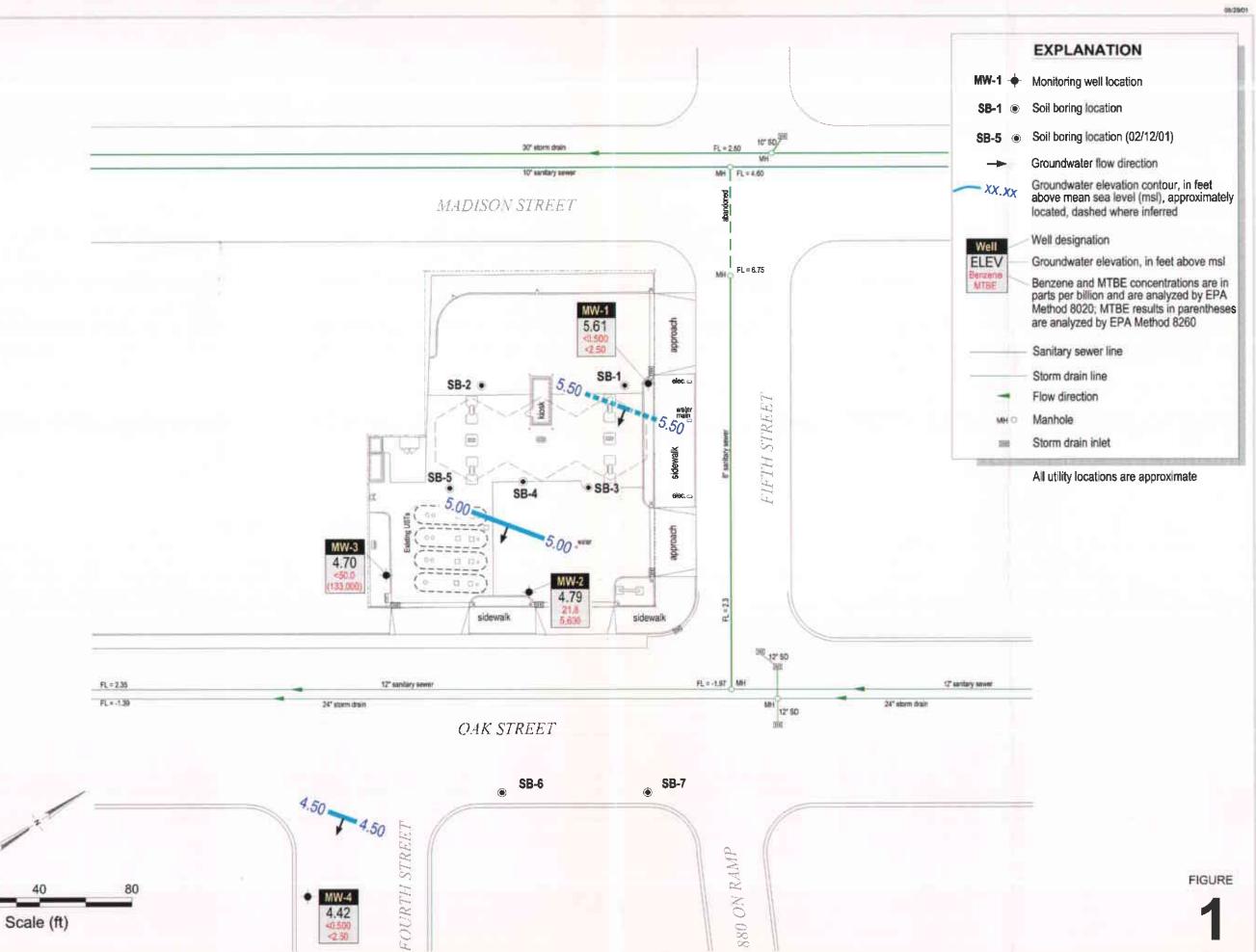


Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

					<u>'</u>	<u>TPPH</u>		1 1	<u>Benzene</u>			MTBE	
			Cumulative		1		TPPH			Benzene			MTBE
		Volume	Volume		ТРРН	TPPH	Removed	Benzene	Benzene	Removed	MTBE	MTBE	Remove
Date	Well	Pumped	Pumped	Date	Concentration	Removed	To Date	Concentration	Removed	To Date	Concentration	Removed	To Dat
Purged	ID	(gal)	(gal)	Sampled	(ppb)	(pounds)	(pounds)	(ppb)	(pounds)	(pounds)	(ppb)	(pounds)	(pound
04/21/00	MW-2	150	150	04/07/00	4,940	0.00618	0.00618	659	0.00082	0.00082	41,800	0.05232	0.0523
04/28/00	MW-2	100	250	04/07/00	4,940	0.00412	0.01031	659	0.00055	0.00137	41,800	0.03488	0.0872
05/05/00	MW-2	310	560	04/07/00	4,940	0.01278	0.02308	659	0.00170	0.00308	41,800	0.10813	0.1953
05/12/00	MW-2	350	910	04/07/00	4,940	0.01443	0.03751	659	0.00192	0.00500	41,800	0.12208	0.3174
06/02/00	MW-2	257	1,167	04/07/00	4,940	0.01059	0.04811	659	0.00141	0.00642	41,800	0.08964	0.4070
07/06/00	MW-2	334	1,501	04/07/00	4,940	0.01377	0.06187	659	0.00184	0.00825	41,800	0.11650	0.5235
09/12/00	MW-2	312	1,813	07/26/00	5,010	0.01304	0.07492	409	0.00106	0.00932	54,300	0.14137	0.6649
10/26/00	MW-2	56	1,869	07/26/00	5,010	0.00234	0.07726	409	0.00019	0.00951	54,300	0.02537	0.6902
04/21/00	MW-3	100	100	04/07/00	<1,000	< 0.00083	< 0.00083	853	0.00071	0.00071	283,000	0.23615	0.236
04/28/00	MW-3	100	200	04/07/00	<1,000	< 0.00083	< 0.00167	853	0.00071	0.00142	283,000	0.23615	0.4722
05/05/00	MW-3	50	250	04/07/00	<1,000	< 0.00042	< 0.00209	853	0.00036	0.00178	283,000	0.11807	0.5903
05/12/00	MW-3	150	400	04/07/00	<1,000	< 0.00125	< 0.00334	853	0.00107	0.00285	283,000	0.35422	0.944
06/02/00	MW-3	550	950	04/07/00	<1,000	< 0.00459	< 0.00793	853	0.00391	0.00676	283,000	1.29880	2.2433
07/06/00	MW-3	528	1,478	04/07/00	<1,000	< 0.00441	< 0.01233	853	0.00376	0.01052	283,000	1.24685	3.4902
08/16/00	MW-3	849	2,327	07/26/00	<20,000	< 0.14169	< 0.15402	<200	< 0.00142	< 0.01194	320,000	2.26699	5.7572
09/12/00	MW-3	188	2,515	07/26/00	<20,000	< 0.03137	< 0.18539	<200	< 0.00031	<0.01225	320,000	0.50200	6.2592
10/26/00	MW-3	156	2,671	07/26/00	<20,000	< 0.02603	< 0.21143	<200	< 0.00026	< 0.01251	320,000	0.41655	6.675
							- Victoria de la companione		film seek	tutale es a maile es a		rajji - Hieroxis Ve	298.39
al Callons	Diarraged:		4 ;540		Total Pounds I Total Gallons		<0.28869 <0.04733			<0.02202 <0.00302			7,366 1,188

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

						<u>ГРРН</u>]	Benzene			MTBE	
			Cumulative				TPPH			Benzene			MTBE
		Volume	Volume		ТРРН	TPPH	Removed	Benzene	Benzene	Removed	MTBE	MTBE	Removed
Date	Well	Pumped	Pumped	Date	Concentration	Removed	To Date	Concentration	Removed	To Date	Concentration	Removed	To Date
Purged	ID	(gal)	(gal)	Sampled	(ppb)	(pounds)	(pounds)	(ppb)	(pounds)	(pounds)	(ppb)	(pounds)	(pounds)

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline

MtBE = Methyl tert-butyl ether

μg/L = Micrograms per liter

ppb = Parts per billion, equivalent to μg/L

L = Liter

gal = Gallon

g = Gram

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶µg) x (pound/453.6g) x (3.785 L/gal)

Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)

TPPH, benzene analyzed by EPA Method 8015/8020

MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020

Concentrations based on most recent groundwater monitoring results

Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.

Table 2: Vapor Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995757, 105 Fifth Street, Oakland, California

							<u>T</u> I	PH PH	<u>Ber</u>	<u>ızene</u>	<u>M</u>	TB <u>E</u>
		Interval	System				TPHg	Cumulative	Benzene	Cumulative	MTBE	Cumulative
		Hours of	Flow	Hydroc	arbon Concen	trations	Removal	TPHg	Removai	Benzene	Removal	MTBE
	Well	Operation	Rate	TPHg	Benzene	MTBE	Rate	Removed	Rate	Removed	Rate	Removed
Date	ID	(hours)	(CFM)	•	centrations in p	opmv)	(#/hour)	(#)	(#/hour)	(#)	(#/hour)	(#)
M/01/00	MW-2	1.00	9.0	1,949	52	836	0.234	0.234	0.006	0.006	. 0.103	0.103
14/21/00	MW-2	3.50	0.4	30	6.51	108	0.000	0.235	0.000	0.006	0.001	0.105
)6/02/00)7/06/00	MW-2	4.00	0.7	<567	<6.3	647	<0.005	< 0.256	<0.000	<0.006	0.006	0.130
	MW-2	3.00	8.6	13,654	<39	1,861	1.570	<4.965	<0.004	< 0.018	0.219	0.787
)8/16/00)9/12/00	MW-2	4.00	7.6	12,100	<31.4	6,410	1.229	<9.883	< 0.003	< 0.030	0.666	3.452
10/26/00	MW-2	1.50	5.5	35.1	0.562	41.0	0.003	<9.887	0.000	<0.030	0.003	3.457
)4/21/00	MW-3	1.00	7.0	<28	< 0.31	594	<0.003	0.003	<0.000	<0.000	0.057	0.057
06/02/00	MW-3	4.25	0.3	<14.2	0.36	608	<0.000	0.003	0.000	< 0.000	0.002	0.067
07/06/00	MW-3	4.00	0.7	38	4.4	133	0.000	0.004	0.000	< 0.000	0.001	0.073
08/16/00	MW-3	6.75	7.0	<1,416	<15.7	3,333	< 0.133	0.899	<0.001	< 0.009	0.319	2.227
09/12/00	MW-3	4.00	7.6	<1,420	<15.7	1,850	<0.144	1.476	<0.001	< 0.015	0.192	2.996
10/26/00	MW-3	4.00	7.2	<2,840	<31.4	531	<0.273	2.569	<0.003	<0.026	0.052	3.205
Acceptable		discharge	A CONTRACTOR OF THE PROPERTY O	WOOD STATE	To the state of th		TPHg	- <12.45 6	Benzene =	= <0.056	MTBE =	- 6.662

Abbreviations and Notes:

CFM = Cubic feet per minute

TPHg = Total petroleum hydrocarbons as gasoline (C6-C12) by modified EPA Method 8015 in 1 liter tedlar bag samples

ppmv = Parts per million by volume

= Pounds

NA = Not available

TPHG, Benzene, and MTBE analyzed by EPA Method 8015/8020 in 1 liter tedlar bag samples

TPHg / Benzene / MTBE removal rate = Rate based on Bay Area Air Quality Management District's Manual of Procedures for Soil Vapor Extraction dated July 17, 1991.

(Rate = Concentration (ppmv) x system flow rate (cfm) x (11b-mole/386ft3) x molecular weight (86 lb/lb-mole for TPHg, 78 lb/lb-mole for benzene, 88 lb/lb-mole for MTBE)

x 60 min/hour x 1/1,000,000)

Cumulative TPHg / Benzene / MTBE removal = Previous removal rate multiplied by the hour-interval of operation plus the previous total

ATTACHMENT A Blaine Groundwater Monitoring Report and Field Notes



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

May 4, 2001

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

Second Quarter 2001 Groundwater Monitoring at Shell-branded Service Station 105 5th Street Oakland, CA

Monitoring performed on March 23 and April 17, 2001

Groundwater Monitoring Report 010417-U-2

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. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS

Certified Analytical Report

Field Data Sheets

cc: Anni Kreml

Cambria Environmental Technology, Inc.

1144 65th Street, Suite C Oakland, CA 94608-2411

WELL CONCENTRATIONS Shell-branded Service Station 105 5th Street Oakland, CA

[<u></u>	· · · · · · · · · · · · · · · · · · ·				MTBE	MTBE		Depth to	GW	
Well ID	Date	TPPH	TEPH	В	Т	E	х	8020	8260	TOC	Water	Elevation	DO Reading
11611 12	Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(MSL)	(ft)	(MSL)	(ppm)
		<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	.,),,,									
MW-1	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	12.22	17.56	-5.34	NA
MW-1	07/23/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.00	12.22	6.45	5.77	NA
MW-1	11/01/1999	100	NA	15.6	3.12	4.04	12.6	6.69	NA	12.22	6.59	5.63	0.5/0.7
MW-1	01/05/2000	<50.0	<20.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	6.38	5.84	1.2/1.4
MW-1	04/07/2000	<50.0	<50.0	<0.500	<0.500	< 0.500	<0.500	<2.50	NA	12.22	5.83	6.39	1.6/2.4
MW-1	07/26/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	6.10	6.12	1.1/1.4
MW-1	10/28/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	14.08	-1.86	2.2/2.7
MW-1	01/30/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	10.71	1.51	1.2/1.6
MW-1	04/17/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	12.22	6.61	5.61	2.4/4.4
	0-171712001				·								
MW-2	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.87	18.24	-7.37	NA
MW-2	07/23/1999	13,800	NA	1,790	<100	<100	682	29,900	29,400	10.87	5.98	4.89	NA
MW-2	11/01/1999	2,420	NA	316	10.8	119	44.2	17,000	NA	10.87	6.03	4.84	0.5/0.3
MW-2	01/05/2000	2,120a	687	301a	<5.00a	116a	84.4a	14,700	NA	10.87	5.90	4.97	2.1/2.6
MW-2	04/07/2000	4,940b	1,300	659b	<25.0b	214b	314b	41,800b	NA	10.87	5.37	5.50	0.4/0.2
MW-2	07/26/2000	5,010	1,520	409	<50.0	302	307	54,300	NA	10.87	5.81	5.06	2.1/2.2
MW-2	10/28/2000	1,720	412	82.2	<10.0	46.0	102	9,800	NA	10.87	14.59	-3.72	0.7/0.7
MW-2	01/30/2001	1,640	574	14.7	<5.00	40.1	58.1	3,670	NA	10.87	10.31	0.56	1.8/2.0
MW-2	04/17/2001	598	179	21.8	<2.00	16.9	10.8	5,630	NA	10.87	6.08	4.79	1.5/2.6
15111	0.07777				<u> </u>	<u> </u>							
MW-3	07/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	11.27	19.07	-7.80	NA
MW-3	07/23/1999	128	NA	<0.500	<0.500	<0.500	<0.500	404,000	324,000	11.27	6.43	4.84	NA
MW-3	11/01/1999	<1,000	NA	<10.0	<10.0	<10.0	<10.0	169,000	224,000	11.27	6.48	4.79	0.5/0.3
MW-3	01/05/2000	137	322	<1.00	<1.00	<1.00	<1.00	165,000	219,000	11.27	6.35	4.92	2.4/2.2
MW-3	04/07/2000	<1,000	264	853	<10.0	<10.0	<10.0	283,000	196,000a	11.27	5.91	5.36	04/0.2
MW-3	07/26/2000	<20,000	585	<200	<200	<200	<200	437,000	320,000	11.27	5.83	5.44	1.9/1.7
MW-3	10/28/2000	<12,500	441	<125	<125	<125	<125	266,000	308,000	11.27	17.51	-6.24	1.1/1.4

WELL CONCENTRATIONS Shell-branded Service Station 105 5th Street Oakland, CA

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-3	01/30/2001	<5,000	555	<50.0	<50.0	<50.0	<50.0	248,000	167,000a	11.27	11.43	-0.16	2.0/2.2
MW-3	04/17/2001	<5,000	347	<50.0	<50.0	<50.0	<50.0	134,000	133,000	11.27	6.57	4.70	1.3/1.2
MW-4	03/23/2001	NA	NA	NA	NA	NA	NA	NA	NA	9.50	8.21	1.29	NA
MW-4	04/17/2001	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	9.50	5.08	4.42	2.4/2.6

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

n/n = Pre-purge/Post-purge

Notes:

a = Sample was analyzed outside of the EPA recommended holding time

b = Result was generated out of hold time

Top of casing for well MW-4 provided by Cambria Environmental Technology, Inc.



2 May, 2001

Nick Sudano Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112

RE: 105 5th St.

Sequoia Report: MKD0514

Enclosed are the results of analyses for samples received by the laboratory on 04/18/01 10:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Smyly Project Manager

CA ELAP Certificate #1210



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

Blaine Tech Services (Shell)

Project: 105 5th St.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 105 5th St./ Oakland

Project Manager: Nick Sudano

Reported: 05/02/01 09:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	· Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MKD0514-01	Water	04/17/01 14:05	04/18/01 10:43
MW-2	MKD0514-02	Water	04/17/01 14:40	04/18/01 10:43
MW-3	MKD0514-03	Water	04/17/01 15:18	04/18/01 10:43
MW-4	MKD0514-04	Water	04/17/01 13:35	04/18/01 10:43

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.

Jeff Smyly, Project Manager





Project: 105 5th St.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 105 5th St./ Oakland Project Manager: Nick Sudano Reported:

05/02/01 09:12

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKD0514-01) Water	Sampled: 04/17/01 14:05	Received:	04/18/0	1 10:43				· · · · · · · · · · · · · · · · · · ·	
Purgeable Hydrocarbons	ND	50.0	ug/l	1	1D20003	04/20/01	04/20/01	DHS LUFT	
Benzene	ND	0.500	"	**	**	#	"	••	
Toluene	ND	0.500	n	**	H	н	#	11	
Ethylbenzene	ND	0.500	н	77	н	11		#	
Xylenes (total)	ND	0.500	н		" .	**	**	**	
Methyl tert-butyl ether	ND	2.50		11	"	*			
Surrogate: a,a,a-Trifluorotoluer	ne	86.1 %	70-	130	rr	"	н	"	
MW-2 (MKD0514-02) Water	Sampled: 04/17/01 14:40	Received	04/18/0	1 10:43					
Purgeable Hydrocarbons	598	200	ug/l	4	1D24002	04/24/01	04/24/01	DHS LUFT	P-01
Benzene	21.8	2.00	н	π	u	**	H	*	
Toluene	ND	2.00	II .	#	**	•	"	"	•
Ethylbenzene	16.9	2.00	H	**	H		11	11	
Xylenes (total)	10.8	2.00	"	#1	77	41	u	ш	
Methyl tert-butyl ether	5630	100	**	40	*		04/26/01	H	M-0.
Surrogate: a,a,a-Trifluorotoluer	ne	99.9 %	70	-130	"	"	04/24/01	"	
MW-3 (MKD0514-03) Water	Sampled: 04/17/01 15:18	Received	: 04/18/0	1 10:43				·	
Purgeable Hydrocarbons	ND	5000	ug/l	100	1D24002	04/24/01	04/24/01	DHS LUFT	R-0.
Benzene	ND	50.0	n	11	w	"	"	**	R-05
Toluene	ND	50.0		н	•	"	#	п	R-0:
Ethylbenzene	ND	50.0	**	н	**	11	n	Ħ	R-0:
Xylenes (total)	ND	50.0	**	n	**	17		•	R-0:
Methyl tert-butyl ether	134000	1000		400	Ħ	H	04/20/01	**	A-01,M-03,F -02
Surrogate: a,a,a-Trifluorotolue	ne	107 %	70	-130	n	rr	04/24/01	"	R-0.





Project: 105 5th St.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 105 5th St./ Oakland

Project Manager: Nick Sudano

Reported: 05/02/01 09:12

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MKD0514-04) Water	Sampled: 04/17/01 13:35	Received	04/18/01	10:43					
Purgeable Hydrocarbons	ND	50.0	ug/l	ı	1D20003	04/20/01	04/20/01	DHS LUFT	
Benzene	ND	0.500	**	**	II .	II .	"	u	
Toluene	ND	0.500	*	17	u	н	II .	II	
Ethylbenzene	ND	0.500	**	**	D	п	и	н	
Xylenes (total)	ND	0.500	**	**	H	н	**	н	
Methyl tert-butyl ether	ND	2.50	n	**	**	н	**	rt	
Surrogate: a,a,a-Trifluorotoluer	ne	90.1 %	70	130	"	17	"	"	





1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland Project Manager: Nick Sudano **Reported:** 05/02/01 09:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MKD0514-01) Water	Sampled: 04/17/01 14:05	Received	04/18/0	10:43					
Diesel Range Hydrocarbons	ND	50.0	ug/l	1	1D26029	04/26/01	04/30/01	DHS LUFT	
Surrogate: n-Pentacosane		79.5 %	50-	150	"	#	'n	"	
MW-2 (MKD0514-02) Water	Sampled: 04/17/01 14:40	Received	04/18/0	1 10:43					<u> </u>
Diesel Range Hydrocarbons	179	50.0	ug/l	1	1D26029	04/26/01	04/30/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		72.8 %	50-	150	"	"	"	rr	
MW-3 (MKD0514-03) Water	Sampled: 04/17/01 15:18	Received	: 04/18/0	1 10:43					
Diesel Range Hydrocarbons	347	50.0	ug/l	1	1D26029	04/26/01	04/30/01	DHS LUFT	D-15
Surrogate: n-Pentacosane		77. 6 %	50-	150	*	"	"	"	
MW-4 (MKD0514-04) Water	Sampled: 04/17/01 13:35	Received	: 04/18/0	1 10:43					
Diesel Range Hydrocarbons	ND	50.0	ug/l	1	1D26029	04/26/01	04/30/01	DHS LUFT	
Surrogate: n-Pentacosane		75.1 %	50-	150	"	n	,	"	

Sequoia Analytical - Morgan Hill



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

Blaine Tech Services (Shell)

1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland

Project Manager: Nick Sudano

Reported:

05/02/01 09:12

MTBE Confirmation by EPA Method 8260A

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (MKD0514-03) Water	Sampled: 04/17/01 15:18	Received:	04/18/0	1 10:43					
Methyl tert-butyl ether	133000	2000	ug/l	2000	1D27009	04/26/01	04/27/01	EPA 8260A	A-0la
Surrogate: 1,2-Dichloroethane-c	d4	95.2 %	70	-130	"	"	"	"	





1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland

Reported:

Project Manager: Nick Sudano

05/02/01 09:12

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Anglida	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	result	Lillit	Ville							
Batch 1D20003 - EPA 5030B [P/T]										
Blank (1D20003-BLK1)				Prepared:	04/20/00	Analyzed	: 04/20/01			
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	п							
Toluene	ND	0.500	н							
Ethylbenzene	ND	0.500								
Xylenes (total)	ND	0.500	#							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	8.41		"	10.0		84.1	70-130			
LCS (1D20003-BS1)				Prepared:	: 04/20/00	Analyzed	: 04/20/01			
Purgeable Hydrocarbons	224	50.0	ug/l	250		89.6	70-130		=	
Surrogate: a,a,a-Trifluorotoluene	12.5		"	10.0		125	70-130			
Matrix Spike (1D20003-MS1)	So	ource: MKD0	527-01	Prepared	: 04/20/00	Analyzed	1: 04/20/01			
Purgeable Hydrocarbons	238	50.0	ug/l	250	ND	95.2	60-140			
Surrogate: a,a,a-Trifluorotoluene	11.7		'n	10.0		117	70-130			
Matrix Spike Dup (1D20003-MSD1)	Se	ource: MKD0	527-01	Prepared	: 04/20/00	Analyzed	1: 04/20/01			
Purgeable Hydrocarbons	208	50.0	ug/l	250	ND	83.2	60-140	13.5	. 25	
Surrogate: a,a,a-Trifluorotoluene	11.1		p	10.0	-	111	70-130			
Batch 1D24002 - EPA 5030B [P/T]										
Blank (1D24002-BLK1)				Prepared	& Analyz	ed: 04/24/	01			
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	**							
Ethylbenzene	ND	0.500	•							
Xylenes (total)	ND	0.500	11							
Methyl tert-butyl ether	ND	2.50	н							
Surrogate: a,a,a-Trifluorotoluene	9.73		н	10.0		97.3	70-130			



1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland Project Manager: Nick Sudano **Reported:** 05/02/01 09:12

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D24002 - EPA 5030B [P/T]		<u>-</u>	<u> </u>				-			
LCS (1D24002-BS1)				Prepared	& Analyze	ed: 04/24/0	01			
Benzene	9.89	0.500	ug/l	10.0		98.9	70-130			
Toluene	9.69	0.500	11	10.0		96.9	70-130			
Ethylbenzene	9.97	0.500	ıı	10.0		99.7	70-130			
Xylenes (total)	30.0	0.500	п	30.0		100	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.93		#	10.0		99.3	70-130			
Matrix Spike (1D24002-MS1)	Se	ource: MKD0	510-03	Prepared	& Analyz	ed: 04/24/	01	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Benzene	10.8	0.500	ug/l	10.0	ND	108	60-140			
Toluene	9.83	0.500	*	10.0	ND	98.3	60-140			
Ethylbenzene	9.60	0.500	#	10.0	ND	96.0	60-140			
Xylenes (total)	30.1	0.500	11	30.0	ND	100	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.4		**	10.0		104	70-130			
Matrix Spike Dup (1D24002-MSD1)	S	ource: MKD0	510-03	Prepared	& Analyz	ed: 04/24/	01			
Benzene	11.9	0.500	ug/l	10.0	ND	119	60-140	9.69	25	
Toluene	10.4	0.500	77	10.0	ND	104	60-140	5.64	25	
Ethylbenzene	. 10.7	0.500	"	10.0	ND	107	60-140	10.8	25	
Xyienes (total)	30.9	0.500	•	30.0	ND	103	60-140	2.62	25	
Surrogate: a,a,a-Trifluorotoluene	10.3	** ***********************************	<i>y</i>	10.0		103	70-130			





1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland

Project Manager: Nick Sudano

Reported:

05/02/01 09:12

Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D26029 - EPA 3510B		# (#) ·								<u></u>
Blank (1D26029-BLK1)				Prepared:	04/26/01	Analyzed	1: 04/27/01			
Diesel Range Hydrocarbons	ND	50.0	ug/l							
Surrogate: n-Pentacosane	72.7		"	100		<i>72.7</i>	50-150			
LCS (1D26029-BS1)				Prepared	04/26/01	Analyzeo	1: 04/27/01			
Diesel Range Hydrocarbons	683	50.0	ug/l	1000		68.3	60-140			
Surrogate: n-Pentacosane	72.4		"	100	•	72.4	50-150			
Matrix Spike (1D26029-MS1)	Sc	ource: MKD0	514-01	Prepared	: 04/26/01	Analyze	1: 04/30/01			
Diesel Range Hydrocarbons	694	50.0	ug/i	1000	ND	69.4	50-150			
Surrogate: n-Pentacosane	75.4		n	100		75.4	50-150			
Matrix Spike Dup (1D26029-MSD1)	Sc	ource: MKD0	514-01	Prepared	: 04/26/01	Analyze	d: 04/30/01			
Diesel Range Hydrocarbons	669	50.0	ug/l	1000	ND	66.9	50-150	3.67	50	
Surrogate: n-Pentacosane	75.0		"	100		75.0	50-150			





Project: 105 5th St.

1680 Rogers Avenue San Jose CA, 95112 Project Number: 105 5th St./ Oakland Project Manager: Nick Sudano Reported:

05/02/01 09:12

MTBE Confirmation by EPA Method 8260A - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D27009 - EPA 5030B P/T										
Blank (1D27009-BLK1)				Prepared	& Analyze	ed: 04/26/0	01			
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	70-130			•
LCS (1D27009-BS1)				Prepared	& Analyze	ed: 04/26/0	01			
Methyl tert-butyl ether	10.6	1.00	ug/l	10.0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.80		#	10.0		98.0	70-130			
LCS Dup (1D27009-BSD1)				Prepared	& Analyze	ed: 04/26/0	01			
Methyl tert-butyl ether	8.70	1.00	ug/l	10.0		87.0	70-130	19.7	25	
Surrogate: 1,2-Dichloroethane-d4	9.81		Tr .	10.0		98.1	70-130			





1680 Rogers Avenue San Jose CA, 95112 Project: 105 5th St.

Project Number: 105 5th St./ Oakland Project Manager: Nick Sudano Reported:

05/02/01 09:12

Notes and Definitions

A-01 MTBE was prepared on 4/20/01.

A-01a The concentration reported is an estimated value above the lilnear quantitation range. The value confirms the MTBE result from

8020 analysis.

D-15 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24

M-03 Sample was analyzed at a second dilution.

P-01 Chromatogram Pattern: Gasoline C6-C12

R-05 The reporting limit(s) for this sample have been raised due to high levels of non-target interferents.

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

LAB: SEQUOIA			EQUIVA Services LLC Cha						ain	in Of Custody Record										
Lab Identification (if necessary):	uiva Project	Manager to	be in	voice	d:		-	_					NOID	N N	MBE	(58 E	ONEY)		4-17-01	1
City, State, Zip:	SCIENCE & ENGIN TECHNICAL SERVI CRMT HOUSTON		Kare	Saren Petryna					9 8 9 9 5 7 5 7 SAP of CRIST NUMBER (SAE CINEY) PAGE: of											
ONBULTANT COMPANY:			afte A	DDRESS	(Street n	nd City):	:													
aine Tech Services			105 8	5th S1	reet,	Oakl	and									TIE 222	at ha			
portas: 80 Rogers Avenue			1	CT CONTACT (Report to):							62 010417-1	02								
17: un Jose, CA 95112				MOLER MANERA (Form):								ONET								
ELEPHONE: FAX: 408-573-7771	6-MAL: nsudano@bi	ainetech.com	17	TORMY ALPERS										// I	<i>Φ</i> 05/4					
URIVAROUND TIME (BUSINESS DAYS): 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24	HOURS 🔲 LESS 1	THAN 24 HOURS										REC	QUES'	TED A	NALY	SIS	· · · · · · · · · · · · · · · · · · ·	- , ,		
ECIAL INSTRUCTIONS OR NOTES: TEMPI		ALLEIPT C°	TPH - Gas, Purgeable (8015m)	BTEX (802/B)	MIDE (8260B)	TPH - Diesel, Extractable (8015m)	Oxygenates (5) by 8260	Ethanol, Methanol (8015B)	1,2-DCA & EDB by 8010	MTBE (\$2008) Confirmation, See Note									FIELD NOTES Container/Preservat or PID Readings or Laboratory Note	tive
MW-1 41	199	ک ≉ھ دی				×				×										
mw.2	พนอ	1 5	1		<	×				×										
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Futer (Signature)	F	Received by: (Signati	та)	===	.	1				<u> </u>				Dafe				Time		

Project # 0104 17-02 Date 4-17-01 Client EQUIVA

Site 105 574 ST. OAKLAND / 98995757

	T			Thickness	Volume of	1	<u> </u>		<u></u>
	Well		Depth to	of	Immiscibles	B .		Survey	
Well ID	Size (in.)	Sheen / Odor	Immiscible			Depth to water		Point: TOB	
Well ID	(111.)	Odor	Liquid (ft.)	Liquid (ft.)	(ml)	(ft.)	bottom (ft.)	or 108	
MW-I	4				No. of the latest and	6.61	23.61	1 T	T I federal proper commercial case.
mw-2	Ч					6.08	23.58		
mw-3	4	IN WE	D W/ S	TINAET	2	6.08 6.57 5.08	24.87		-
mw.2 mw.3 mw.4	2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			508	20.03		
						0.00	20.00		
		-				Topic (beggs I had			
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and the state of t			SOPHWARE COLUMN				į		
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BTS#: ৫	21041	7-02		Site:	9899	5757						
		<u>-</u>	TUPERS	1	4-17-		•					
	: Mw-	•		Well I	Diameter:	2 3 4) 6 8					
Total We	ll Depth:	2361		Depth	Depth to Water: 66							
Depth to	Free Produ	ıct:				ree Product (fee	et):					
Reference		PVC	Grade	 	Meter (if		YSD HACH					
Purge Metho	od: Bailer Disposable Ba Middleburg Electric Subtr	•	Waterra Peristaltic Extraction Pump Other	Sampling Method: Disposable Bailer Extraction Port Dedicated Tubing Other: Well Diameter Multiplier Well Diameter Multiplier								
(1.05) 1 Case Volum	(Gala.) 11	3 pecified Volum	$\frac{233.15}{\text{Calculated Vo}}$		1" 2" 3"	0.04 4" 0.16 6" 0.37 Other	0.06 1.47 radius ² * 0.163					
Time	Temp (°F)	pН	Cond.	Turbidity		Gals. Removed	Observations					
14:00	73.4	6.9	1573	12:	2	11.25						
14:01	70.3	6.9	850	니	3	22.5						
1402	68.6	6.8	462	/5	50	33.75						
Did well	dewater?	Yes	NO	Gallor	is actuall	y evacuated: 🥃	33.75					
Sampling	Time: 🔧	1405	5		ing Date:	_						
	.D.: w (Labora	atory:	Sequoia Colum	bia Other					
Analyzed	for: TPH-	-G BTEX	MTBE TPH-D	Other:								
EB I.D. (if applicab	le):	@ Time	Duplic	ate I.D. ((if applicable):						
Analyzed	for: TPH-	-G BTEX	MTBE TPH-D	Other:								
D.O. (if r	eq'd):	2/4	Pre-purge:	₽ 7.4	(^{mg} / _L	Post-purge:	4.4 mg/L					
O.R.P. (if	frea'd):		Pre-purge:		mV	Post purge:	mV					

											
BTS#: C	1041	7-02		Site: 9899	5757						
			PERS	Date: 4-17-	-21						
	Mw-			Well Diameter:	2 3 4	68					
		23.59	ζ	Depth to Water: 6.08							
Depth to I				Thickness of Free Product (feet):							
Reference		#V0	Grade	D.O. Meter (if req'd): ASI HACH							
11.37	Bailer Disposable B Middleburg Electric Subn(Gals.) X	ailer nersible	Waterra Peristaltic Extraction Pump Other = 34.12	Well Diamete 1" 2" 3"	Disposable Bailer Extraction Port Dedicated Tubing	Diameter Multiplier 0.63 1.47 radius² * 0.163					
1 Case Volum		pecified Volun		Turbidity	Gals. Removed	Observations					
Time	Temp (°F)		Cond.	7200	U.S	Coscivations					
1430	75.4	6.9	420		<u>.</u>						
1431	71.8	6.7	510	. 65	23						
1432	71.8	6.7	550	41	34.5						
Did well	dewater?	Yes	MG)	Gallons actuall	y evacuated:	34.5					
Sampling	Time: [140		Sampling Date	: 4-17-01						
Sample I	.D.: M v	v2		Laboratory: (Sequoia Colum	ibia Other					
Analyzed		I-G) BTEX	MTBE TPH-D	Other:							
EB I.D. (if applicat	ole):	@ Time	Duplicate I.D.	(if applicable):						
Analyzed	l for: TPH	I-G BTEX	MTBE TPH-D	Other:							
D.O. (if 1	req'd):	1.5	Pre-purge:	l,S mg/L	Post-purge	2.6 mg/L					
O.R.P. (i	f reg'd):		Pre-purge:	mV	Post-purge:	mV					

	_										
BTS #: <i>C</i>	21041	7-02		Site: 9	899	5757					
Sampler:	TOMV		HUPERC	Date: 4		=-					
	: Mw-			Well Dia	ımeter:	2 3 4) 6 8				
Total We	ll Depth:	24.8	7	Depth to Water: £65 6.57							
-	Free Produ					ree Product (fee					
Reference		eve	Grade	D.O. Meter (if req'd): ASI HACH							
,	Bailer Disposable Bound Middleburg Electric Subm	nersible	Waterra Peristaltic Extraction Pump Other	, \\\\\\\	Other:	Bailer Disposable Bailer Extraction Port Dedicated Tubing Multiplier Well 1 0.04 4"	Diameter Multiplier				
1 Case Volum		35 5. pecified Volum	$\frac{Z}{mes} = \frac{35.52}{Calculated Vol$		2" 3"	0.16 6" 0.37 Other	1.47				
Time	Temp (°F)	Cond.	Turbi	dity	Gals. Removed	Observations					
1504	74.3	6.9	627	83		12	Shell				
1505	68.6	6.7	896	3.5	>	24	**				
1507	67.6	6.7	929	140	>	36					
Did well	dewater?	Yes	No	Gallons	actuall	y evacuated:	36				
Sampling	g Time: 1	518		Samplin	g Date	: 4-17-01					
Sample I	.D.: ML	ა3		Laborato	ory: (Sequoia Colum	bia Other				
Analyzed	l for: (трн	-G BTEX	MTBE TPH-D	Other:							
EB I.D. (if applicab	le):	@ Time	Duplicat	e I.D.	(if applicable):					
Analyzed	l for: TPH	-G BTEX	MTBE (TPH-D)	Other:							
D.O. (if 1	req'd):	ix	3 Pre-purge	1.3	$^{ m mg}/_{ m L}$	Post-purge:) 1.2 mg/ _L				
O.R.P. (i	f rea'd):		Pre-purge:		mV	Post-purge:	mV				

BTS#: C	1041	7-02		Site: 989.	15757						
Sampler:	TOM	~4 A	LPERS	Date: 4	(7-0)"	-					
	mw-	•		Well Diamete	r: ② 3 4	6 8					
Total We	ll Depth:	20.03		Depth to Wate	er: 508						
	Free Produ			Thickness of	Free Product (fee	et):					
Reference		pXC)	Grade	D.O. Meter (if req'd): (SD) HACH							
4.	Bailer Disposable Ba Middleburg Electric Subm (Gals.) X	nersible	Waterra Peristaltic Extraction Pump Other = 7.17	Well Diam 1" 2" 3"	Disposable Bailer Extraction Port Dedicated Tubing	Diameter <u>Multiplier</u> 0.65 1.47 radius ² * 0.163					
1 Case Volum		ecified Volun		olume							
Time	Temp (°F)		Cond.	Turbidity	Gals. Removed	Observations					
13:21	66.9	7.4	2157	>200	\$2.3						
13:23	65.4	7.4	2227	>200	5						
13.26	65.6	6.9	2221	>2∞	7.5						
Did well	dewater?	Yes	<u>No</u>	Gallons actua	lly evacuated:	7.5					
Sampling	g Time: 1	3:35	-	Sampling Da	te: 4-17-01						
Sample I	.D.: M v	J - Y		Laboratory:	Sequoia Colum	nbia Other					
Analyzed	l for: (TPH	-G BTEX	MTBE (TPH-D)	Other:							
EB I.D. (if applicab	ole):	@ Time	Duplicate I.D	o. (if applicable):						
Analyzed	i for: TPH	-G BTEX	MTBE TPH-D	Other:							
D.O. (if i	req'd):	2.4	Pre-purge	₹ 7.5	Post-purge	2.6 mg/L					
ORP (i	f reald):		Pre-purge	. m	V Post-purge	mV					

WELL GAUGING DATA

Project # 010323-X1 Date_	3/23/01	_Client	EQUIVA
Site 105 5th st			

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Total Depth Post Development
Mw-4	2					8,21	19.94	Tac	19.99
ili vie exercica seo banaca.									
7 () () () () () () () () () (
1									
		-						- <u>- </u>	
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	paneral page 144 K	ATA Recent constant			**************************************		THE POPULATION AND ADDRESS OF THE PO		
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		WELI	DEVEL(JPMENT.	DATA SE	HEET					
Project #:	01032	3-X1		Client:	EQUIVA	1					
Develope			-		loped: 3/						
Well I.D.	MW-	4		Well Diam	eter: (circle	one) ② 3 4 6					
Total Wel	ll Depth:			Depth to W	Jater:						
Before /9	,94	After 19	.99	Before § , Z / After /7.90							
Reason no	ot develop	ed:		If Free Product, thickness:							
Additiona											
{12 x (c where 12 = in /	neter (in.) 416):	Well dia. VC 2" = 0.1 3" = 0.3 4" = 0.6 6" = 1.4 10" = 4.0 12" = 6.8	-6 7 5 7 8							
	8	X				18.7					
1 Case	Volume	<u> </u>	Specifie	d Volumes	=	gallons					
Purging De	vice:	Bailer Middleburg Type of Insta Other equipm	illed Pump _	Electric Subr Suction Pum							
TIME	TEMP (F)	pН	COND.	TURBIDITY	VOLUME REMOVED:	NOTATIONS:					
	SW	BAED	well	FOR 10	MIN						
0713	Be		19129	Soft	BOTTON	4					
0715	61.5	6.64	2566	7700	2	Silty Turbid					
0717	62.6	6.89	2570	7700	4						
0719	62.7	7.39	2480	7200	6	Less SIty					
0721	63.1	7,47	2517	7200	8	DFW 15.05					
	628	7,58	2476	7200	10	·					
	Pavs			Levels	•	TD 19.98 DTW 16.60					
0728	Re.	seme	Purgi	~9							
0730	63.1	7,38	2272	7	12	Less Turbed Hadbotton					

7200

7 200

7 200

2500

2206

2151

2147

2133

7,73

7,82

7.82

7.83

0735 63,4

0734

0736

0738

63.1

62.8

62.9

Did Well Dewater? ____ If yes, note above.

14

16

18

Gallons Actually Evacuated: 20

20

Hard Bothon TD 19.99

Water Chearing