RECEIVED







Atlantic Richfield Company (a BP affiliated company)

P.O. Box 1257 San Ramon, CA 94583 Phone: (925) 275-3801 Fax: (925) 275-3815

26 January 2007

Re: Fourth Quarter 2006 Ground-Water Monitoring and Remediation System Status Report Atlantic Richfield Company (a BP affiliated company) Station #608 17601 Hesperian Boulevard San Lorenzo, California ACEH Case #RO0000255

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Submitted by:

Paul Supple

Environmental Business Manger

Fourth Quarter 2006 Ground-Water Monitoring and Remediation System Status Report Atlantic Richfield Company Station #608

17601 Hesperian Boulevard San Lorenzo, California

Prepared for

Mr. Paul Supple Environmental Business Manager Atlantic Richfield Company P.O. Box 1257 San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212 Chico, California 95926 (530) 566-1400 www.broadbentinc.com

26 January 2007

Project No. 06-08-606



26 January 2007

Project No. 06-08-606

Atlantic Richfield Company P.O. Box 1257 San Ramon, California 94583 Submitted via ENFOS

Attn.: Mr. Paul Supple

Re:

Fourth Quarter 2006 Ground-Water Monitoring and Remediation System Status Report, Atlantic Richfield Company (a BP affiliated company) Station #608, 17601 Hesperian Blvd., San Lorenzo, Alameda County, California; ACEH Case #RO0000255

Dear Mr. Supple:

Provided herein is the Fourth Quarter 2006 Ground-Water Monitoring and Remediation System Status Report for Atlantic Richfield Company Station #608 (herein referred to as Station #608) located at 17601 Hesperian Boulevard, San Lorenzo, California (Site). This report presents a summary of Fourth Quarter 2006 ground-water monitoring/sampling results and remediation system operation and maintenance.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.

Senior Engineer

Robert H. Miller, P.G., C.HG.

Principal Hydrogeologist

Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)

ROBERT H. MILLER

No. 4893

TEXAS

Electronic copy uploaded to GeoTracker

ARIZONA

CALIFORNIA NEVADA

STATION #608 QUARTERLY GROUND-WATER MONITORING REPORT AND REMEDIATION SYSTEM STATUS REPORT

Facility: #608 Address: 17601 Hesperian Boulevard, San Lorenzo

Environmental Business Manager: Mr. Paul Supple

Consulting Co./Contact Persons: Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400

Consultant Project No.: 06-08-606

Primary Agency/Regulatory ID No.: Alameda County Environmental Health (ACEH)

ACEH Case #RO0000255

Facility Permits/Permitting Agency: Oro Loma Sanitary District Permit #SDP-037

WORK PERFORMED THIS QUARTER (Fourth Quarter 2006):

- 1. Prepared and submitted Third Quarter 2006 report.
- 2. Conducted ground-water monitoring/sampling for Fourth Quarter 2006. Work performed on 7 December 2006 by Stratus Environmental, Inc (Stratus).
- 3. Continued operation, maintenance and performance monitoring of the ground-water extraction and treatment (GWET) system.
- 4. Submitted monthly discharge reports for September-November 2006 to Oro Loma Sanitary District.
- 5. Submitted request to the Oro Loma Sanitary District for change of operator from URS Corporation to Stratus.

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2007):

- 1. Prepared and submitted Fourth Quarter 2006 Report (contained herein).
- 2. Conduct ground-water monitoring/sampling for First Quarter 2007.
- 3. Continue operation, maintenance, and performance monitoring of GWET system.
- 4. Submit monthly discharge reports for December 2006 through February 2007 to Oro Loma Sanitary District.
- 5. Submit proposal to ACEH to cease active GWET system remediation.

OUARTERLY RESULTS SUMMARY:

Current phase of project:	Ground-water monitoring/sampling/remediation
Frequency of ground-water sampling:	See Table 4
Frequency of monitoring:	See Table 4
Is free product (FP) present on-site:	No
FP recovered this quarter:	None
Depth to ground water (below TOC):	9.05 ft (MW-14) to 11.71 ft (MW-5)
General ground-water flow direction:	West
Approximate hydraulic gradient:	0.004 ft/ft
Current remediation techniques:	GWET; Three 2,400-lb carbon vessels in series
Frequency of GWET system field	
monitoring:	Bi-weekly
Frequency of GWET system	
laboratory sampling:	Monthly
System restart:	06/05/2000
Extraction well:	E-1A
Gallons of ground water treated and	
discharged for this quarter:	697

Page 2

QUARTERLY RESULTS SUMMARY (Continued):

Total gallons of ground water treated			
and discharged to date:	8,346,914		3,659,031 Since restart
Total operation hours to date:	79,335		49,743 Since restart
Mass Removal (pounds)	Quarterly		Cumulative
Gasoline range organics (GRO):	0.000		7.54
Benzene:	0.000		0.31
Methyl-tert butyl ether (MTBE):	0.001		2.97
GWET system samples collection			
dates and influent results (μg/L):	10/9/2006	11/10/2006	12/05/2006
GRO:	<50	<50	
Benzene:	<0.50	<0.50	
MTBE:	3.3	6.6	
GWET system samples collection			
dates and effluent results (μg/L):	10/9/2006	11/10/2006	12/05/2006
GRO:	<50	<50	
Benzene:	<0.50	<0.50	
MTBE:	< 0.50	<0.50	

DISCUSSION:

Fourth Quarter 2006 ground-water monitoring and sampling was conducted at Station #608 on 7 December 2006 by Stratus personnel. Water levels were gauged in 12 of the 16 monitoring wells associated with the Site. Monitor well MW-16 was not gauged for depth to water because access to the well was blocked by a parked car. Wells E-1A, 642H and 17372VM were also not measured for depth to water because Stratus reported they could not locate the wells. Depth to water measurements ranged from 9.05 ft at MW-14 to 11.71 ft at MW-5. Resulting ground-water surface elevations ranged from 25.11 ft above mean sea level in up-gradient well MW-25 to 20.91 ft at well MW-21. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the west at approximately 0.004 ft/ft, consistent with historical data (see Table 3). Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Potentiometric ground-water elevation contours are presented in Drawing 1.

Water samples were collected from two of the wells associated with the Site, inconsistent with the sampling schedule presented in Table 4. Exceptions to the sampling program included not collecting samples from MW-16, or private wells E-1A, 642H, or 17372VM as described above. No other irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (C4-12) by the LUFT GCMS Method; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Diisopropyl ether(DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B. No significant irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in one well, MW-10 at a concentration of 360 micrograms per liter (µg/L). TAME was detected above the laboratory

Page 3

reporting limit in one well, MW-25 at a concentration of 6.1 μ g/L. TBA was detected above the laboratory reporting limit in one well, MW-10 at a concentration of 24 μ g/L. MTBE was detected above the laboratory reporting limit in each of the wells sampled at concentrations up to 14 μ g/L in well MW-25. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the two wells sampled this quarter. The concentration of MTBE detected in well MW-10 was the lowest concentration observed in this well to date. Otherwise, detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well. Historic laboratory analytical results are summarized in Table 1 and Table 2. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. A copy of the Laboratory Analytical Report, including chain-of-custody documentation is provided in Appendix A. Ground-water monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix C.

For the Fourth Quarter 2006 period from 9 October 2006 to 5 December 2006, the GWET system is reported to have operated 99.8 percent of the time. During this period, a total of 697 gallons of ground water was treated and discharged. No GRO was reported removed during the Fourth Quarter 2006, keeping the total GRO removed to date at 7.54 pounds (1.24 gallons). No Benzene was reported removed during the Fourth Quarter 2006, keeping the total Benzene removed to date at 0.31 pounds (0.04 gallons). For the Fourth Quarter 2006, approximately 0.00002 pounds (0.000 gallons) of MTBE was removed, keeping the total MTBE removed to date to 2.97 pounds (0.48 gallons). Ground-water extraction performance and analytical data is summarized in Table 5. The GWET system operated for approximately six days between 29 November 2006 and 5 December 2006 based on the hour meter reading. However, the ground-water totalizer remained unchanged during this period possibly due to clogging of the filter vessels or pump malfunction. On 5 December 2006, the GWET system was shut down to facilitate change of operator information in the sewer discharge permit. Based on a telephone conversation with the Oro Loma Sanitary District on 21 December 2006, the change of operator request was approved. The system was restarted on 2 January 2007 and shut down the same day after sample collection. The system appeared to be functioning normally after it was restarted.

CLOSURE:

The findings presented in this report are based upon: observations of Stratus field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by Test America (Morgan Hill, California). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

- Drawing 1. Ground-Water Elevation Contours and Analytical Summary Map, 7 December 2006, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 1. Ground-Water Extraction System Mass Removal Trends, TPH-g/GRO and Benzene, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California

Page 4

- Figure 2. Ground-Water Extraction System Concentration Trends, TPH-g/GRO and Benzene, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 3. Ground-Water Extraction System Mass Removal Trend, MTBE, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Figure 4. Ground-Water Extraction System Concentration Trend, MTBE, ARCO Service Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #608, 17601 Hesperian Blvd., San Lorenzo, CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 4. Ground-Water Sampling Schedule, Atlantic Richfield Company Station #608, 17601 Hesperian Boulevard, San Lorenzo, California
- Table 5. Ground-Water Extraction System Performance Data, Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA
- Table 6. Treatment System Analytical Data, Station #601, Station #608, 17601 Hesperian Blvd., San Lorenzo, CA
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets and Laboratory Analytical Report with Chain-of-Custody Documentation)
- Appendix B. System O&M Data Packages and Monthly Discharge Reports (Includes Field Data Sheets and Laboratory Analytical Reports with Chain-of-Custody Documentation)
- Appendix C. GeoTracker Upload Confirmation

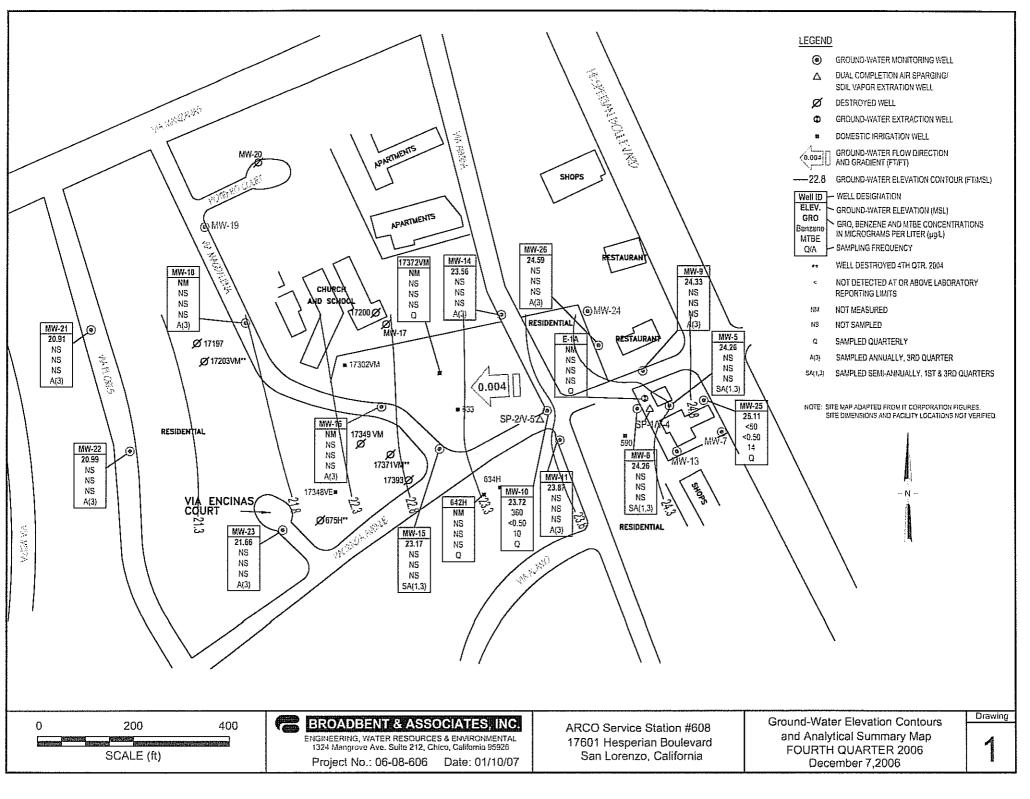


Figure 1
Ground-Water Extraction System Mass Removal Trends
TPH-g/GRO and Benzene

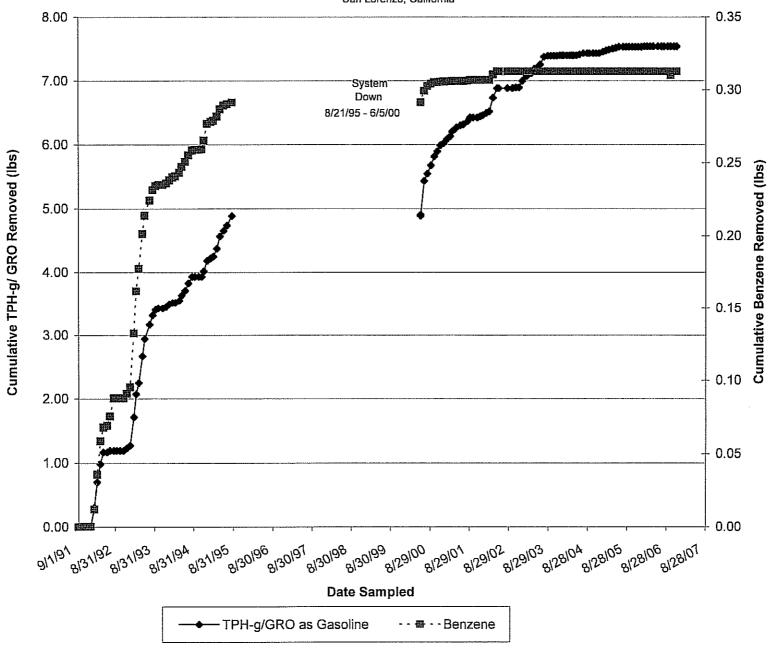


Figure 2
Ground-Water Extraction System Concentration Trends
TPH-g/ GRO and Benzene

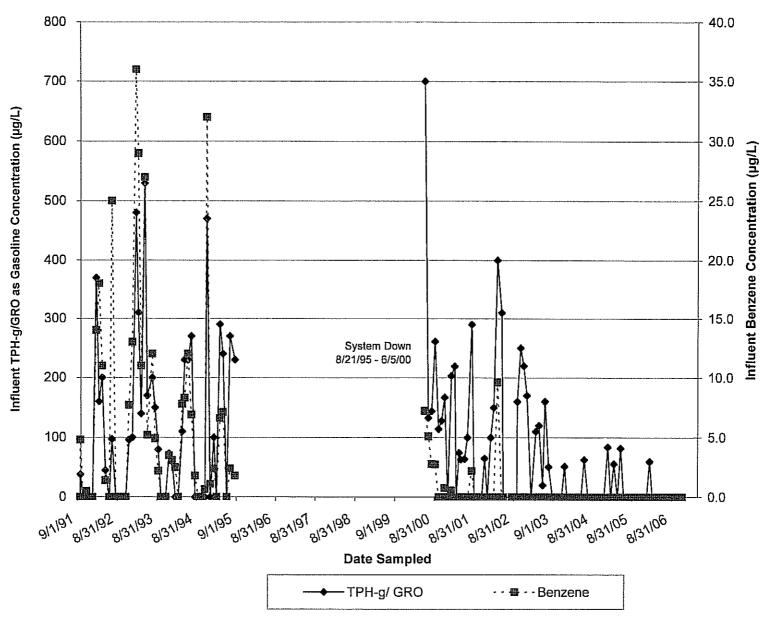
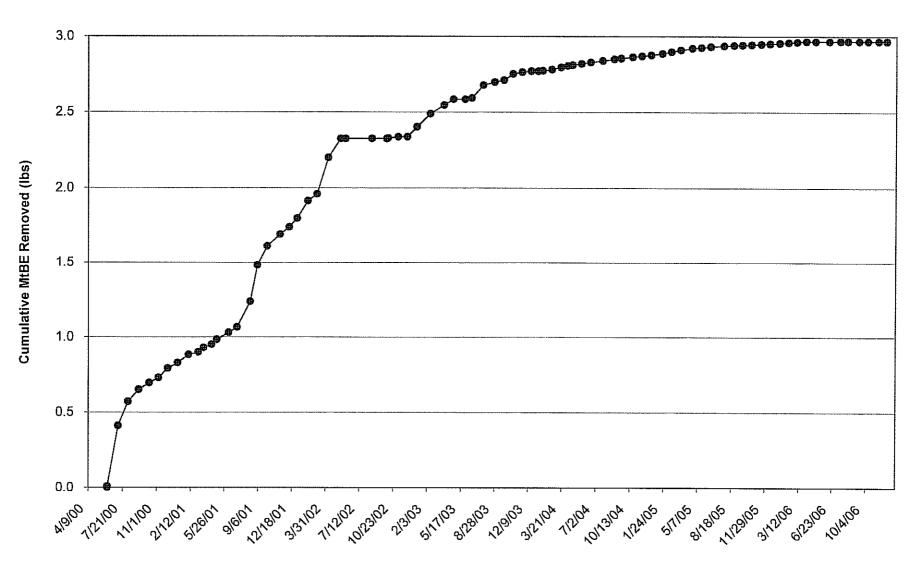
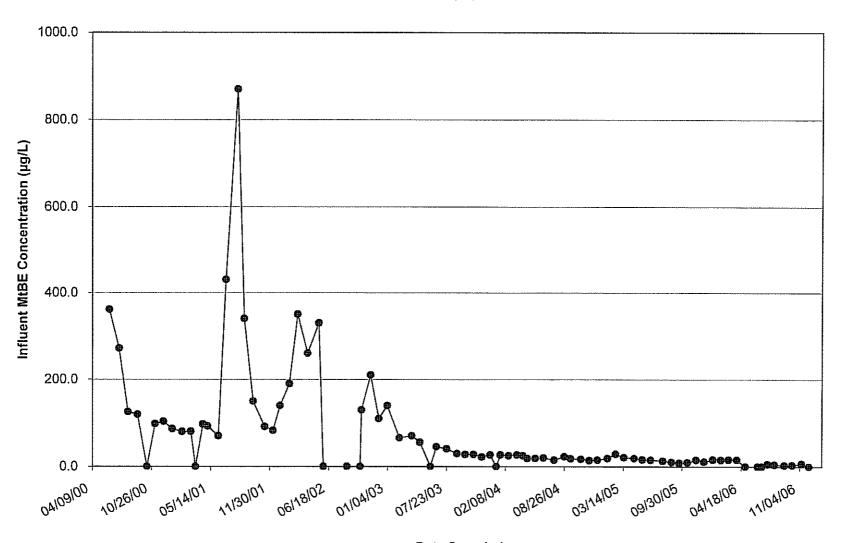


Figure 3
Ground-Water Extraction System Mass Removal Trend
MTBE



Date Sampled

Figure 4
Ground-Water Extraction System Concentration Trend
MTBE



Date Sampled

				Top of	Bottom of		Water Level			Concentra	tions in (µş	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
17349 VM			****											,	
3/13/2002					-		-	<50	1	<0.50	<0.50	<0.50	49		
6/28/2002								66	0.50	<0.50	<0.50	<0.50	47/45	-	
9/20/2002		k		****									_	-	
17372 VM															
3/13/2002							<u> </u>	450	₹030	<0.50	₹050#	<0.50	25		
6/28/2002		23 24400 mer 4 mer 47 mer 2 mer 2 4 me				-		<50	<0.50	<0.50	<0.50	<0.50	<2.5		
9/20/2002								<50	≮0.50	<0.50	₹0.50	₹0.50	K25		
12/30/2002						-		<50	<0.50	<0.50	< 0.50	< 0.50	<2.5		
3/27/2003								<50	<0.50	<0.50	k 050	≰0.50 iii	\$0.50		
9/15/2003								<50	<0.50	<0.50	<0.50	<0.50	< 0.50	 16372127881	
12/04/2003	NP							<50	<0.50	<0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	4.7	12/2
03/10/2004		m	-					<50	<0.50 ₹0,50	<0.50 <0.50	<0.50	<0.50	<0.30 <0.50		 6.9:
06/10/2004 09/22/2004	NP NP	m						<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.6	7.2
12/13/2004	NT 	ııı Mariti ili						450	<0.50	<0.50	<0.50	<0.50	\$0.50	3 76	7.6
03/10/2005	NP	m						<100	< 0.50	<0.50	< 0.50	<4.0	<0.50	7.5	8.0
06/29/2005		o de la companya de													-
09/14/2005		O CONTRACTOR OF THE CONTRACTOR									 endrinativamore				
12/13/2005		o													
03/20/2006		9	_				-	_			_	-	-	-	
6/22/2006		o e													
9/22/2006		0									 :::::::::::::::::::::::::::::::::::		-		
12/7/2006		i je je je													
642 H															
3/13/2002		į	-		_								-	<u> </u>	
6/28/2002								<50	<0.50	≤0.50	<0.50	₹0.50	<2.5		
9/20/2002			# - FE					<50	<0.50	<0.50	<0.50	<0.50	<2.5		
12/30/2002								450	60.50	≤0.50	< 0.50	≼0.50	¥2,5		
3/27/2003	-			-			-	<50	<0.50	<0.50	<0.50	<0.50	<0.50		

				Top of	Bottom of		Water Level			Concentra	tions in (µ _j	g/L)			
Well and			TOC	Screen	Screen	DTW	Elevation	GRO/	T		Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
642 H Cont.															
6/30/2003		j	-											-	-
9/15/2003								<50⊪	111≥0,50	≮ 0.50	₹0 .50	€0.50	<0.50		
12/04/2003	NP					14.75		<50	<0.50	<0.50	< 0.50	<0.50	<0.50	3.2	7.1
06/10/2004		n												7.9	
09/22/2004		0									 Incerprocession				
12/13/2004															
03/10/2005		n Seessa seessa seess		 											
06/29/2005 09/14/2005		n n													
12/13/2005		n O line													
03/20/2006		o o					1666								
6/22/2006						-									
9/22/2006		properties of the contraction of			######################################	—	 ferestmutenenimu	 	 						
12/7/2006															
E-1A															
3/13/2002		n	33.06			21.75	11.31	200	<0.50	<0.50	<0.50	<0.50	310	_	
6/28/2002		B	33.06			1122	21.84	260	<0.50		12	HUTIZA I	150		
9/20/2002		TV TIESCHINGERATURE TERRESIA PROPERTY CONTRACTOR CONTRA	33.06			11.80	21.26	250	1.18	0.52	<0.5	<1.5	218	-	
12/30/2002		a e	33.06			1633	16.73	190	इग्य	\$12	K12	el (2)	190		
3/27/2003		g	33.06			13.63	19.43	96	<0.50	<0.50	< 0.50	<0.50	60		
6/30/2003	P	h in the second	33,06			9.60	23,46	140	<0.50	S0/50	<0.50	≼0.50	37		
9/15/2003	P	g amarananananananananan	33.06			17.80	15.26	83 ≰50	<0.50	<0.50	< 0.50	<0.50	49	_ 	
12/04/2003	NP	g g g	33.06			18.73	14,38		<0.50	<0.50	€0.50	<0.50	19 jiji	48	7.0
03/10/2004	NP NP	g Sousiana de la companya de la compa	34.30			16.78 16.67	17.52 17.63	<100 74	<1.0 <0.50	<1.0 <0.50	<1.0 <0.50	<1.0 <0.50	38 46	4.9 2.0	7.2
06/10/2004 09/22/2004	NP	B P	34.30 34.30			18.46	15.84	<50	<0.50	<0.50	<0.50	<0.50	17		6.7 7.0
12/13/2004	NP NP		34.30 34.30			17.56	15.54	->0 ≮50	K0.50	<0.50 ≤0.50	<0.50	<0.50	15	713	62
03/10/2005	NP		34.30			14,60	19.70	**************************************	<0.50	<0.50	<0.50	<4.0	22	6.6	8.0
06/29/2005	NP		5430			1513	5 17	<50 €	₹0.50	0.91	≰0.50	≤0 <u>.</u> 50	14	6.73	7.3
09/14/2005	NP		34.30	<u> </u>		16.90	17.40	<50	<0.50	<0.50	<0.50	<0.50	13	5.4	6.7

				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	МТВЕ	(mg/L)	pН
E-1A Cont.															
12/13/2005	NP		34.30			18.84	15.46	<50	<0.50	<0.50	<0.50	<0.50	12	8.3	7.1
03/20/2006		h i	34.30			13.55	2075								
6/22/2006	NP	TICLESTICATION PROTECTION	34.30		***	13.82	20.48	<50	<0.50	<0.50	<0.50	<0.50	13	5.2	7.5
9/22/2006	P		34 30			14.22	20.08	<50	<0.50	<0.50	<0.50	₹0.50	[編][2][[]	2.65	77
12/7/2006		J	34.30	-							-	_	-		
MW-1								ļ							
3/15/1996			175.04			14.24	160.80								
MW-5															
3/13/2002			33.99			11.46	22.53	530	<2.5	<2.5	<2.5	<2.5	230		
6/28/2002		b	33.99			11.75	22 24	180	310	2.6	10	12	230		
9/20/2002	-	403462161610101010101010101	33.99			12.15	21.84	<50	<0.50	<0.50	<0.50	<1.50	333		
12/30/2002			33 99			9,73	2426	+50	₹0,5 0	₹0 :50	<0.50	<0.50	-25		
3/27/2003			33.99			11.24	22.75	100	< 0.50	<0.50	<0.50	<0.50	59 58		
6/30/2003			33.99			11162	22/37	91	₹0.50 •2.5	R050	<0.50 <2.5	<0.50 <2.5	61		
9/15/2003			33.99			12.13	21.86	<250 81	<2.5 ≾0.50	<2,5 <0.50	<0.50	<0.50	42		7.07
12/04/2003	P		33.99 35.97			10.34	25,63	<50	<0,50	<0.50	<0.50	<0.50	9.5	1.2	6.6
03/10/2004 06/10/2004	P P		33.97			11.65	2432	55	 <0.50	<0.50	₹0.50	₹0.50 II	31	13	7.0
09/22/2004	P		35.97			12.23	23.74	<50	<0.50	<0.50	<0.50	<0.50	15	0.8	6.8
12/13/2004	P B		35.97			11.16	24.81	\$50	₹0.50	₹0.50	4050	<0.50	54	3.76	6.8
03/10/2005	P		35.97			9.90	26.07	<100	<0.50	<0.50	<0.50	<4.0	3.3	2.6	7.7
06/29/2005	P		35,97			11,35	24.62	₹50	<0.50	<0.50	<0.50	<0.50	6:7	0.93	6.6
09/14/2005	P	, <u>, , , , , , , , , , , , , , , , , , </u>	35.97			11.80	24.17	<50	<0.50	0.91	<0.50	0.68	13	0.8	6.9
12/13/2005			35.97			11.60	2437								
03/20/2006	P	**************************************	35.97			10.04	25.93	<50	<0.50	<0.50	<0.50	<0.50	3.8	0.8	7.1
6/22/2006			35,97			11.03	24.64		-0.50	<0.50	<0.50	<0.50	12	1.12	7.1
9/22/2006	P		35.97			11.57 11.71	24,40 24,26	<50 	<0.50	\ <0.50	<0.50	~0.50			
12/7/2006			35.97				24120								
MW-8									•						

<u></u>				Top of	Bottom of		Water Level			Concentra	tions in (µ;	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-8 Cont.															
371372002			32.79			10.80	22.49	500	25	2.5	2.5	2.5	1,100		
6/28/2002		Ь	32.79			10.30	22.49	150	<0.50	2.9	0.54	1.5	130		
9/20/2002			32,79			10.84	2195	450	<0,50	<0.50	30.50	\$1,50	273)		
12/30/2002		was a second sec	32.79		 	8.31	24.48	<50	<0.50	<0.50	<0.50 <0.50	<0.50 <0.50	5.5		
3/27/2003			32.79			9.85	22.94	63	<0.50	<0.50			33		
6/30/2003			32.79	 		10.20	22.59	<50	<0.50 <0.50	<0.50 <0.50	<0.50	<0.50 <0.50	15 41 -		
9/15/2003			32.79			10.69 10.43	22 I 0 22,36	59 <50	<0.50	<0.50	<0.50	<0.50	24	1.0	7.0
12/04/2003	P		32.79 34.47			9.04	25.30 25.43	30 80	<0.50 ≅(\$0.50	<0.50	\$0.50	<0.50	2. 12.24	0.0	6.8
06/10/2004	P P		34.47			10.40	24.07	₩₩₩₩ <50	<0.50	<0.50	<0.50	<0.50	09844946666666888 2.1	0.6	7.0
09/22/2004	P		34.47			10.74	25.73	84	60:50	華麗的語の開	\$0.50	< 0.50	18	ÖÖ	6.9
12/13/2004	P		34.47			9.73	24.74	<50	< 0.50	<0.50	< 0.50	<0.50	7.1	0.95	6.8
03/10/2005	P		34.47		_	8.17	2630		 ≤050 	<0.50	₹0.50	4.0	14	2.0	7.4
06/29/2005	P		34.47	-		9.93	24.54	<50	<0.50	<0.50	<0.50	<0.50	1.7	1,72	7.0
09/14/2005	P		34,47			10.35	24,12	K50	€0.50	<0.50	<0.50	≤0.50	₹0.50	0.9	70
12/13/2005			34.47			10.18	24.29				 				
03/20/2006	P		34.47			8.65	25.82	450	₹0.50	\$0.50	\$050	<0.50	0.60	1.8	73
6/22/2006			34.47	-	_	9.91	24.56		 <0.50	- - - - - - -	- 	 		- 3:10	7.0
9/22/2006 12/7/2006	P		34,47 34,47			10.25 10.21	24.22 24.26								
MW-9															
3/13/2002			32.00			9.49	22,62	850	≤0.50	S0 50	<0.50	\$0.50	25		
6/28/2002			32.11			9.78	22.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
9/20/2002			32.01			10.29	21.82	250	<0.50	<0.50	\$0.50	\$150	<0.500		
12/30/2002			32.11	-		7.60	24.51	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
3/27/2003			32.11			9.14	22.97	250	<0.50	<0.50	<0.50	<0.50	<050		
6/30/2003		u u	32.11			9.64	22.47	_					-	_ 	
9/15/2003			32,11			10:12	21.99	450	<0.50	<0.50	<0.50	<0.50	<0.50		
12/04/2003	-	u	32.11			 		 :::::::::::::::::::::::::::::::::::			 :::::::::::::::::::::::::::::::::::		 Steriogienegasisti		-
03/10/2004	P		34.00			8.46	25.54	< 5 0	<0.50	₹0.50	<0.50	<0.50	<0.50	1.6	73

· · · · · · · · · · · · · · · · · · ·				Top of	Bottom of		Water Level			Concentra	tions in (µ	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/	1		Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-9 Cont.															
06/10/2004		i i i i i i i i i i i i i i i i i i i	34.00			9.88	24/12								
09/22/2004	P		34.00			10.05	23.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.0
2/13/2004			34.00			9,17	24/83								
03/10/2005	P		34.00	-		8.17	25.83	<100	<0.50	<0.50	<0.50	<4.0	<0.50	2.2	7.7
06/29/2005			34.00			9.28	24,72								
09/14/2005	P		34.00		-	9.70	24.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	6.8
12/18/2005			34.00			9,64	2436								
03/20/2006			34.00		 	8.23	25.77			— ::::::::::::::::::::::::::::::::::::	 ***********************************	— Turkususususus	 FEEESCHINGEN	 I isalusususus	
6/22/2006			34.00			937	24.63		-0.50	<0.50	<0.50	<0,50	<0.50	2.38	7.2
9/22/2006	P		34.00	 		9.74	24.26 24.33	<50	<0.50	(0.30 (1.30)	\0.50		V0.30	2.56	
12/7/2006			34.00			9.67									
MW-10		1								İ					
3/13/2002			31.67			9.68	21.99	680	<5.0	<5.0	<5.0	<5.0	570		
6/28/2002		b	31,67	141		9.84	21:83	820	<2.0	20	20	\$2.0	1,200		
9/20/2002			31.67	-		10.37	21.30	194 850	<0.50	<0.50	<0.50	<1.50 #6050	575 490		
12/30/2002			31.67			7.70	23,97 22,34	530 530	<5.0	<5.0	<5.0	<5.0	330		
3/27/2003			31.67	-		9.33 9.75	22.54	550 \$1,000	0.c>	S10	<.0	 	750		
6/30/2003 9/15/2003	75 HB		31.67			10.17	21,50	<500	<5.0	<5.0	<5.0	<5.0	430		
9/13/2003	Pillin		31.67			ii 9.95	21.72	≤250	2 05	\$25	F2.5	\$25	110		6.9
03/10/2004	P		33.50			8.57	24.93	420	<2.5	<2.5	<2.5	<2.5	140	1.2	6.5
06/10/2004			33.50			9.95	23.55	600	\$5.0	45.0	\$5.0	\$10	410		69
09/22/2004	P		33.50			10.23	23.27	560	<0.50	<0.50	<0.50	<0.50	87	0.8	6.9
12/13/2004	P		33,50			9.28	24.22	290	<1,0	10	≼1.0	<1.0	110	1.6	6.5
03/10/2005	P	ina madensulli i i i i i i i i i i i i i i i i i i	33.50			7.97	25.53	280	<0.50	<0.50	<0.50	<4.0	86	3.2	7.3
06/29/2005	P		33.50			9,45	24:05	250	-2 5i	\$2.5	25	<2.5	160	1113	6.8
09/14/2005	P	i castaste e i	33,50			9.92	23.58	340	<2.5	<2.5	<2.5	<2.5	140	0.7	6.9
12/13/2005	P		33,50			9,73	25.77	270	<0.50	<0.50	80.50	₹0.50 10.50	47	1.8	6.5
03/20/2006	P		33.50			8.17	25.33	270	<0.50	<0.50	<0.50	<0.50	34 21	1.1 1.74	6.9 7.0
6/22/2006	P		33,50			9,42	24.08	250	20.50	<0.50	<0.50	<0.50			

				Top of	Bottom of		Water Level			Concentra	tions in (μ	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-10 Cont.															
9/22/2006	P.		33.50			9.88	23.62	270	≥<0.50	≤0.50	≤ 0.50	<0.50		1 39	7.0
12/7/2006	P	15/00 PER END PER SECURITY FOR A SECURITY FOR EXPENSE OF FREE	33.50			9.78	23.72	360	<0.50	<0.50	<0.50	<0.50	10	0.89	7.10
MW-11															
3/13/2002			32.54			10,38	2216	₹50	≪0.50	₹0.50	<0.50	-0.50	\$2.5		
6/28/2002		I JUNE BANK DITTE STEET STEET STEET STEET STEET	32.54	2227775277798779844444444444	-	10.74	21.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5		
9/20/2002			32.54			11/27	2127	<50	6050	€0.50	0.50	\$1,50	₹0500		
12/30/2002			32.54			8.73 10.25	23.81	<50 据850副	<0.50	<0.50 <0.50	<0.50 <0.50	<0.50	<2.5 ≤0.50		
3/27/2003			32.54			10.65	21.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50		
6/30/2003			32.54 32.54			10.03	21.57	<50	\$0.50	<0.50	\$0.50	-0.50 E0250	<0.50		
12/04/2003	P		32,54	-		10.84	21.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	7.0
03/10/2004	P		[[3455]]	-		9,41	25 [4]	<50	<0.50	50.5 0	< 0.50	<0.50	<0.50	1.3	6.5
06/10/2004			34.55			10.82	23.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50		6.9
09/22/2004	P		34.55			1110	23,45	450	<0.50	< 0.50	20.50	<0.50	<0.50	12	6.9
12/13/2004	P		34.55	-		10.19	24.36	<50 ≪100	<0.50	<0.50	<0.50	<0.50	<0.50 ##\$0.50##	1.83 2.3	6.6
03/10/2005	P P		34.55 34.55	-		8:87 10.37	25.68 24.18	<50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50	<0.50	0.83	7.7 6.3
06/29/2005 09/14/2005	P Partie		34.55			10.57	24.10 	50 	**S050		40.50 ii	E0.50	€0.50	0.8	6.9
12/13/2005			34.55			10.62	23.93				-		12275220134874667464357256		
03/20/2006			34,55			9,04	25151								
6/22/2006		A HAMILON ESSENTIAL PROPERTY (PROPERTY)	34.55	_		10.33	24.22		-						
9/22/2006	is ii P		34.55			10,75	23.80	\$50	¥0,50	\$0.50	\$0.50	<0.50	<0.50	1.53	72
12/7/2006	<u> </u>		34.55	-	-	10.68	23.87		-	-		-	-	-	
MW-14														er Kamprako distai skis	
3/13/2002			30.46			8.56	21,90	# K50	5050	\$0.50	<0.50	\$0.50	\$25		
6/28/2002	_	q	30.46	-		9.12	21.34		-					 	 I #011111011
9/20/2002		9	30.46			9,79	20.67 23.33								
12/30/2002		q Tananan	30.46			7.13 8.53	23.33 21.93	 	 <0.50	0.86	 20.50	- 20.50	 ≼0.50		
3/27/2003			30.46												

Well and Sample Date P/NI MW-14 Cont.	NP	Comments	TOC (feet msl)	Top of Screen	Screen										
MW-14 Cent.	NP	Comments	(foot ms))		Bereen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
			(icci mai)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzenc	Xylenes	MTBE	(mg/L)	pН
	I														•
6/30/2003		g g	30.46			9,05	21(4)								
9/15/2003	-	q	30.46			9.47	20.99						 	 Terrena	
12/04/2003		g	30.46			9:20	21/26								
03/10/2004	-	q Heriografia and a construction of the construction of the construction of the construction of the construction	32.61			7.90 925 #	24.71 23.36		 	- H.H.G.	-	- 			
06/10/2004 = == 09/22/2004 P		ģ	32.61 32.61			9.55	23.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	
12/13/2004			32.61			8.46	24:15		-						
03/10/2005	-		32.61		 	7.32	25.29			-					
06/29/2005			32.61			8.77	23.84								
09/14/2005 P	Р		·32.61		 	9.20	23.41	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	6.9
FRITZIANIA			32.61			8.96 7.51	23.65 25.10								
03/20/2006 6/22/2006	 Hulled W		32.61 32.61			7.51 8.75	23.10								
9/22/2006 P			32.61			9.19	23.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.70	7.2
12/7/2006			32.61			9.05	23.56								
MW-15															
3/13/2002			31.41			10.03	21.38	<50	<0.50	<0.50	<0.50	<0.50	21	-	
6/28/2002			3141			10.41	21,00	5 50	3050	\$0.50	50.50	\$0.50	87		
9/20/2002			31.41		-	11.00	20.41	<50	<0.50	<0.50	<0.50	<1.50	21.6		
THE PROPERTY OF THE PARTY OF TH			31,41			9.83	23.08 21.58	<50 <50	<0.50 <0.50	<0.50	<0.50 <0.50	<0.50 <0.50	67		
3/27/2003 — 6/30/2003	1		31.41 31.41			10.00	21.30	850	<0.50	\$0.50	\$0.50	\$0.50	ija již		
9/15/2003			31.41	-		10.67	20.74	<50	< 0.50	<0.50	<0.50	<0.50	10		
	P		314			10.47	20.94	 250	₹0.50	3030	\$0.50	<0.50	64	26	7.0
03/10/2004 P	P	anni zenessenananana	33.49	-		9.09	24.40	<50	<0.50	<0.50	< 0.50	< 0.50	11	1.5	6.9
06/10/2004 P	P		33.49			10.50	22.99	<50	<0.50	<0.50	₹0.50	4050	5.7	0.5	6.9
09/22/2004	- 1	r	33.49	 	 			 10002000		 	 			-	
\$543014436755-115144-11514-1151412-1151412-115-115-115-115-115-115-115-115-115-1			33.49 33.49			8.50	24.99	<100	<0.50	<0.50	<0.50	<4.0	5.4	2.7	7.7
03/10/2005 P 06/29/2005	P Walio		33.49												

				Top of	Bottom of		Water Level			Concentra	tions in (µ)	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msi)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pH
MW-15 Cont.														**********	
09/14/2005		ing in the real section of	33,49												
12/13/2005		was common and the second seco	33,49			10.16	23.33				 		—	 Furguerra	
03/20/2006	P		33.49			8.72	24.77	₹50	<0.50	₹0.50	0.50	<0.50	is	3.1	
6/22/2006			33.49	-		10.00	23.49		 	- -					
9/22/2006 12/7/2006			33.49			10.32	23.17								
	-		33.49			10.52	25.17								
MW-16		***************************************					uchanien in belieb		<0.50		<0.50	<0.50		listomatic	
3/13/2002			31.39			10.51	20.88	₹50 <50	≤0,50 <0,50	<0.50 <0.50	<0.50	<0.50	<2.5		
6/28/2002 9/20/2002			31.39 31.39			10.90	20.43	-30 -30	<0.50	<0.50 80.50	\$0.50	<150	1.67		
12/30/2002			31.39								 	-			
3/27/2003			31.39			10.28	21111	<50	<0.50	<0.50	<0.50	<0.50	<0.50		
6/30/2003		i, q	31.39			10.87	20.52	_			-		-		
9/ 5/2003			3139			11,25	2014	550	2050	₹0.50	<0.50	<0.50	<0.50		
12/04/2003		u	31.39			10.99	20.40		 		 39588872448	 <0.50	- - - - - -	2:1	
03/10/2004	P		33,41			9.66 11.06	23:75 22,35	₹50		 	\$0.50 	5020 	SV2V		6.5
06/10/2004 09/22/2004	 IIII Pillipi		33.41 33.41			11.00	22.55	550	E 50.50	<0.50 k	20.50	s0.50	\$0 150	112	7.0
12/13/2004			33.41			10.27	23.14	-			—		-		
03/10/2005	BIE P		33.41			9.03	2438	<100	<0.50	\$0.50	< 0.50	4.0	\$0.50	9.9	70
06/29/2005		Manifestal and American Street	33.41			10.60	22.81								
09/14/2005	P		334			11.02	2239	5 0	<0.50	<0,50	<0.50	<0,50	<0.50	9.0	7.0
12/13/2005			33.41			10.79 9.25	22.62 24.16					— ————————————————————————————————————	 	_ 	-
03/20/2006			33.41 33.41												
6/22/2006 9/22/2006	 P	r Programme	33.41			10195	22,46	250	2050	<0.50	30.50	2050 <u>.</u>	\$0.50	1.69	7.3
12/7/2006		r	33.41						-			 	-		
MW-18															
D. Andrews of the State of the			70 70			9.46	20 24	250	<0.50	<0.50	- - - - - - -	20.50	 		
3/13/2002															

		·		Station #6	90, 1/001 He	pherian Dr	ulevaru, San	LOI CHLO,							
				Top of	Bottom of		Water Level			Concentrat				DO	l
Well and	ļ		TOC	Screen	Screen	DTW (feet bgs)	Elevation	GRO/ TPHg	Benzene	Toluenc	Ethyl- Benzene	Total Xylenes	МТВЕ	(mg/L)	рH
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(reer ogs)	(feet msl)	11 11g	Denzene	Totalene	254.11.21.2				
MW-18 Cont.											ज्ञास्त्राक्ष्मम्				
6/28/2002		g	29.70			10.05	19.65								
9/20/2002		q	29.70			10.67	19.03	-	-						
12/30/2002		9 9	29 70			7.98	2),72	<50	<0.50	<0.50	<0.50	<0.50	<0.50		
3/27/2003			29.70			9.18 9.68	20.52 20.02	- 50 - 20							
6/30/2003		9	29.70			10.30	19.40								
9/15/2003		q	29.70 29.70			9,99	19.71								
12/04/2003 03/10/2004		q	31.87			8.78	23.09	 							
03/10/2004		9 9	31.87			10.12	2175								
09/22/2004	P		31.87			10.45	21.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
12/13/2004			51.87			9,25	22.62								
03/10/2005		With the state of	31.87			8.35	23.52		 (1)	— 	_		 		
06/29/2005			31,87			9,65	22.22		<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9
09/14/2005	P		31.87	-	 emeramentalisa	10.10	21.77	<50	00 		, , , , , , , , , , , , , , , , , , ,				
12/13/2005			31.87			8.54	23.33						-		
03/20/2006			31.87 31.87			9.68	22 19								
6/22/2006 9/22/2006	P		31.87			9.96	21.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.23	7.2
9/22/2006			31,87												
MW-21			ani nagarata antaran na		111111111111111111111111111111111111111										ļ
			28.72	_	_	9.40	19.32	<50	<0.50	<0.50	<0.50	<0.50	<5.0		
3/13/2002 6/28/2002			28.72			9.80	18.92								
9/20/2002		q q	28.72		-	10.27	18.45	-	-				-	_	
12/30/2002		á jak	28.72			7,70	21.02								
3/27/2003			28.72	-	-	9.05	19.67	<50	< 0.50	< 0.50	<0.50	<0.50	<0.50		
6/30/2003		\mathbf{q}	28.72			9,48	19.24								
9/15/2003		g	28.72		-	10.06	18.66	 E 2010							
12/04/2003		9	28.72			9,69	19.03								
03/10/2004		q	30.67			8.60 9.85	22.07 20.82								
06/10/2004		je je je	30.67											<u> </u>	221000000000000000000000000000000000000

					Bottom of		Water Level		(Concentrat	ions in (u	g/L)			
			тос	Top of Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Well and Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	MTBE	(mg/L)	pН
MW-21 Cont.															
			30.67			BIO 17	2050	₹50	≣ ≮0.50⊞	#s0.50#	60.50	<0.50	<0.50	2.2	69
09/22/2004	P		30.67			8.92	21.75		 		——————————————————————————————————————	-			
12/13/2004 03/10/2005			30.67			810	22.57								
06/29/2005			30.67			9.48	21.19					-			
09/14/2005			30,67			9.88	20.79	45 0	₹0.50	<0.50	<0.50	<0.50	<0.50	0.8	69
12/13/2005			30.67			9.57	21.10						***************************************		
03/20/2006			30.67			8.26	22.41								
6/22/2006			30.67			9.47	21.20			_	 manasanas				_
9/22/2006	P		30.67			9.83	20,84	< 50	\$050	₹0,50	<0.50	-0.50	₹ 0.50	1.88	5.9
12/7/2006			30.67			9.76	20.91				-		-	 -	-
MW-22															
3/13/2002			29.29			9.86	19,45	₹50	<0.50	<0.50	50.50	<0.50	<2.5		
6/28/2002			29.29			10.65	18.64	<50	<0.50	<0.50	< 0.50	<0.50	<2.5		
9/20/2002			29.29			11.05	18/24	50	₹050	\$0.50	<0.50	S 50	₹0.500		
12/30/2002			29.29			8.28	21.01	<50	<0.50	<0.50	<0.50	<0.50 <0.50	<2.5 <0.50		
3/27/2003			20 20			9.85	19.44	350	≥0.50 	≥0.50	<0.50				
6/30/2003		i, q	29.29	 		10.20	19.09 18.48	 ≤500	 		š5.0	\$5.0	55.0		
9/15/2003			29 29 20 20			10.49	18.80								
12/04/2003	— POSERIO ZIGINO		29.29			9.24	22.19	₹50	<0.50	<0.50	co 50	40.50	\$050	23	6.6
03/10/2004	P		31.43 31.43			10.60	20.83								
06/10/2004 09/22/2004			81143			10.94	20.49	<50	<0.50	2050	3050	\$0.50	30.50	0.9	7.0
12/13/2004			31.43			9.73	21.70								
03/10/2005	P. P.		31.43			8.65	22.78	 <100	 <0.50	<0.50	<0.50	<4.0	<0.50	33	
06/29/2005			31.43	-		10.25	21.18	_				-			 menusus
09/14/2005	P		31,43			10.65	20.78	450	<0.50	\$050	\$0.50	₹0.50	₹050	10	7.0
12/13/2005			31.43			10.39	21.04		 	-	-			 BINNER	
03/20/2006			31,43			8.89	22.54								
6/22/2006		20) H Krassad (1222) (200000000000000000000000000000000	31.43			10.21	21.22	— 11 12 12 12 12 12 12 12 12 12 12 12 12 1		- 		 = 0.50	 <0.50	- 10 102 103	
9/22/2006	P		31,43			10.62	20.81	₹50	<0.50	₹0.50	<0.50				

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

				Top of	Bottom of	Water Level			Concentra	tions in (µ	g/L)				
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(feet bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	МТВЕ	(mg/L)	pН
MW-22 Cont.				_											
12/7/2006			31.43			10.44	20.99								
MW-23	7,11,11,111,111,111,111,111,111,111,111	1997									<u> </u>				
3/13/2002			30.99			11.01	19.98	<50	<0.50	<0.50	<0.50	<0.50	<2,5		
6/28/2002		q	\$0,99			11.59	19.40								
9/20/2002		q	30.99			12.00	18.99	 !###################################				— 	 11415-1-1151		
12/30/2002		ġ,	30.99			9,42	21.57 19.99	<50	<0.50	<0.50	<0.50	<0.50	<0.50		
3/27/2003		U-1000 CHORUS HIS SUBSTITUTE SEE	30.99 30.99			11.00	19.99		-V.30		-0.50				
6/30/2003 9/15/2003		q	30.99			11.84	19.15			-			_	-	
9/13/2003			30.99			11.61	19.38								
03/10/2004	- -	entra de la companya br>La companya de la companya de	33.16			10.24	22.92								
06/10/2004		q	33.16			11.60	2156			-0.50	-0.50	-0.50	<0.50	1.2	6.9
09/22/2004	P		33.16			11.95 10.88	21.21 22.28	<50	<0.50	<0.50	<0.50	<0.50			
12/13/2004			33.16 33.16			9.63	23.53								
03/10/2005 06/29/2005	-		33.16			1 11 28	21.88								
09/14/2005	P		33.16	-	-	11.70	21.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	6.9
12/13/2005			33.16			11:44	21.72								
03/20/2006		THE SECTION ASSESSMENT OF THE SECTION ASSESS	33.16		-	9.81	23.35			-				-	
6/22/2006			33 16			11.25	21,91 21,64	<50	<0.50	<0.50	<0.50	<0.50	<0.50	周回短照照 1.71	7.3
9/22/2006	P		33.16 33.16			11.50	21.66								
12/7/2006			100111111111111111111111111111111111111			# [14] <u>Paretessean</u>	antinanamikanamin	1912(1914)	in dissertance	3191625255551555151515					
MW-25				1		10.99	22.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	_	
3/13/2002			33.81 33.81			10.99	22.55	-50 -50	20.50	₹0.50	<0.50	≤0.50	36		
6/28/2002 9/20/2002			33.81	-	-	11.65	22.16	117	< 0.50	<0.50	<0.50	<1.50	259		
9/20/2002		l a fille	33.81			9.33	24,48	95	113	₹0.50	\$0.50	\$0.50	98		
3/27/2003			33.81			10.82	22.99	150	<0.50	< 0.50	<0.50	<0.50	90	 PE 30011080	
6/30/2003			33.81			1120	22.61	< 500	5.0	≤5.0	<5.0	<5.0	130		

				Top of	Bottom of		Water Level			Concentra	tions in (μ _ξ	g/L)			
Well and			тос	Screen	Screen	DTW	Elevation	GRO/			Ethyl-	Total		DO	
Sample Date	P/NP	Comments	(feet msl)	(ft bgs)	(ft bgs)	(fect bgs)	(feet msl)	TPHg	Benzene	Toluene	Benzene	Xylenes	МТВЕ	(mg/L)	pН
MW-25 Cont.															
9715/2008			33.81			111.62	22,19	220	學 10 师	<1.0	 ≲1.0 -	≤1.0	140		
12/04/2003	P		33.81			11.41	22.40	81	<0.50	<0.50	<0.50	<0.50	36	1.2	7.0
03/10/2004	P		36 33			10,04	26/29	<50	€0.50	€0.50	\$0.50	<0.50	14		67
06/10/2004	P		36.33		_	11.40	24.93	<50	< 0.50	<0.50	<0.50	<0.50	17 1551 155 155 155 155 155 155 155 155 15	0.8	7.1
09/22/2004	P		36:33			開出74前	2459	<50	<0.50	<0.50	<0.50	<0.50 <0.50	29 44	1.22	7.0 6.9
12/13/2004	P		36.33		 	10.72	25.61	<50	<0.50 80.50	<0.50 <0.50	<0.50	<0.50 <4.0	44 24 74	1.22	77
03/10/2005	P		3633			9.45 10.91	2688 25.42	<100 <50	<0.50	<0.50	<0.50	<0.50	20	開節節間 0.97	6.9
06/29/2005	P P		36.33 36.33			10.51	23.42	-50 -50	\$0.50	\$0.50	# 0.50	# 0.50 E	8.0	12	6.9
09/14/2005 12/13/2005	P		36.33			11.14	25.19		<0.50	<0.50	<0.50	<0.50	13	0.8	6.8
03/20/2006	P.		36.33			9.71	26.62	##¥50#	# ₹050	<0,50	€0.50	F0.50	5,4	10	69
6/22/2006	P		36.33	-		10.89	25.44	<50	<0.50	<0.50	<0.50	<0.50	3.5	1.62	7.0
9/22/2006	P		3633			11133	25.00	450	<0.50	< 0.50	<0.50	<0.50	18	122	71
12/7/2006	P		36.33	-	-	11.22	25.11	<50	<0.50	<0.50	<0.50	<0.50	14	0.71	7.20
MW-26				-											
3/13/2002			33 71			Ti 27	22 44	450	<0.50	<0.50	€0.50	<0.50	2.5		
6/28/2002		d	33.71	-		11.70	22.01						-	-	
9/20/2002		q	33.71			12:10	71.6								
12/30/2002		q	33.71			9.60	24.11	-	 Paistaneasi	 	- 	- - 0.50	_ 		
3/27/2003			38.71			1101511	22.56 22.10	- ≪50	€0,50						
6/30/2003		q anner und anner que particular que particular que particular que particular que particular que particular que	33.71		_ 	11.61	22.10								
9/15/2003			33.71 33.71			11.78	21.93								
12/04/2003 03/10/2004		q q	35.70			10.45	2525								
06/10/2004		q q	35.70		-	11.82	23.88								
09/22/2004	P. P.	l sami and i	35.70			12.05	23.65	1 50	₹0.50	3050	<0.50	20.50	<0.50	11	7.0
12/13/2004	######################################		35.70		-	11.08	24.62							 or assatesors	
03/10/2005			35.70			9.80	25.90								
06/29/2005		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35.70			11.30	24.40	-		 	 	 	 		68
09/14/2005	P		35.70			11.55	24,15	450	<0.50	ייטפּטאיין ייי	i subu	₹0.50	7430		

				Top of	Bottom of		Water Level			Concentra	tions in (µ)	g/L)			
Well and Sample Date	P/NP	Comments	TOC (feet msl)	Screen (ft bgs)	Screen (ft bgs)	DTW (feet bgs)	Elevation (feet msl)	GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	мтве	DO (mg/L)	pН
MW-26 Cont.															
12/13/2005			35:70			11.54	24.16								
03/20/2006		THE PARTY OF THE P	35.70			10.06	25.64	-		-			-		
6/22/2006			35/70			11.29	24,41								
9/22/2006	P	<u> </u>	35.70			11.63	24.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.10	7.2
12/7/2006			35.70			11.11	24.59								

SYMBOLS & ABBREVIATIONS:

- -- = Not analyzed/applicable/measured/available
- <= Not detected at or above laboratory reporting limit

DO = Dissolved oxygen

DTW = Depth to water in ft bgs

ft bgs = feet below ground surface

ft MSL = feet above mean sea level

GRO = Gasoline range organics, range C4-C12

GWE = Groundwater elevation measured in ft MSL

mg/L = Milligrams per liter

MTBE = Methyl tert butyl ether

NP = Well not purged prior to sampling

P = Well purged prior to sampling

TOC = Top of casing measured in ft MSL

TPH-g = Total petroleum hydrocarbons as gasoline

μg/L = Micrograms per liter

NOTES:

- a = Well elevation data obtained from Quarterly Groundwater Monitoring and Site Status Report, Fourth Quarter 1994.
- b = GRO/TPH-g Chromatogram Pattern: Unidentified Hydrocarbons C6-C10
- c = Hydrocarbon pattern for GRO/TPH-g is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- d = GRO/TPH-g Chromatogram Pattern: C6-C10
- e = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
- f = The continuing calibration was outside the acceptance criteria. This should be considered in evaluating the result for its intended purpose.
- g = Groundwater extraction system pumping; inaccurate DTW.
- h = Groundwater extraction system not pumping.
- i = Sampling frequency changed from quarterly to annually per recommendations in first quarter 2003 groundwater monitoring report,
- j = Well not accessible this quarter.
- k = Well destroyed.
- 1 = MTBE confirmed by EPA Method 8260B (Method 8260B result is the second value.)
- m = No gauging port. Sample taken from spigot.
- n = Well inaccessible as homeowner not available.
- o = Pump not working or well dry.
- p = Gauged with pump in well. Opened cam lock fitting at wellhead.
- q = Well sampled annually.
- r = Well inaccessible--car parked over well.
- u = Well sampled semi-annually.

NOTES:

Site surveyed to NAVD'88 datum on March 2, 2004.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported. Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12 Values for DO and pH were obtained through field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Well and				Concentrati	ons in (μg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
17372 VM									
3/27/2003	₹100	₹20	<0,50	<0.50	<050	<0.50			
9/15/2003	<100	<20	<0.50	< 0.50	< 0.50	< 0.50	<0.50	< 0.50	#EGHESTSATUGHRADAFOGARARAGHANDAHAN DIRIKKUKASTATURUKADINGHANDISHAHAGERINGEN #EGHESTSATUGHRADAFOGARARAGHANDAHAN DIRIKKUKASTATURUKADINGHANDAHANGERUKEN
12/04/2003	≟∷<100∷	<20	<0.50	<0.50	<0.50	<0.50≘			
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2716277442874197419741974197
06/10/2004	K100	≈20	<0.50	<0.50	< 0.50	₹0.50	<0.50	\$0.50	
09/22/2004	<100	<20	<0.50	<0.50	< 0.50	<0.50	<0.50	<0.50	
12/13/2004 03/10/2005	<100 <100	<20 <10	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	5050	
	100	~10	\0.30	00	V0.30	VC.U>	\U.30	<0.50	
642 H	COPPER COPPER AND ADDRESS OF THE ADD	· A 78-1 4 7-4 2-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1	41.50.04.51.51.51.51.51.51.51.51.51.51.51.51.51.						
3/13/2002	≤100	<20		iii<0.50	<0.50	<0.50			
3/27/2003	<100	<20	<0.50	<0.50	< 0.50	<0.50	_ 	-	
6/30/2003 9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	-100 ≤100	<20	<0.50 	<0.50 <0.50	<0.50 <0.50	<0.50 60.50	00 <i>></i>		
E-1A									
	*****			.0.*0	-0.50				
3/27/2003 6/30/2003	<100 <100	<20 <20	60 3 7	<0.50 <0.50	<0.50	2.3 1.6	 ≪0.50		
9/15/2003	<100	<20	49	<0.50	<0.50	2.4	<0.50	<0.50	
12/04/2003	 	<20	19	50,50		0.89			
03/10/2004	<200	<40	38	<1.0	<1.0	2.3	<1.0	<1.0	
06/10/2004	 	<20	46	<0.50	<0.50	2.2	<0.50	<0.50	
09/22/2004	<100	<20	17	<0.50	<0.50	0.98	<0.50	<0.50	**************************************
12/13/2004	<100	<20	15	<0.50	<0.50	0.75	<0.50	<0.50	
03/10/2005	<100	<10	22 	<0.50	<0.50	0.95	<0.50	<0.50	
06/29/2005	<100	₹20 -70	17	<0.50	<0.50	0.74	<0.50 -0.50	₹0.50	
09/14/2005 12/13/2005	<100 <100	<20 ≰20	13 12	<0.50 <0.50	<0.50 <0.50	<0.50 0.61	<0.50 40.50	<0.50 ≺0.50	
6/22/2006	<300	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	-300 		12	<0.50	<0.50	<0.50	<0.50 40.50		
MW-5	gesuttantālētitiāli	namuu alluudii				uruden Säiliki			menenariorendiannisusianisusianisusianisusianisusianisusiasianisusianisusianisusiasiasiasiasiasiasiasiasiasia -
171 77 -5									

Well and				Concentration	ns in (μg/L)				
Sample Date	Ethanol	TBA	МТВЕ	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-5 Cont.									
3/27/2003	<100	24	59	<0.50	\$0.50	25			
6/30/2003	<100	22	58	<0.50	<0.50	2.1	<0,50	<0.50	ALEGERIA BERTARIA BER I
9/15/2003	₹500	<100	61	2 5	225	25			
12/04/2003	<100	<20	42	<0.50	< 0.50	1.9			жаны жаны калымын кылымын онын кылымын кылымын калымын калымын калымын калымын калымын калымын калымын калымын Жаны жаны калымын кылымын калымын калы
03/10/2004	4100	<20	9.5	< 0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	31	<0.50	<0.50	1.0	<0.50	<0.50	
09/22/2004	<100 °	= 20	15	₹0.50	<0.50	<0.50	<0.50	<0,50	
12/13/2004	<100	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	S100	sio	3.3	<0.50	<0.50	≪050	= <0.50	<0.50	in a contract the contract of
06/29/2005	<100	<20	6.7	< 0.50	< 0.50	<0.50	<0.50	<0.50	Entermediation designations and independent of the property of
09/14/2005	<100 sil	2 0		<0.50	\$0 .50	≤0.50	<0.50	\$0.50	
03/20/2006	<300	<20	3.8	< 0.50	<0.50	<0.50	<0.50	< 0.50	
9/22/2006	300	<20	12	<0.50	 ≤0.50	 <050	<0.50	<0.50	
MW-8									
3/27/2003	<100	<20	33	<0.50	<0.50	0.53			
6/30/2003	<100	≤20	15	₹0.50	<0.50	0.85	<0.50	<0.50	
9/15/2003	<100	<20	41	<0.50	<0.50	5.3	_		947479(1874) / T474 (1883) (1874) (1874) (1874) (1874) (1874) (1874) (1874) (1874) (1874) (1874) (1874) (1874)
12/04/2003	₹100	20	24	₹0.50	₹0.50	3.7			
03/10/2004	<100	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
06/10/2004	<100	<20	2.1	4050	\$0.5 0	<050	<0.50	< 0.50	
09/22/2004	<100	<20	18	<0.50	<0.50	1.5	<0.50	<0.50	
12/13/2004	<100	<20		<0.50	₹0.50	0.78	<0.50	70.50	
03/10/2005	<100	<10 <20	1.4 1.7	<0.50 <0.50	<0.50	<0.50 <0.50	<0.50	<0.50 <0.50	
06/29/2005 09/14/2005	<100 <100	<20 <20	<0.50	<0.50 <0.50	<0.50 <0.50	<0.50	<0.50 <0.50	<0.50	
03/20/2006	2100 300	~20 ### 20	0.60		<0.50 80.50	<0.50	<0.50 80.50	<0.50 ■ 80.50	c
9/22/2006	<300	<20 <20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	200			.0120	-0.00			1	
MW-9	DATE OF THE PROPERTY OF THE PR		erranda edina antiga est la como esta esta esta esta esta esta esta esta	ATTAINETENERATERISTENEN (ATTAINETENEN ATTAINETENEN ATTAINETENEN ATTAINETENEN ATTAINETENEN ATTAINETENEN ATTAINET	STANCH STANCT LOCAL DOCTORS			*************************	######################################
3/27/2003	<100	₹20	<0.50	<0.50	<0.50	<0.50			
9/15/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Well and				Concentration	ons in (μg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-9 Cont.									
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100			<0.50	<0.50		\$050	\$0.50	
03/10/2005	<100	**************************************	<0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	<u> </u>
09/14/2005	<100	# 20 H	<0.50	<0.50	<0.50	≤0.50	<0.50	\$0,50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
MW-10									
3/27/2003	1,000	11115200	330	≟≼5. 0 ≡	₩# : ₹5.0	15			
6/30/2003	<2,000	<400	750	<10	<10	28	<10	<10	and the state of t
9/15/2003	<1,000	200	430	iii.≼5.0	₹5.0	15	<5,0	\$5,0	
12/04/2003	<500	<100	110	<2.5	<2.5	4.8	_	-	
03/10/2004	<500 -	120	140	₹2.5	\$2.5	2.5	≤2 .5	\$2.5	
06/10/2004	<1,000	<200	410	<5.0	<5.0	11	<5.0	<5.0	
09/22/2004	₹100	54	87	₹0.50	<0.50	38	<0.50	<0.50	
12/13/2004	<200	220 	110 	<1.0 <0.50	<1.0 \$0.50	4.5 2.2	<1.0 ≼0.50	<1.0 <0.50	
03/10/2005 06/29/2005	<100 <500	50 110	86 160	<2.5	2.5	4.6	<2.5	<2.5	
09/14/2005	<500	300	100	125 E			225	1225	
12/13/2005	<100	190	<u>47</u>	<0.50	<0.50	1.9	<0.50	<0.50	Allastolaria barakiska mataru kuta kuta kuta kuta kuta kuta kuta kut
03/20/2006	 	72	34	€0.50	<0.50	0.85	<0.50	\$0.50	
6/22/2006	<300	130	21 ·	<0.50	<0.50	0.56	<0.50	<0.50	тимистикания принципальной принципальной принципальной принципальной принципальной принципальной принципальной С
9/22/2006	300	51	11	<0.50	<0.50	<0.50	₹0.50	<0.50	
12/7/2006	<300	24	10	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-11									
3/27/2003	<100 L	₹20	ii≷0.50	₹0:50	<0.50	<0,50			
6/30/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	THE PROPERTY OF THE PROPERTY O
9/15/2003	iiii≪100	₹20	<0.50	₹0.50	\$ 0.50	<0.50	₹0.50	\$0.50	
12/04/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	_	-	
03/10/2004	<100	₹20	≰0,50	≤0.50	· <0.50	≰0.50	<0.50	<0.50	
06/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	HORIBUGTONIII) OO GARAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
09/22/2004	<100	₹20	<0,50	40.50	<0.50	<0.50	≼0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data

Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Well and				Concentrati	ons in (μg/L)				
Sample Date	Ethanol	TBA	MTBE	DIPE	ЕТВЕ	TAME	1,2-DCA	EDB	Comments
MW-11 Cont.									
12/13/2004	<100	- - - - - - - - - -	 	20:50	¥0.50	<0.50	2050	<0.50	
03/10/2005	<100	<10	<0.50	< 0.50	< 0.50	<0.50	< 0.50	< 0.50	жини картина и под при на при
06/29/2005	₹100	₹20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	C
9/22/2006	300	₹20	<0.50	 <0.50	<0.50	<0.50	₹0.50	<0.50	
MW-14						İ			
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	_		
03/10/2004									Not Sampled.
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	COLOR TO THE PROPERTY OF THE P
09/14/2005	₹100	420	\$0.50	2050	₹0.50	≰0,50	<0.50	40.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-15									
3/27/2003	\$100 l	₹20	17	<0.50	<0.50	<0.50			
6/30/2003	<100	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	A CONTROL OF THE PROPERTY OF T
9/15/2003	<u>₹100</u>	<20	10	€0.50	<0.50	<0.50	<0.50	<0.50	
12/04/2003	<100	<20	6.4	<0.50	<0.50	<0.50	-		
03/10/2004 06/10/2004	<100 <100	<20 <20	5.7	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	
03/10/2004	<100	-20 -410	5.7 5.4	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50	<0.50 \$0.50	K.
03/20/2006	<300		15	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-16									
3/27/2003	≤100	<20	<0.50	 					
9/15/2003	<100 <100	<20 <20	<0.50	<0.50	<0.50 <0.50	<0.50 <0.50	<0.50	<0.50	
03/10/2004	<100	~20 ≈20	<0.50	<0.50	<0.50	<0.50 <0.50	<0.50	<0.50 <0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	<100	\$10E	₹0.50	<0.50	₹0.50	s0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	< 0.50	<0.50	< 0.50	<0.50	nranatanna anusmana babara babara babara babara anus kan nganana asa babara babara babara babara babara babara Kanatanna anusmana babara b
9/22/2006	300	-20 1	20:50	<0.50	₹0.50	<0.50=	≮0.50	<0.50	
MW-18									
			1	I					

Well and				Concentration	ons in (μg/L)				
Sample Date	Ethanol	TBA	МТВЕ	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-18 Cont.							·		
3/27/2003	≤100	<20	<0.50	\$0.50	< 0/50	<0.50			
03/10/2004			_				-		Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	₹050	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0,50	₹0,50	<0,50	₹0.50	
MW-21									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50		-	
03/10/2004									Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/14/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	₹0,50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-22					ļ !				
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50			
9/15/2003	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
03/10/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/10/2005	## <100 ##	10	<0.50	<0,50	<0.50	<0.50	<0.50	₹0.50	banana a
09/14/2005	<100	<20	< 0.50	<0.50	< 0.50	<0.50	<0.50	<0.50	
9/22/2006	₹300	÷20	<0.50	. ≮0,50	F0.50	₹0,50	<0.50	\$0.50	
MW-23									
3/27/2003	<100	<20	<0.50	<0.50	< 0.50	<0.50		—	
03/10/2004									Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	<0.50	< 0.50	<0.50	<0.50	
09/14/2005	₹100 □	<20	<0.50	≠0.50	≼0.50	≤0.50	<0.50	₹ 0.50	
9/22/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-25					1			and the same of th	
3/27/2003	<100	-20	90	<0.50	<0.50	40			
6/30/2003	<1,000	<200	130	<5.0	<5.0	81	<5.0	<5.0	
9/15/2003	<200	₹40	140	≤1.0	l kio	74	410	≤1.0	

				Diation 1	.000, 17001	mesperian i	Jouic var u, b	an Dorenzo	, CA
Well and				Concentrati	ons in (µg/L)				
Sample Date	Ethanol	ТВА	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	Comments
MW-25 Cont.	- Name of the Control								
12/04/2003	\$100	₹20	F136	4 050	<0.50	17			
03/10/2004	<100	<20	14	<0.50	<0.50	6.5	<0.50	<0.50	
06/10/2004	## ₹ 100	20	17	<0.50	<0.50	7,2	<0.50	<0.50	
09/22/2004	<100	<20	29	<0.50	<0.50	18	< 0.50	< 0.50	
12/13/2004	₹100	45	44	≈<0.50m	<0.50	18	K050	<0.50	
03/10/2005	<100	<10	7.4	<0.50	<0.50	2.3	<0.50	< 0.50	рислостенности при на
06/29/2005	≤100	20	20	#<0.50	50.50	12	\$0.50	\$0.50	
09/14/2005	<100	<20	8.0	<0.50	<0.50	4.1	< 0.50	<0.50	
12/13/2005	\$100	- 20 · ·	13	£0.50	<0.50	55	<0.50	\$0.50	
03/20/2006	<300	<20	5.4	<0.50	<0.50	2.4	<0.50	< 0.50	
6/22/2006	₹300	\$20	55.	\$0.50	₹0,50	17.5	<0.50	₹0.50	
9/22/2006	<300	<20	18	<0.50	<0.50	7.3	<0.50	<0.50	
12/7/2006	₹300	<20	14	<0.50	<0.50	6.1	<0.50	<0.50	
MW-26									
3/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50			
03/10/2004									Not Sampled
09/22/2004	<100	<20	<0.50	<0.50	< 0.50	<0.50	<0.50	< 0.50	
09/14/2005	<100	-20	<0.50	<0.50	₹0.50	<0.50	<0.50	\$0.50	
9/22/2006	<300	**************************************	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS & ABBREVIATIONS:

- = Not analyzed/applicable/measured/available
- < = Not detected at or above the laboratory reporting limit.
- 1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

μg/L = Micrograms per Liter

FOOTNOTES:

- a = Well was not accessible this quarter.
- b = Possible high bias due to CCV falling outside acceptance criteria for TBA.
- c = Calibration verification was within method limits but outside the contract limits for ethanol.

NOTES:

Well E-1A was previously named MW-12.

All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 3. Historical Ground-Water Flow Direction and Gradient Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/28/2002	West	0.003
9/20/2002	West	0.00196
12/30/2002	West	0,003
3/27/2003	West	0.002
6/30/2003	West-Southwest	0.001
9/15/2003	West	0,003
12/4/2003	West-Southwest	0,003
3/10/2004	West	0.003
6/10/2004	West	0.006
9/22/2004	West	0.006
12/13/2004	West-Southwest	0.003
3/10/2005	West-Southwest	0.003
6/29/2005	West-Southwest	0.003
9/14/2005	West-Southwest	E00.0
12/13/2005	West	0.003
3/20/2006	West-Southwest:	E00.0
6/22/2006	West-Southwest	0.003
9/22/2006	West-Southwest:	
12/7/2006	West	0.004

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 4. Ground-Water Sampling Schedule Atlantic Richfield Company Station #608 17601 Hesperian Boulevard, San Lorenzo, California

Well	First	Second	Third	Fourth	Sampling								
Number	Quarter	Quarter	Quarter	Quarter	Frequency								
Groundwater Mon	itoring Wells												
MW-5	X		Х		Semiannually (1st and 3rd Quarter)								
MW-7			Remov	ed from Pro	gam								
MW-8	X		Х		Semiannually (1st and 3rd Quarter)								
MW-9			X		Annually (3rd Quarter)								
MW-10	Х	Х	Х	Х	Quarterly								
MW-11			X		Annually (3rd Quarter)								
E-1A	X	X	X	Х	Quarterly								
MW-13			Remove	ed from Pro	gram								
MW-14			X		Annually (3rd Quarter)								
MW-15	X		Х		Semiannually (1st and 3rd Quarter)								
MW-16	***		Х		Annually (3rd Quarter)								
MW-17			D	estroyed	——————————————————————————————————————								
MW-18			Х		Annually (3rd Quarter)								
MW-19	Removed from Program												
MW-20		Destroyed											
MW-21	X Annually (3rd Quarter)												
MW-22			Х		Annually (3rd Quarter)								
MW-23			X		Annually (3rd Quarter)								
MW-24			Remove	d from Prog	ram								
MW-25	X	Х	X	Х	Quarterly								
MW-26			X		Annually (3rd Quarter)								
Domestic Irrigation	ı Wells												
590H			D	estroyed									
633H				estroyed									
634H		Pu	mp Not Fund	tional, Well	Not in Use								
642H	Х	X	X	X	Quarterly								
675H			D	estroyed									
17197 VM			D	estroyed									
17200 VM			D	estroyed	v) v) to to to to to to to to to to to to to								
17203 VM	Destroyed												
17302 VM		Pu	mp Not Fund	tional, Well	Not in Use								
17348 VE		Pu	mp Not Fund	tional, Wel	Not in Use								
17349 VM			D	estroyed									
17371 VM			D	estroyed									
17372 VM	Х	Х	Х	X	Quarterly								
17393 VM				estroyed									
				-									

Notes: Beginning third quarter 2005, the sampling schedule was changed.

Table 5. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

				-1				GRO/TPH-9	•		Benzene			MTBE	
		19	B4				Influent	GROTTE	}	Influent	Donzono		Influent		
1.51		Hour	System	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Concen-	Net	Removed
Influent	F4	Meter	Down Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Sample Date	Foot	Reading (hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(μg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
09/25/91	note	0	(70)	(ganons)	0	0.0	ND		0.00		0.000	0.00	_		
09/25/91				1,144	1,144		38	0.00	0.00	4.8	0.000	0.00			_
10/22/91		26	95.9	12.844	11,700	7.6	ND		0.00	ND	0.000	0.00			_
11/22/91		77	93.1	52,532	39,688	13.0	ND		0.00	0.5	0.000	0.00			
12/19/91		322	62.1	122,540	70,008	4.8	ND		0.00	ND	0.000	0.00			
01/16/92		994	0.0	283,289	160,749	4.0	ND		0.00	ND	0.000	0.00		_	
02/19/92		1.809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01			
03/17/92	 	2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04	_		
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06			
05/14/92		3,849	0.0	1.030.086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07		<u> </u>	
06/19/92	ļ——	4,712	0.1	1,229,960	199,874	3.9	ND		1.17	ND	0,001	0.07			
07/14/92	 	5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	80.0		_	
08/18/92				1,410,018	118,817	 	ND		1.19	ND	0,012	0.09		_	
09/15/92		6,298		1,535,640	125,622	3.1	ND		1.19	ND	0.000	0.09			
10/16/92		7,012	4.1	1,651,623	115,983	2.7	ND		1.19	ND	0.000	0.09		-	
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND		1.19	ND	0.000	0.09			
12/17/92	 	8,502	0.4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09			
01/18/93		8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10			
02/22/93		9,607	0.0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13			
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16			
04/09/93		10,517	32.8	2,298,770	92,937	3.8	140	0.17	2,25	11.0	0.015	0.18			
05/13/93		11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20			
06/04/93		11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21			
07/20/93		12,573	24.0	2,689,697	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22			
08/16/93		13,219	0.3	2,791,366	101,669	2.6	150	0.15	3.32	4.9	0,007	0.23			
09/13/93		13,888	0.4	2,884,736	93,370	2.3	80	0.09	3.41	2.2	0,003	0.23			
10/08/93		14,485	0.5	2,951,737	67,001	1.9	ND	0.02	3.43	ND	0.001	0.24			
11/19/93		15,494	0.0	3,036,032	84,295	1.4	ND	0.00	3.43	ND	0.000	0.24			
12/21/93		16,260	0.3	3,113,565	77,533	1.7	73	0.02	3,45	3.5	0.001	0.24 0.24			
01/18/94		16,939	0.0	3,190,900	77,335	1.9	60	0.04	3.49	3.1	0.002				
02/17/94		17,658	0.0	3,273,720	82,820	1.9	ND	0.02	3.51	2.5	0.002	0.24 0.24			
03/15/94		18,235	7.5	3,344,249	70,529	2.0	ND	0.00	3.51	ND 7.0	0.001				
04/21/94		18,849	30.8	3,418,537	74,288	2.0	110	0.03	3.55	7.8	0.002	0.24 0.25			
05/13/94		19,351	5.1	3,478,910	60,373	2.0	230	0.09	3.63	8.3	0.004 0.003	0.25	<u> </u>		
06/14/94	а	19,680	57.1	3,518,608	39,698	2.0	230	0.08	3.71	12.0	0.003	0.25			
07/14/94	b	20,145	35.4	3,574,408	55,800	2.0	270	0.12	3.83 3.93	6,9 1.8	0.004	0.26			
08/17/94	С	20,920	5.0	51,260	91,580	2.0	ND	0.10	3.93	ND	0.003	0.26			
09/12/94		21,549	0.0	120,910	69,650	1.8	ND	0.00	3.93	ND ND	0.001	0.26	 		
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	ויייי ו	1 3.93	IND	1 0.000	1	J	I	<u> </u>

Table 5. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

-	_		· · · · · · · · · · · · · · · · · · ·			1		GRO/TPH-	1		Benzene			MTBE	
		Hour	System			·	Influent	O.CO.T.T.	3	Influent			Influent		
[_6] -		Meter	Down	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Concen-	Net	Removed
Influent Sample	Foot	Reading	Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Date	note	(hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
11/15/94	HOLO	23,080	0.0	280,840	68,960	1.7	ND.	0.00	3.93	0.7	0.000	0.26			
12/05/94		23,489	14.8	325,830	44,990	1.8	470	0.09	4.02	32.0	0.006	0,27		-	
01/04/95		24,205	0.6	408,740	82,910	1.9	ND	0.16	4.18	1.1	0.011	0.28		_	
02/06/95		24,926	9.0	499.690	90.950	2.1	100	0.04	4.22	2.4	0.001	0.28			
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28			
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28		_	
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29			
06/05/95		27,721	2.4	848.810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29			
07/06/95		28,464	0.1	921,260	72,450	1.6	270	0.08	4.74	2.4	0.001	0.29	_		
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29		-	
06/05/00	e	29,592		976,600			700		4.89	7.2		0.29	361.0	_	0.000
06/05/00		29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00		30,352	4,2	1,131,560	151,760	3.3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00		31,528	25.4	1,306,300	78,060	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00		32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00		33,516	5.4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01		33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01		34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01		34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3		0.07	6.20		0.000	0.31	07.5	0.03	0.920
04/18/01		35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31 0.31	97.5 93.2	0.02	0.930
05/04/01		35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	71.0	0.03	1.029
06/09/01		36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	430.0	0.05	1.066
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND 2.2	0.000	0.31	870.0	0.04	1.235
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36		0.000	0.31	340.0	0.17	1.480
09/05/01		37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42 6.42	<1.0 ND	0.000	0.31	150.0	0.13	1.611
10/05/01		37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND ND	0.000	0.31	92.0	0.08	1.690
11/13/01		38,820	0.0	2,119,670	78,720	1.5	ND CE		6.44	ND ND	0.000	0.31	83.0	0.05	1.739
12/11/01		39,496	0.0	2,186,530	66,860	1.6 1.8	65 <50	0.02	6.46	ND ND	0.000	0.31	140.0	0.05	1.797
01/04/02	<u> </u>	40,063	0.0	2,248,700	62,170		100	0.02	6.49	ND	0.000	0.31	190.0	0.12	1.913
02/05/02		40,830	0.2	2,333,090	84,390	1.8	150	0.04	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
03/05/02		40,968	79.4	2,353,460	20,370	2,5	400	0.02	6.73	9.6	0.000	0.31	260.0	0.24	2.200
04/08/02		41,735	6.0	2,448,360	94,900 50,960	0.9	310	0.22	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/16/02		42,642	0.6	2,499,320 2,503,380	4,060	0.9	310	0.00	6.88	-1.0	0.000	0.31		0.00	2.325
05/31/02		42,832 44,925	47.2	2,503,380	16.909	0.4		0.00	6.88	 	0.000	0.31	 	0.00	2.325
08/19/02	<u>g</u>	44,925		2,520,269	293	0.1		0.00	6.88		0.000	0.31		0.00	2.325
10/03/02	9	1 44,930	<u> </u>	1 2,020,002		1	.1	1 0,00		I		I		J	<u> </u>

Table 5. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

	-		1			····		GRO/TPH-			Вепзеле			MTBE	
		Hour	System				Influent	GROTTING	<u> </u>	Influent	201120110		Influent		
Influent		Meter	Down	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Concen-	Net	Removed
Sample	Foot	Reading	Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Date	note	(hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(μg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
10/07/02	g	44,956		2,522,394	1,812	_	160	0.00	6.89	<1.0	0.000	0.31	130.0	0.00	2.329
11/07/02	h	0		2,527,925	5,531		250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2,337
12/05/02		479	28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
01/03/03		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0.06	2.546 2,585
04/24/03		4,172	0.0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0.31	<50	0.00	2.585 2.593
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03		5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31 0.31	41.0 30.0	0.08	2.678
08/28/03		6,165	8.0	3,040,900	68,538	1.4	<50	0.01	7.39 7.39	<0.50 <0.50	0.000	0.31	28.0	0.02	2.096
09/25/03		6,838	0.0	3,095,020	54,120	1.3	<50 -50	0.00	7.39	<0.50	0.00.0	0.31	28.0	0.04	2.753
10/23/03		7,512	0.0	3,149,200	177,215	1.1	<50 <50	0.00	7.39	<0.50	0.000	0.31	22.0	0.01	2.764
11/20/03		8,182	0.3	3,204,612	55,412 30,531	1.4	52	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.770
12/18/03		8,851	1.1	3,264,487 3,312,485	47,998	1.6	JZ 	0.00	7.40		0.000	0.31		0.00	2.770
01/08/04 01/22/04		9,356 9.690	1.0 0.7	3,312,465	32,509	1.6	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.774
02/19/04		10,357	1.6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.781
03/18/04		11.030	0.0	3,480,800	70.343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.02	2.796
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.01	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0.02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04		16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0,2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05	 	18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	$\frac{1}{1}$	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0.01	2.909
04/20/05	 '	20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05	·	21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0.01	2.926
06/15/05	-	21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932
07/26/05	-	22,468	24.8	4,369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05	1	23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53		0.000	0.31	9.8	0.004	2.940
00/20/00	<u>, J.,,</u>	23,104	1 0.0	1 7,707,002	01,702				1	.1	I	.1			•

Table 5. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

·	<u> </u>					· · ·		GRO/TPH-	3		Benzene			MTBE	
Influent Sample Date	Foot	Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	Influent Concen- tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen- tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen- tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05		24,483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.945
11/16/05		25,178	0.1	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.003	2,948
12/13/05		25.825	0.2	4,523,250	28,060	0.7	<50	0.00	7.53	<0.50	0.000	0.31	11	0.003	2.951
01/12/06	ļ	26,546	0.0	4,562,040	38,790	0.9	<50	0.00	7.53	<0.50	0.000	0.31	16	0.004	2.955
02/08/06	<u> </u>	27,195	0.0	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959
03/06/06	 	27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2,963
04/03/06	<u> </u>	28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
05/02/06		NA	NA	4,686,187	34,557		<50	0.00	7.54	<0.50	0.000	0.31		0.000	2.967
06/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	15	0.001	2.967
06/27/06		30,524	0.3	4,697,476	2,667	_			_			<u> </u>			
07/17/06		31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
09/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
10/09/06	·	33,014	0.8	4,732,140	651	0.02	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
11/10/06	· · · · · · · · · · · · · · · · · · ·	33,784	0.0	4,732,180	40	0.001	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
12/05/06	-	34,379	0.8	4,732,186	6	0.0		0.00	7.54		0.000	0.31		0.000	2.968

	······································		
8,346,914			
697			
	7.54	0.31	2.968
	1.24	0.04	0.48
0.04			
99.8%			
	0.000	0.000	0.000
	0.000	0.000	0.000
	10/09/06 to 12/05/06 8,346,914 697 0.01 99.8%	8,346,914 697 7.54 1.24 0.01 99.8%	8,346,914 697 7.54 0.31 1.24 0.04 0.01 99.8%

Table 5. Ground-Water Extraction System Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

SYMBOLS AND ABBREVIATIONS:

gpm = Gallons per minute

GRO = Gasoline range organics, C4 to C12 range

MTBE = Methyl tert-butyl ether ug/L = Micrograms per liter

ND = Not detected at or above the laboratory reporting limit TPH-q = Total purgeable petroleum hydrocarbons as gasoline

-- = Not available/applicable/sampled

= Not detected at or above the laboratory reporting limit
 + Assume same concentration as prior sampling event

Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE =6.18 lbs/gallon (MTBE not quantified prior to 6/5/00

Footnotes:

- a. Totalizer broken; volume estimated from hourmeter and flow rate.
- b. Volume estimated from hourmeter and instantaneous flow rate.
- Sewer totalizer replaced July 28, 1994; volume discharged estimated at 40,320 gallons for the period between July 14 and 28, 1994 at 2.0 gpm.
- d. GWE system temporarily shut down August 21, 1995.
- e. GWE system restarted June 5, 2000.
- f. System down during construction to main sewer line from approx. 6/25/01; restarted 8/14/01.
- g. Hour meter reading not functioning.
- h. Hour meter replaced.
- i. Quantity of unknown hydrocarbons in sample based on gasoline.

Equations: Net Dissolved Concentration Removed [pounds] =

Average influent concentration, [ug/L] x net volume (gallon) x conversion factor [µg to kg] x conversion factor [L to pounds]; (Net dissolved concentration removed is calculated by averaging influent concentrations)

Notes:

The data within this table collected prior to April 2006 was provided to BAI by RM and their previous consultants. BAI has not verified the accuracy of this information.

Beginning Fourth Quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Station #608

	ODO/TOU	D	 - 1	Ethyl-	V. 3	MTDE	005	700		
Date	GRO/TPH-g				1	MTBE	COD	TSS	pH	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	luent to prim			4.0					I	
09/26/91	38 <30	4.8	0.6	1.6	1.1					
10/22/91		<0.30	<0.30	<0.30	<0.30					
11/22/91	<30	0.52	<0.30	<0.30	<0.30	** ****	****			
12/19/91	<30	<0.30	<0.30	<0.30	<0.30					
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					
02/19/92	370	14	0.34	14	2.4					
03/17/92	160	18	0.32	0.56	1.6					
04/15/92	200	11	<0.30	7.3	0.77			****		
05/14/92	45	1.4	<0.30	<0.30	<0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	74 07 M		****		
07/14/92	97	25	<0.50	8.5	<0.50					
08/18/92	<50	<0.50	<0.50	<0.50	<0.50					
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	P4 04 04				
10/16/92	<50	<0.50	<0.50	<0.50	<0.50					
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					
12/17/92	96	7.7	13	0.56	9.7	mere				
01/18/93	100	13	6.6	1.1	11					
02/22/93	480	36	29	4.9	96		***	****		
03/15/93	310	29	14	4.9	55					
04/09/93	140	11	2.8	2.6	17					
05/13/93	530	27	12	18	96					
06/04/93	170	5.2	1.6	2.5	23		***			
07/20/93	200	12	0.91	8.2	29					
08/16/93	150	4.9	0.63	2.9	15					
09/13/93	80	2.2	<0.50	<0.50	4.8					
10/08/93	<50	<0.50	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50					
12/21/93	73	3.5	<0.50	1.9	8.4					
01/18/94	60	3.1	<0.50	3.2	4.3	H WW				he ded with
02/17/94	<50	2.5	<0.50	2.1	3.1					
03/15/94	<50	<0.50	<0.50	<0.50	<0.50				****	
04/21/94		7.8	<1.0	9.6	<1.0					
05/13/94	230	8.3	<0.50	14	6					
06/14/94	230	12	<0.50	16	1.5			ess and the		
07/14/94	270	6.9	<0.50	15	1.9	as 14 las	******			
08/18/94	<50	1.8	<0.50	1.5	<0.50	₽				
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	***				
10/18/94	<50	<0.50	<0.50	<0.50	<0.50					
11/05/94	<50	0.66	<0.50	2.6	<0.50		*******			
12/05/94	470	32	0.59	29	6.2					
01/04/95	<50	1.1	<0.50	1.4	<0.50					

Station #608

				Ethyl-						<u> </u>
Date	GRO/TPH-g	Benzene	Toluene		Xvlenes	MTBE	COD	TSS	рН	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	uent to prim				<u> </u>	(1-3/		(11.57	(4,,,,,,,	(9, -/
02/06/95	100	2.4	1.1	1.2	2.8					
03/02/95	<50	<0.50	<0.50	<0.50	<0.50					
04/04/95	290	6.6	<0.50	10	1.7				****	
05/02/95	240	7.1	<0.50	3.2	1.6					
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	****				
07/06/95	270	2.4	<0.50	7.6	1					
08/21/95	230	1.8	<0.50	1.6	0.92					
06/05/00	700	7.24	<1.0	2.11	<1.0	361				
07/08/00	133	5.09	0.598	<0.50	<0.50	272				
08/10/00	144	2.8	<0.50	1.04	<0.50	126				
09/08/00	261	2.74	0.826	0.626	<0.50	120				
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5			*****	
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6				
12/05/00	167	0.775	<0.50	<0.50	<0.50	104				
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8		***		
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5				
03/08/01	219	<0.50	6.16	1.21	0.682	81				
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5	*****			
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2				
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71				
07/05/01	100	<0.50	2.5	<0.50	<0.50	430	~			
08/14/01	290	2.2	3.5	<1.0	<1.0	870				
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340			44 50.44	
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92				
12/11/01	65	<0.50	0.58	<0.50	<0.50	83		10 mm to		
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140				
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190				
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350				
04/08/02	400	9.6	<1.0	1.4	<1.0	260				
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330				
10/07/02	160	4.1	<1.0	<1.0	<1.0	130				
11/07/02	250	<0.50	10	0.7	0.77	210				
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110		e4 va.e4		
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140				
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66				
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71				
4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56				
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50				
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46				

Station #608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	_	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	μg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
INFL (inf	luent to prim	ary carbo	n) (cont	inued)				*		
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²		we set set	m===	
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22				
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27	100 cm pa	~~~		
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25				
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27				
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19		wi mi inv		
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15	144 A4			
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14		****		
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15				
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19		m++		
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	*****	44 60.00		
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21				40-24-24
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19		****		e
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15		*****		*******
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8	H44H			
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15		44.		
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16				
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15				
03/06/06	<50	<0.50	<0.50	<0.50	<1.0	16				bis mirm
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15				
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9	4			

Station #608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene		Xylenes	MTBE	COD	TSS	рН	DO
Sampled		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
INFL (inf	luent to prim					, ,				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3				
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6				
12/05/06		· · · · · · · · · · · · · · · · · · ·		Sı	stem Sh	utdown			J	<u> </u>
MID-1 (be	etween prima	ary and se	condary	/ carbons	5)					
09/26/91	<30	<0.30	<0.30	<0.30	<0.30			***		
10/22/91	<30	<0.30	<0.30	<0.30	<0.30					
12/19/91	<30	<0.30	<0.30	<0.30	<0.30	200 to 4				
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					*****
02/19/92	<30	<0.30	<0.30	<0.30	<0.30					
03/17/92	<30	<0.30	<0.30	<0.30	<0.30					
04/15/92	<30	<0.30	<0.30	<0.30	<0.30				Pa 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	
05/14/92	<30	<0.30	<0.30	<0.30	<0.30	***				
06/19/92	<30	<0.30	<0.30	<0.30	<0.30		*****			
07/14/92									****	
08/18/92		*****			*****					
09/15/92	14 m m									
10/16/92								******		
11/18/92	ted led law						*****			
12/17/92		~~~						P4 ##4+		
01/18/93				****			*****			
02/22/93		~~~								
03/15/93				******						
04/09/93	er m en									PR-88-14
05/13/93										
06/04/93				*****			1			
07/14/94	ND	ND	ND	ND	ND		****			
08/17/94					NO 400 CE	 -				
09/12/94		10-10-11								
10/18/94				****				***	*****	
11/05/94						P4 140 F4				
12/05/94	ния									
01/04/95										
02/06/95	50 See 60.									
03/02/95										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	***	neu		
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0				
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5			May 400-310	
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				

Station #608

				Ethyl-						
Date	GRO/TPH-g			ŀ	Xylenes	MTBE	COD	TSS	pН	DO
Sampled		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	etween prima	,) (contir	nued)				
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		***		
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	20 +4 bu			
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		44 80-44		
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	****			
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	Pa			
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3			*****	
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9				
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26				
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17				
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58				
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55				
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100				
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66				
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130				
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120		0-0 T-0 G-1		
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110				
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140				
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110				
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5			*****	
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²		00 TC 140	****	
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1				
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2				
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3		*** 144 ***	****	
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2				
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4	B-000 P-0			
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5		***		
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8				

Station #608

	***			Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene		Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	etween prima						<u> </u>	· · · · · · · · · · · · · · · · · · ·		, ,
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6	*****	*****		
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5				
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9				
01/19/05	<50	<0.50	<0.50	<0.50	< 1.0	2.2		1		
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9				
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4				
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1		** ***		
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2		****		
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2		1		
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	***			
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50				
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50		b4 00 004		
04/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50	4ab 4ab 54b				
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50			440 Feb.	
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
12/05/06				Sy	stem Sh	utdown		•		
	1									
MID-2 (be	etween seco	ndary and	d tertiary	carbons)					
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		and are seed		
07/08/00	M m m									
09/08/00										
10/10/00								60 to 100		
11/07/00							******			
12/05/00				44 40 114		der del del				
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		*****		
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				

Station #608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene		Xvlenes	MTBE	COD	TSS	рН	DO
Sampled	_	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
MID-2 (be	etween seco					ued	<u></u>	(11.3.4)	(=====	[(···g· -/
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	****			
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				H
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	****			
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				******
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5		****		
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5			P\$ 44.04	
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1	100010			
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94				
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95		*****		
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1				
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5			****	
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	P9 P9 50			
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			****	
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			-	
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50		***	***	
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			-	
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			******	
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				

Station #608

					1120, Oan					
D-1-	ODOTOLI	_	1	Ethyl-						
Date	GRO/TPH-g					MTBE	COD	TSS	pН	DO
Sampled		(hg/r)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	etween secoi						r ·			,
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50		***		
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	Here			
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	******	ľ		
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				*****
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	*****		*****	
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6				
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3				
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0				*****
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	******			
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7				****
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6				
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	***			
12/05/06				Sy	stem Sh	utdown				
EFFL (eff	luent to sew	er)								
09/26/91	<30	<0.30	<0.30	<0.30	<0.30					
10/22/91	<30	<0.30	<0.30	<0.30	<0.30		₩44+			
11/22/91	<30	<0.30	<0.30	<0.30	<0.30				*****	
12/19/91	<30	<0.30	<0.30	<0.30	<0.30		no 041 tro			
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					
02/19/92	<30	<0.30	<0.30	<0.30	<0.30					
03/17/92	<30	<0.30	<0.30	<0.30	<0.30				and very over	
04/15/92	<30	<0.30	<0.30	<0.30	<0.30	~~~				
05/14/92	<30	<0.30	<0.30	<0.30	<0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	• ***				
07/14/92	<50	<0.50	<0.50	<0.50	<0.50		****			
	L	!	1						L	L

Station #608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	-	Xylenes	MTBE	COD	TSS	pН	
Sampled	_	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
EFFL (eff	luent to sew		nued)						1	
08/18/92	<50	<0.50	<0.50	<0.50	<0.50					
09/15/92	<50	<0.50	<0.50	<0.50	<0.50		*****			
10/16/92	<50	<0.50	<0.50	<0.50	<0.50		Bro tolk ded			
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					
12/17/92	<50	<0.50	<0.50	<0.50	<0.50		**************************************			
01/18/93	<50	<0.50	<0.50	<0.50	<0.50					
02/22/93	<50	<0.50	<0.50	<0.50	<0.50	442 A42 449				
03/15/93	<50	<0.50	<0.50	<0.50	<0.50		*****			
04/09/93	<50	<0.50	<0.50	<0.50	<0.50					
05/13/93	<50	<0.50	<0.50	<0.50	<0.50			wa 144 w		
06/04/93	<50	<0.50	<0.50	<0.50	<0.50					
07/20/93	<50	<0.50	<0.50	<0.50	<0.50					
08/16/93	<50	<0.50	<0.50	<0.50	<0.50		***			
09/13/93	<50	<0.50	<0.50	<0.50	<0.50					
10/08/93	<50	<0.50	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50		****	****		
12/21/93	<50	<0.50	<0.50	<0.50	<0.50					
01/18/94	<50	<0.50	<0.50	<0.50	<0.50		****			
02/17/94	<50	<0.50	<0.50	<0.50	<0.50					
03/15/94	<50	<0.50	<0.50	<0.50	<0.50					
04/21/94	<50	<0.50	<0.50	<0.50	<0.50				****	*****
05/13/94	<50	<0.50	<0.50	<0.50	<0.50					
06/14/94	<50	<0.50	<0.50	<0.50	<0.50				*****	
07/14/94	<50	<0.50	<0.50	<0.50	<0.50					
08/17/94	<50	<0.50	<0.50	<0.50	<0.50					
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	*****				
10/18/94	<50	<0.50	<0.50	<0.50	<0.50					
11/05/94	<50	<0.50	<0.50	<0.50	<0.50					
12/05/94	<50	<0.50	<0.50	<0.50	<0.50	duri tank data		~~~		
01/04/95	<50	<0.50	<0.50	<0.50	<0.50					
02/06/95	<50	<0.50	<0.50	<0.50	<0.50					
03/02/95	<50	<0.50	<0.50	<0.50	<0.50	****				
04/04/95	<50	<0.50	<0.50	<0.50	<0.50				m	
05/02/95	<50	<0.50	<0.50	<0.50	<0.50					
06/05/95	<50	<0.50	<0.50	<0.50	<0.50	+40 FFE THE				
07/06/95	<50	<0.50	<0.50	<0.50	<0.50					
08/21/95	<50	<0.50	<0.50	<0.50	<0.50					
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5		*****	7.19	
06/12/00	<50									
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	

Station #608

				Ethyl-						
Date	GRO/TPH-g		Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	fluent to sew									
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	*****
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89	
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98	
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01	
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22	
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91	
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77	
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52	
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60	
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5		*****		
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80	
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50	
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10.	6.95	10.23
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	<20	<10	6.82	3.45
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	0.94
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50		*****		

Station #608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	luent to sew	er) (conti	nued)							·
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 4
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	
05/02/06	<50	<0.50	<0.50	<0.50	<0.50		<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.34	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	
12/05/06				Sy	stem Sh	utdown				

Table 6

Treatment System Analytical Data

ARCO Service Station #608 17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

SYMBOLS AND ABBREVIATIONS:

= Not applicable/available/sampled

=Not detected at or above the laboratory reporting limit.

COD = Chemical oxygen demand

DO =Dissolved Oxygen, field measurement

GRO = Gasoline Range Organics

μg/L =Micrograms per liter
mg/L =Milligrams per liter

MTBE =Methyl tert-Butyl Ether

ND =Not detected at or above the laboratory reporting limit TPH-q =Total purgeable petroleum hydrocarbons as gasoline

TSS =Total suspended solids

FOOTNOTES:

1 = Analyzed with EPA Method 8260

- 2 = MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).
- 3 = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- 4 = Value appears to be anomalous.
- 5 = Possible high bias due to CCV falling outside acceptance criteria

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

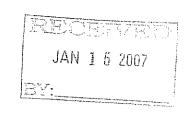
The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

APPENDIX A

STRATUS GROUND-WATER SAMPLING DATA PACKAGE (INCLUDES FIELD DATA SHEETS AND LABORATORY ANALYTICAL REPORT WITH CHAIN-OF-CUSTODY DOCUMENTATION)





3330 Cameron Park Drive, Ste 550 Cameron Park, California 95682 (530) 676-6004 ~ Fax: (530) 676-6005

January 5, 2006

Mr. Rob Miller Broadbent & Associates 2000 Kirman Ave. Reno, NV 89502

Re:

Groundwater Sampling Data Package, BP Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Quarterly Monitoring performed on December 7, 2006)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson

Phone Number: (530) 676-6000

On-Site Supplier Representative: Vince Zalutka

Date: December 7, 2006

Arrival: 04:30 Departure: 8:15

Weather Conditions: Clear Unusual Field Conditions: None

Scope of Work Performed: Quarterly monitoring and sampling

Variations from Work Scope: Wells 17372VM, 642H, and E-1A located in residential area,

could not locate. Well MW-16 covered by car.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, calibration form, chain of custody documentation, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Jay R. Johnson

No. 5867

Jay R. Johnson, Project Manager

Attachments:

- Bill of Lading
- Field Data Sheets
- Calibration Form
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGEWATER RECOVERED WHICH FROM GROUNDWATER HAS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY ENVIRONMENTAL ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA. SEAPORT

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004J, and Dulous Environmental, Inc. [Dulous, PO Box 2559, Orangevale, CA 95662, (916) 990-0333J. Stratus is authorized by BP GEM OIL. COMPANY to recover, collect, and apportion into loads the nonhazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to DP GEM Oil Company facility 5786 located in West Sacramento, California. Dulous also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of non-lazardous well purgewater from wells at the BP GEM Oil Company facility described below:

rian
r Monitoring Wells:
her wents
nito vehicle #
date
etter
· · · · · · · · · · · · · · · · · · ·
M2107106
,

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004J, and Dulous Environmental, Inc. [Dulous, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the nonhazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to DP GEM Oil Company facility 5786 located in West Sacramento, California. Dulous also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgawater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

17601	Hesperian
Station Address	
Total Culting Gran	
Total Calforia Collected I	from Groundwater Monitoring Wells:
	15.5
Added Equipment	Any Other
Rinse Water	Adjustments
TOTAL GALS. 15	Stratus vehicle #
C'tamet 79	
ouams Project#	time date
•	f 1
•	f 1
Stratus Project #	e Zalocette
Signature Vun	e Zutrette
SignatureU	f 1



Global ID: T0600100085

Site Address

City Sacramento CA
Sampled By: VinceZ

Site/Number_
W M W Project No

608

Project PM Jay Johnson
Date 12-07-06

Signature

Dale: 12.07-06

	Water Level Data Purge Volume Calculations									Well Purge Method Sample Record Field I						Field Data	1 .	
Well ID	Time	Depth to water	Top of		Casing Water	Weil	Multiplier Value	Three Casing Volumes (Gallons)	Actual Water Purged	No				DTW At			Dissolved Oxygen	
MW-5	0630	<u> </u>	1001	13.5	N/A	(filciles)	(13)	(Gaibits)	(Gallotts)	Putge	Baller	Fump	Other	Ī		Sample time	(ppm)	t)
MW-8	0635	10.2		27.7	NA					╂				<u></u>	MW-5			
MW-9	0557	9.67		18.0	N/A										MW-8			
MW-10		9.78	-		12.42	3	١	12	12		X			9.76	MW-9	0747	. 89	
MW-11		10.68		18.6	NA				(2	 -				7.16	MW-10 MW-11	017/	* 0 -	
E-1A		10000		•											E-1A			House
MW-14	0542	9.05		21.9	N/A	1				<u> </u>					MW-14			
MW-15				23	NA					 					MW-15			covered
MW-16														~	MW-16			covered
MW-21	0802	9.76		2 .3	N/A										MW-21			- 69
MW-22				21.3	η/Δ	러	-								MW-22		-	C
MW-23		11.50		21.50	N/A		·					:			MW-23			2-1 \
MW-25	0700	11.22		18.3	7.08	2.	.5	3.5	3.5		X			11.18	MW-25	0747	71%	
MW-26	0548	(1.]		19.4	NIR								,		MW-26			
642H					1										642H			House/c
17372VN															17372VM		,,,	House/
								-			-							,
TB 608 12	07 2006														TB	0425		٠
										· · · · · · · · · · · · · · · · · · ·								
-																		

by car

Multiplier Values 2" = 0.5 3" = 1.0 4"=2.0 6"=4.4



Site Address		0
City	Sacramento	CA

Sampled By: VinceZ

Site Number 608 Project No Project PM Jay Johnson

12-07-16

Date 01/00/00

Well ID	TTO MINUTES	MV	V-5		Well ID MW-8									
purge start tir	me .				purge start time	9		,						
	Temp C	pН	cond	gallons		Temp C	pН	cond	gallons					
time					time									
time					time									
time					time									
time	<u> </u>				time									
purge stop tir	ne				purge stop time									
Well ID		M۷	V-9		Well ID	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ΜV	V-10 0	747					
purge start tir	ne			.,	purge start time	<u>₿</u>	ailer							
	Temp C	рН	cond	gallons		Temp C	pН	cond	gallons					
time					time	16.9	7.28	869	&					
time					time	17,3	6.99	873						
time					time	11.5	7.10	812	12					
time					time									
purge stop tir	ne				purge stop time)								
Well ID		MV	<u>/-11</u>		Well ID		E-	1A						
Purge start tir	me				Purge start time									
	Temp C	рН	cond	gallons		Temp C	рΗ	cond	gallons					
time					time				•					
time					time									
time					time									
time					time									
purge stop tin	ne		······································		purge stop time	}	444							
Well ID		MV	<i>l</i> -14		Well ID		ΜV	<i>l</i> -15						
purge start tir	ne				purge start time)								
	Temp C	рН	cond	gallons		Temp C	рН	cond	gallons					
time					time									
time					time									
time					time									
time			A A B A B A B A B A B A B A B A B A B A		time									
purge stop tin	ne				purge stop time									



Site Address	0
City	Sacramento CA
Sampled By:	VinceZ

Site Number 608
Project No 0
Project PM Jay Johnson
Date 61/100/00

ORGINAL

12-07-06

V 3

		/	Andre Affres										
Well ID		MV	/ -16		Well ID MW-21								
purge start time	9		1		purge start time	e							
	Temp C	pН	cond	gallons		Temp C	рН	cond	gallons				
time					time								
time					time								
time					time								
time	_				time								
purge stop time	3				purge stop time								
Well ID		MV	<i>I</i> -22	11.000	Well ID		ΜV	V-23					
purge start time	3			_	purge start time	3							
	Temp C	pH ·	cond	gallons	•	Тетр С	рH	cond	gallons				
time					time								
time					time								
time					time								
time					time		"						
purge stop time	2				purge stop time	9							
Well ID		ΜV	1-25 O T	T	Well ID		ΜV	<i>l</i> -26					
Purge start time	e Bark	er 1	<u> </u>	XXR	Purge start time								
	Temp C	pН	cond	gallons		Temp C	pН	cond	gallons				
time	17.7	7.02	1063	Ø	time								
time	17.0	7.20	1034	Ø 3.5	time	·							
time					time		·. · · · · · · · · · · · · · · · · · ·						
time					time .								
purge stop time					purge stop time	· }~							
Well ID		64	2H		Well ID		1737	'2VM					
purge start time	3				purge start time	•							
	Temp C	pН	cond	gallons		Temp C	pН	cond	gallons				
time					time								
time					time								
time				,	time								
time					time		·						
purge stop time	<u> </u>				purge stop time								

Ka Deficient

Account:

Sampled by: UB

Date: (2-07-06

	********							لل			·····		,	·,				<u> </u>			
				į				locate										loca f	į	72	
								wat			an						-	l not		7	
Notes and Other Stuff											1		ļ					house - could not	-),	
Notes and								houne-could			9 6	`						ouse r	<i>"</i>	11	
				}				Serve of			201450										
							ļ	Aco			00			;				avour	"	17	
Bolts Missing						1															
Cracked Box or Bolt-holes																				.	
Cracked or Broken Uld				-													-				
Bolt-holes Stripped	×		×																		
Bolts Stripped	X																: !				
Water In Box	X																				
<u>Lock</u> Missing. (Replaced																					
Box <u>Lock</u> in <u>Missing.</u> Good (Replaced		\setminus			X	X	X		X	X		X	λ	×	×	×					
										ļ										٤	
OI II-M	MW-25	mW-10	5-000	d->	6-5	21-5	11-mm	8-14	אח-הש	612	16	/ 21	> 22	5 23	56 7	MW26		C42H	7 55.61	(7372VM	

Vixilor Log, Dale, attat Tone Date, and Time:

Atlantic Richfield Company

A.BP affiliated company

Chain of Custody Record

Project Name: ARCO 608 BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > Alameda > 608

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy): TAT On-site Time: 420 Temp: 40 Off-site Time: Temp: 50 Sky Conditions: Clear

Meteorological Events: Wind Speed: Direction:

Lab l	Name: TestAmerica						BP/AR Facility No).:	60	8								Con	sultant	/Cont	ractor	:	Stratus Enviro	onmental, Inc.	
Addr	ess: 885 Jarvis Drive						BP/AR Facility Ac	idress	Ξ.	176	601 H	esperi	an Blv	d., Sa	ı Lorei	1ZO		Add	ress:	3:	330 C	Came	ron Park Driv		
Morg	an Hill, CA 95937		,			<u> </u>	Site Lat/Long:													С	amer	on Pa	ırk, CA 95682	2	
	M: Lisa Race:					_ _	California Global I		1,;	T00	60010	0085						Con	sultant	/Cont	ractor	Proje	ect No.:		
Tele/	Fax: 408-782-8156 408-782-630	8 (fax)				_	Enfos Project No.:			G0	C24							Con	sultant	/Cont	ractor	PM:	Ja	y Johnson	
	R PM Contact: Paul Supple						Provision or OOC	(circ	le one)			Prov	vision					Tele	/Fax:	(5	30) (576-6	000 / (530) 6	76-6005	
Addr	ess: 2010 Crow Canyon Place, Suit	te 150					Phase/WBS:		04-M	pnitor	ing							Rep	ort Typ	ne & (QC Le	vel:	Le	vel I with EDF	
	San Ramon, CA					_ _	Sub Phase/Task:		03-Ar	nlytic	al							E-m	ail ED	D To:	Cje	ewitt(@stratusinc.	net	
	Fax: 925-275-3506		···.				Cost Element:		01-Cc	ntrac	tor lab	or						Invo	ice to:	Atla	ntic:R	ichfie	ld Co.		
Lab]	Bottle Order No:			<u> </u>	Mat	ŗix	1			P	reserv	vative					Reque	sted Ar	ıalysis				82	GO 4	11,
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H₂SO₄	HNO3	HCI	Methanol	Z DYEV	ナス	ED 18	12-DCA	Ethan of						Point Lat/Lon Comments	~~
1	WW-10	6747	12.706		X	1		3		T	Ì	X	T		7-7	L	4	X	T	十	1	\vdash			
2	MW-25		12706	41	X	1		6		✝	<u> </u>	ス	-		रोर	7	文	比				-		+	
			127 0G		V			Z						╬	1	1			+		-	+	10/1		
	12 - 0100 1000	1-30	,	╟─			- 	H	<u> </u>	+	, ·							-			-		Hold		
4	-			 	╀	-	<u> </u>				<u> </u>			_ -				-			J				
5				<u> </u>	 					<u> </u>				_ _									<u> </u>		
6		<u></u>												-	ľ			1 1							
7						-														十	T	\Box	-		
8						\top		П						╢				1 1	\dashv		+	\vdash			
9						1				╁				╢	+-					-	+	╁╼┨		· · · · · ·	
10				Н		+-				\vdash		-		- -		 -		-		- -	-	-			
	ler's Name: VINCE	74	اا		<u>!</u> _		<u> </u>	<u> </u>						-}-											
	ler's Company: Stratus	6166	<u>u / /</u>	. 77			Kelli	nquisi	ied By	AIIII	ation	U K			Date		Time	<u> </u>	············	Acc	epted	By / A	ffiliation	Date	Time
	nent Date: 12-7 \ 200	<u>, </u>	<u> </u>				Vine	<u>U</u>	3	ale	u	Ma	-	12.0	7-24	10	25	ļ.,		165	<u> </u>			- 12/7	1025
	nent Method: Stratus	ψ					ļ							-		-		0						/	
	nent Tracking No:						<u> </u>							-∦				 -							J
pecia	I Instructions:	Please o	c results	sito	rmill	er@b	roadbentinc.com		···· ·					_				<u> </u>							<u> </u>
										,						•					•			•	······
	Custody Seals In Place: Y	cs/No		Tem	ıp Blc	ınk: Y	(es/No Co	oler	Гетр	on R	eceip	t:	°F/	C.	l T	rin IR	ank: Vec	/ No	ſ	MC	MART) Ca	anla Calemitta	1. 3/ / 3/	



29 December, 2006

Jay Johnson Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park, CA 95682

RE: ARCO #0608, San Lorenzo, CA

Work Order: MPL0279

Enclosed are the results of analyses for samples received by the laboratory on 12/08/06 07:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race

Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24
Project Manager: Jay Johnson

MPL0279 Reported: 12/29/06 16:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	MPL0279-01	Water	12/07/06 07:47	12/08/06 07:50
MW-25	MPL0279-02	Water	12/07/06 07:09	12/08/06 07:50
TB60812072006	MPL0279-03	Water	12/07/06 04:25	12/08/06 07:50

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with custody seals.





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24
Project Manager: Jay Johnson

MPL0279 Reported: 12/29/06 16:09

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (MPL0279-01) Water Sampled	: 12/07/06 07:47	Received	12/08/00	6 07:50				,	
Gasoline Range Organics (C4-C12)	360	50	ug/l	1	6L16003	12/16/06	12/16/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		106 %	60-1	145	"	**	n	n	
MW-25 (MPL0279-02) Water Sampled	: 12/07/06 07:09	Received	12/08/00	6 07:50					
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6L16003	12/16/06	12/16/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		96 %	60-1	145	n	"	IJ	ıı	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24
Project Manager: Jay Johnson

MPL0279 Reported: 12/29/06 16:09

Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA

Апаlуте	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-10 (MPL0279-01) Water	Sampled: 12/07/06 07:47	Received	: 12/08/06	07:50					
tert-Amyl methyl ether	ND	0.50	ug/l	1	6L16003	12/16/06	12/16/06	EPA 8260B	
Benzene	ND	0.50	н	If	II .	gi .	н	н	
tert-Butyl alcohol	24	20	11	н	н	a	И	н	
Di-isopropyl ether	ND	0.50	JP.	Д	н	ij	И	"	
1,2-Dibromoethane (EDB)	ND	0.50	It	и	17	U)ı	11	
1,2-Dichloroethane	ND	0.50	И	11	IP	II .	N	41	
Ethanol	ND	300	И	Ħ	H	0	n	н	
Ethyl tert-butyl ether	ND	0.50	11	e	н	#	u	đ	
Ethylbenzene	ND	0.50	*1	**	и	14	n	a	
Methyl tert-butyl ether	10	0.50	(1	0	**	II	U	O .	
Toluene	ND	0.50	(I	0	**	и	D	0	
Xylenes (total)	ND	0.50			0	И	D	U	
Surrogate: Dibromofluoromethan	e	100 %	75-13	30	n	11	n	n	
Surrogate: 1,2-Dichloroethane-d4	1	106 %	60-1-	45	n	11	rt	"	
Surrogate: Toluene-d8		104%	70-1.	30	n	n	"	ir	
Surrogate: 4-Bromofluorobenzene	?	115%	60-12	20	"	,,	11	"	
MW-25 (MPL0279-02) Water	Sampled: 12/07/06 07:09	Received	: 12/08/06	07:50					
tert-Amyl methyl ether	6.1	0.50	ug/l	t	6L16003	12/16/06	12/16/06	EPA 8260B	
Benzene	ND	0.50	0	H	ti	И	U	Ħ	
tert-Butyl alcohol	ND	20	e	19	U	*1	11	is the second	
Di-isopropyl ether	ND	0.50	H	P	11	łi	н	ti	
1,2-Dibromoethane (EDB)	ND	0.50	19	и	n	n	H	H	
1,2-Dichloroethane	ND	0.50	14	н	O	U	н	ď	
Ethanol	ND	300	ц	н	IŤ	n	н	a	
Ethyl tert-butyl ether	ND	0.50	н	11	It.	U	μ	ti	
Ethylbenzene	ND	0.50	н	11	ıı	II .	ļi	ti .	
Methyl tert-butyl ether	14	0.50	н	+1	И	17	#1	н	
Toluene	ND	0.50	н	п	и	ii	#1	n	
Xylenes (total)	ND	0.50	11	41		D	fl	11	
Surrogate: Dibromofluoromethan	e	96 %	75-13	30	11	11	11	в	
Surrogate: 1,2-Dichloroethane-d-	!	96 %	60-14	<i>15</i>	"	n	n	n	
Surrogate: Toluene-d8		98 %	70-13	30	II .	n	n	n	
Surrogate: 4-Bromofluorobenzene		95 %	60-12	20	"	n	n	n	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24 Project Manager: Jay Johnson MPL0279 Reported: 12/29/06 16:09

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6L16003 - EPA 5030B P/T /	LUFT GCMS									
Blank (6L16003-BLK1)				Prepared	& Analyze	ed: 12/16/	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l			***************************************				
Surrogate: 1,2-Dichloroethane-d4	2.48		u	2.50		99	60-145			
Laboratory Control Sample (6L16003	-BS2)			Prepared	& Analyzo	d: 12/16/	06			
Gasoline Range Organics (C4-C12)	533	50	ug/l	500	_	107	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.64		"	2.50	***************************************	106	60-145			
Laboratory Control Sample Dup (6L1	6003-BSD2)			Prepared	& Analyze	d: 12/16/	06			
Gasoline Range Organics (C4-C12)	520	50	ug/l	500		104	75-140	2	20	
Surrogate: 1,2-Dichloroethane-d4	2.57	***************************************	n	2.50		103	60-145		······································	***************************************





Project: ARCO #0608, San Lorenzo, CA

Spike

Source

%REC

Project Number: G0C24
Project Manager: Jay Johnson

Reporting

MPL0279 Reported: 12/29/06 16:09

RPD

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6L16003 - EPA 5030B P/T /	EPA 8260B						. =			
Blank (6L16003-BLK1)				Prepared	& Analyze	ed: 12/16/0	06			
tert-Amyl methyl ether	ND	0.50	ug/l		······································	***************************************				
Benzene	ND	0.50	It							
ert-Butyl alcohol	ND	5.0	н							
Di-isopropyl ether	ND	0.50	н							
1,2-Dibromoethane (EDB)	ND	0.50	н							
,2-Dichloroethane	ND	0.50	н							
Ethanol	ND	300	и							
Ethyl tert-butyl ether	ND	0.50	н							
Ethylbenzene	ND	0.50								
Methyl tert-butyl ether	ND	0.50								
l'oluene	ND	0.50								
Xylenes (total)	ND	0.50	И							
Surrogate: Dibromofluoromethane	2,48		n	2,50		99	75-130			
Surrogate: 1,2-Dichloroethane-d4	2,48		p	2.50		99	60-145			
Surrogate: Toluene-d8	2,43		"	2.50		97	70-130			
Surrogate: 4-Bromofluorobenzene	2,39		n	2,50		96	60-120			
Laboratory Control Sample (6L16003-	BS1)			Prepared a	& Analyzo	ed: 12/16/0)6			
ert-Amyl methyl ether	9.75	0.50	ug/l	10.0		98	65-135			
Benzene	10.1	0.50	0	10.0		101	70-125			
ert-Butyl alcohol	174	5.0	0	200		87	60-135			
Di-isopropyl ether	10.8	0.50	0	10.0		108	70-130			
,2-Dibromoethane (EDB)	9.73	0.50	O.	10.0		97	80-125			
,2-Dichloroethane	9.72	0.50	11	10.0		97	75-125			
Ethanol	201	300	н	200		100	15-150			
Ethyl tert-butyl ether	10.4	0.50	H	10.0		104	65-130			
Ethylbenzene	10.8	0.50	н	10.0		108	70-130			
Methyl tert-butyl ether	10.3	0.50	*1	10.0		103	50-140			
l'oluene	0.01	0,50	4	10.0		100	70-120			
Kylenes (total)	32.2	0.50	#1	30.0		107	80-125			
Surrogate: Dibromofluoromethane	2.56		11	2.50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2,40		"	2.50		96	60-145			
Surrogate: Toluene-d8	2.53		"	2.50		101	70-130			
Surrogate: 4-Bromofluorobenzene	2,67		"	2.50		107	60-120			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24 Project Manager: Jay Johnson MPL0279 Reported: 12/29/06 16:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike	Source	WhEG	%REC	nnes	RPD	37.
Analyte	Result	Lillin	Onns	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 6L16003 - EPA 5030B P/T / E	PA 8260B									
Matrix Spike (6L16003-MS1)	Source: M	PL0279-02		Prepared	& Analyz	ed: 12/16/	06			
tert-Amyl methyl ether	16.3	0.50	ug/i	10.0	6.1	102	65-135			
Benzene	11.2	0.50	"	10.0	ND	112	70-125			
tert-Butyl alcohol	194	5.0	"	200	ND	97	60-135			
Di-isopropyl ether	12.0	0.50	U	10.0	ND	120	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	11	10.0	ND	110	80-125			
1,2-Dichloroethane	10.7	0.50	ij	10.0	ND	107	75-125			
Ethanol	227	300	1)	200	ND	114	15-150			
Ethyl tert-butyl ether	11.6	0.50	D	10.0	ND	116	65-130			
Ethylbenzene	11.9	0.50	н	0.01	ND	119	70-130			
Methyl tert-butyl ether	25.6	0.50	н	10.0	14	116	50-140			
Toluene	11.0	0.50	н	10.0	ND	110	70-120			
Xylenes (total)	35,4	0.50	U	30.0	ND	118	80-125			
Surrogate: Dibromofluoromethane	2.48		n	2.50	***************************************	99	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-145			
Surrogate: Toluene-d8	2.55		H	2.50		102	70-130			
Surrogate: 4-Bromofluorobenzene	2.68		н	2.50		107	60-120			
Matrix Spike Dup (6L16003-MSD1)	Source: M	PL0279-02		Prepared	& Analyze	ed: 12/16/0	06			
tert-Amyl methyl ether	14.9	0.50	n6\J	10.0	6.1	88	65-135	9	25	
Benzene	10,1	0.50	u	10.0	ND	101	70-125	10	15	
tert-Butyl alcohol	175	5.0	n,	200	ND	88	60-135	01	35	
Di-isopropyI ether	10.8	0.50	н	10.0	ND	108	70-130	11	35	
1,2-Dibromoethane (EDB)	10.1	0.50	17	10.0	ND	101	80-125	9	15	
1,2-Dichloroethane	9.80	0.50	H	10.0	ND	98	75-125	9	10	
Ethanol	177	300	R	200	ND	88	15-150	25	35	
Ethyl tert-butyl ether	10.6	0.50	ıŧ	0.01	ND	106	65-130	9	35	
Ethylbenzene	10.8	0.50	R	0.01	ND	108	70-130	10	15	
Methyl tert-butyl ether	23.0	0.50	"	0.01	14	90	50-140	11	25	
Toluene	9.99	0.50	11	0.01	ND	100	70-120	10	15	
Xylenes (total)	32.1	0.50	Ħ	30.0	ND	107	80-125	10	15	
Surrogate: Dibromofluoromethane	2.56		Ħ	2,50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.41		n	2.50		96	60-145			
Surrogate: Toluene-d8	2.53		tr	2.50		101	70-130			
Surrogate: 4-Bromofluorobenzene	2.65		11	2.50		106	60-120			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24
Project Manager: Jay Johnson

MPL0279 Reported: 12/29/06 16:09

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

k /
ľ

A BP affiliated company

Chain of Custody Record	Chain	of	Cus	tody	Reco	r	J
-------------------------	-------	----	-----	------	------	---	---

Project Name: ARCO 608
BP BU/AR Region/Enfos Segment:

BP > Americas > West > Retail > Alarneda > 608

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy):

Std TAT

	Page of
On-site Time: 430	Тетр: 40
Off-site Time: 275	Temp: らo
Sky Conditions: Clear	
Meteorological Events:	IA
Wind Speed:	Direction:

Lab Name: TestAmerica		BP/AR Facility No.: 608										Consultant/Contractor: Stratus Environmental, Inc.											
Address: 885 Jarvis Drive		BP/AR Facility Add	ress:		1760	I Hes	periar	a Blva	d., Sa	an Lore	uzo		Add	ess:	3	330.0	ame	eron .	Park D	rive, S	uite 550		
Morgan Hill, CA 95937		Site Lat/Long:													C	amer	on P	ark,	CA 95	682			
Lab PM: Lise Ruce		California Global II	No.	:	T06	00100	085						Con	ultant	/Con	racto	r Proj	ject N	lo.:				
Tele/Fax: 408-782-8156 408-782-6308 (fax)	<u>L</u>	Enfos Project No.:			GOC	24							Con	ultant	/Con	racto	PM:	:		Jay Jo	nnson		
BP/AR PM Contact: Faul Supple		Provision or OOC (circi	e one)			Provi	sion					Tele	Fax:	(:	530)	676-0	6000	/ (530) 676-6	3005		
Address: 2010 Crow Canyon Place, Suite 150	┸	Phase/WBS:		04-Mo	nitori	ng							Repo	nt Typ	e &	QC L	evel:		-	Level	I with El	OF	
San Ramon, CA		Sub Phase/Task:		03-An	alytica	ս							E-m	ail ED	D To	: Ci	ewitt	t@st	ıratusi	nc.net			
Tele/Fax: 925-275-3506		Cost Element:		01-Co	itracte	or labo	ır						Inyo	ice to:	Atla	ntic F	lichfi	ield C	0.				
Lab Bottle Order No: Matri	х	Preservative Requested Analysis 826							0	11 7	7 ,												
Item Sampte Description Time Date Mater/Liquid		Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO3	HCI	Methanol		6% - PTEX	ED 18	12-DCA	Sample Point Lat/Loi Comments					ong a	~				
1 WW-10 6747 12.706 X		מ																					
2 MW-25 0709 12706 X		02	6				N		7	지스	<u> </u>	メ	X										
3 TB 608 1207 2006 0425 12704 X	\Box	ν3	Z					\dashv							_	- -	+	1	Holo	Į	··· · · · · · · ·		
4						· ·						l			7	┪	1	1	- 10 - 0	·			
-5								\dashv	7		-			\dashv		\dagger	+	+					
6	╁				\vdash			\dashv	┪		┪				+	╅	╁┈	-					
	+		H		+			\dashv	\dashv	\dashv	+		+-			+	╁	╢					
7	+	<u>-</u>	\vdash		 	 -						 			+		+	╢					
8	+		Н		╄	 	\vdash			-	-			-	4	_		- -					
9	4		Ш		_				_						_			┸					
10																							
Sampler's Name: VINCE ZKLUTKA		Reli	aquis	hed By	/Affil	intion				Date		Time			A	cepte	d By /	/Affil	liation			gite	Time
Sampler's Company: Stratus		Vinest Falitha 1201.00 1025									10725												
Shipment Date: 12-1-2006	Most 1								12	4	7-110												
Shipment Method: Strafts																							
Shipment Tracking No:																							
Special Instructions: Please ce results to milk	cr@b	roadbentine.com	-																		•		
Custody Seals In Place Yes / No Temp Bla	nk. A	red/No I Co	olen	Temp	or D	acai-	,,,-1 E	7 01	F/C		Trin	Blank: Y	مر المراجعة	71	3.4	CAA	en e	·	In Co.L.	mitted-	Yes Y	7	
Costory ocars in a map of the first part	un.	CC	VICE	1 C111D	OH I	CCC!	v: /		ربالا	<u> </u>	1110	mank. Y	אין יקבי		ĮV.	NIVI)	פ חפ	amp	ic and	muedi	I CS/K	<u>-</u>	

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT) WORKORDER:	666 Blum \ MIPLO279	ann i seument au beimenger	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:	0750 1210				_	tory Purposes? WATER YES NO
CIRCLE THE APPR	OPRIATE RESPONSE	LAB	CLIENT ID	CONTAINER		рĦ	SAMPLE	DATE	REMARKS:
		SAMPLE#	V2,2	DESCRIPTION	VATIVE		MATRIX	SAMPLED	CONDITION (ETC.)
Custody Seal(s)	Present / Absent	,							
	Intact / Broken*)
2. Chain-of-Custody	Present Absent*								/
3. Traffic Reports or			· · · · · · · · · · · · · · · · · · ·						
Packing List:	Present / Absent								
4. Airbill:	(Airbill / Sticker								
	Present / Absent								
5. Airbill#: 🔘 (ලං	1011354657								
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed		<u> </u>						
	on Chain-of-Custody			1					
8. Sample Condition:	Intact / Broken* /			N cont	ت -	_/			
	Leaking*								
9. Does information o	= -								
traffic reports and	sample labeis		1611						
agree?	/Yes)/ No*		jadl						
10. Sample received wit	hin 🗡								
hold time?	yes) No*								
11. Adequate sample vo	lume								
received?	Xes/ No*			<u> </u>					
12. Proper preservatives	s used? Yes / No*								
13. Trip Blank / Temp Bl									
(circle which, if yes)	Yes / No								
14. Read Temp:	0.3								
Corrected Temp:	し・2								-
Is corrected temp 4	+/-2°C? (Yes)/ No**								
(Acceptance range for samples	\ \								
**Exception (if any): ME	TALS / DFF ON ICE		, 4						
or Problem COC									

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Revision 8
% Rev 7 (07/19/05)

Page ____ of ____

California Overnight Shipping Label



Date Printed 12/7/2006

Shipped From: TEST AMERICA - SACRAMENTO 819 STRIKER AVENUE 8 SACRAMENTO, CA 95834



Tracking#D10010113546571

Sent By: TIM ALBRIGHT Phone#: (916)921-9600

wgt(lbs): 67 Reference:

Deci. Value: \$0.00

Ship To Company:

TESTAMERICA - MORGAN HILL 885 JARVIS DR MORGAN HILL, CA 95037 SAMPLE CONTROL (408)776-9600 Service: S

Sort Code: SJC

Special Services:

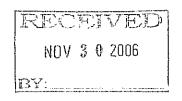
APPENDIX B

SYSTEM O&M DATA PACKAGES AND MONTHLY DISCHARGE REPORTS (INCLUDES FIELD DATA SHEETS AND LABORATORY ANALYTICAL REPORT WITH CHAIN-OF-CUSTODY DOCUMENTATION)



November 3, 2006

Rob Miller Broadbent and Associates, Inc. 2000 Kirman Avenue Reno, NV 89502



System O&M Data Package ARCO 608

17601 Hesperian Blvd., San Lorenzo Field Work Performed: October 2006

General Information

Data Submittal Prepared/Reviewed by: Amber Budd

Phone Number: (510) 874-1769

On-Site Supplier Representative: URS Corporation

Weather Conditions: See attached Field Sheets

System Overview:

• Groundwater extraction system with one groundwater extraction well (E-1 A) abatement with three 2,400-lb carbon vessels in series.

• Oro Loma Sanitary District Permit #SDP-037, expired August 4, 2006 Operational Status: Operational through October 2006 at low influent flow rate. Scope of Work Performed: Activities included routine O&M, monthly sample collection and water chemistry monitoring (pH, etc).

Variations/Issues Noted: No issues noted during October 2006.

This submittal presents the tabulation of data collected in association with routine treatment system operation and maintenance. The attachments include, at a minimum, sampling procedures, field data collected, laboratory results, chain of custody documentation, and waste management activities. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Edmund Tarter, P.E.

Engineering Services Coordinator

No. 64825
EXP. 6/30/07
CIVIL OF CALIFORNIA

Tel: 916.679.2000 Fax: 916.679.2900

Attachments

Tabulated Cumulative O&M Data

Table 1: Treatment System Metered Volume
Table 2: Treatment System Analytical Data
Field and Laboratory Procedures
Laboratory Report with Chain of Custody Documentation
Field Data Sheets

Table 1

Treatment System Metered Volume

ARCO Service Station #0608

r		Т	1					I
				Cuntama			Cumulative	
Meter	Hour Meter			System	Volume		Volume	j
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)	<u> </u>	(hrs)	(%)	(gallons)	(gallons)	(gallons)	Rate (gpm)
06/05/00	29,593	a		96.64	979,800	3,200	3,200	2.1
06/19/00	29,896			9.82	1,052,390	72,590	75,790	4.0
06/28/00	30,062			22.96	1,082,340	29,950	105,740	3.0
07/08/00	30,352	L		0.00	1,131,560	49,220	154,960	2.8
07/26/00	30,749	<u> </u>		8.10	1,196,420	64,860	219,820	2.7
08/07/00	30,955	<u> </u>		28.47	1,228,020	31,600	251,420	2.6
08/29/00	31,309	<u> </u>		32,90	1,276,650	48,630	300,050	2.3
09/08/00	31,528			8.87	1,306,300	29,650	329,700	2.3
09/28/00	32,011	L		0.00	1,368,410	62,110	391,810	2.1
10/28/00	32,638			12.85	1,444,183	75,773	467,583	2.0
11/30/00	33,399			3.96	1,534,960	90,777	558,360	2.0
12/28/00	33,761	匚		46.15	1,576,520	41,560	599,920	1.9
01/04/01	33,924			2.80	1,595,340	18,820	618,740	1.9
02/06/01	34,556	<u> </u>		20.15	1,672,330	76,990	695,730	2.0
03/08/01	34,776			69.50	1,698,860	26,530	722,260	2.0
03/24/01	35,088			18.67	1,741,170	42,310	764,570	2.3
04/05/01	35,310			22.99	1,767,530	26,360	790,930	2.0
04/18/01	35,335			92.15	1,770,860	3,330	794,260	2.3
05/04/01	35,716			0.81	1,812,690	41,830	836,090	1.8
06/09/01	36,345			27.13	1,879,710	67,020	903,110	1.8
07/05/01	36,469	Ъ		80.10	1,897,180	17,470	920,580	2.3
07/28/01	36,821			36.29	1,928,250	31,070	951,650	1.5
08/14/01	36,822	c		99.80	1,928,510	260	951,910	5.4
09/05/01	37,219			24.81	1,977,050	48,540	1,000,450	2.0
10/05/01	37,932			0.94	2,040,950	63,900	1,064,350	1.5
11/13/01	38,820			5.15	2,119,670	78,720	1,143,070	1.5
12/11/01	39,496			0.00	2,186,530	66,860	1,209,930	1.6
01/04/02	40,063			1.60	2,248,700	62,170	1,272,100	1.8
01/31/02	40,716			0.00	2,321,310	72,610	1,344,710	1.9
02/05/02	40,830			5.33	2,333,090	11,780	1,356,490	1.7
02/25/02	40,831			99.62	2,333,270	180	1,356,670	1.7
03/05/02	40,968			29.01	2,353,460	20,190	1,376,860	2.5
04/08/02	41,735			5.96	2,448,360	94,900	1,471,760	2.1
05/04/02	42,362			0.00	2,487,090	38,730	1,510,490	0.1
05/31/02	42,832	đ		27.47	2,503,380	16,290	1,526,780	0.6
08/19/02	44,925			0.00	2,520,289	16,909	1,543,689	0.1
10/03/02	44,956	е		97.11	2,520,582	293	1,543,982	N/A
10/07/02	44,956	е		100.00	2,522,394	1,812	1,545,794	N/A
10/24/02	44,956	е		100.00	2,527,898	5,504	1,551,298	N/A.
11/07/02	0	f	44,956		2,527,925	27	1,551,325	N/A
11/21/02	336		45,292	0.00	2,527,945	20	1,551,345	0.00
12/05/02	479	g	45,435	57.71	2,528,113	168	1,551,513	0.02
12/18/02	788	g	45,744	0.90	2,555,895	27,782	1,579,295	1.50
01/03/02	1,174	g	46,130	100.00	2,591,359	35,464	1,614,759	1.53
	-7		,		-1	,,,,,	-1112	

Table 1 Treatment System Metered Volume

ARCO Service Station #0608

				D			Cumulative	
Meter	Hour Meter			System	Volume		Volume	
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)	ļ	(hrs)	(%)	(gallons)	(gallons)	(gallons)	Rate (gpm)
01/16/03	1,486	g	46,442	96.56	2,625,812	34,453	1,649,212	1.84
02/13/03	2,156	g	47,112	0.36	2,692,710	66,898	1,716,110	1.67
03/13/03	2,832	<u> </u>	47,788	0.00	2,758,948	66,238	1,782,348	1.63
03/27/03	3,165		48,121	0.71	2,790,668	31,720	1,814,068	1.58
04/10/03	3,500	_	48,456	0.27	2,828,060	37,392	1,851,460	1.86
04/24/03	3,837		48,793	0.00	2,865,050	36,990	1,888,450	1.83
05/08/03	4,172	<u> </u>	49,128	0.36	2,900,937	35,887	1,924,337	1.79
05/22/03	4,459	h	49,415	14.46	2,931,190	30,253	1,954,590	1.75
05/30/03	4,459	i	49,415	100.00	2,931,190	0	1,954,590	0.00
06/05/03 06/19/03	4,606		49,562	0.00	2,946,180	14,990	1,969,580	1.69
06/19/03	4,940		49,896	0.77	2,971,985	25,805	1,995,385	1.29
	4,940		49,896	100.00	2,971,985	0	1,995,385	0.00
07/24/03	5,331		50,287	0.00	2,972,362	377	1,995,762	0.02
08/14/03	5,831		50,787	0.95	3,013,517	41,532	2,036,917	0.78
08/28/03	6,165		51,121	0.51	3,040,900	27,383	2,064,300	1.37
09/11/03	6,503	_	51,459	0.00	3,067,641	26,741	2,091,041	1.32
09/25/03	6,838		51,794	0.21	3,095,020	27,379	2,118,420	1.36
10/09/03	7,176		52,132	0.00	3,122,624	81,724	2,146,024	1.35
10/23/03	7,512		52,468	0.00	3,149,200	26,576	2,172,600	1.32
11/06/03	N/A	1	N/A	N/A	N/A	N/A	N/A	N/A
11/20/03	8,182		53,138	0.33	3,204,612	55,412	2,228,012	1.38
12/04/03	8,518		53,474	0.00	3,233,956	29,344	2,201,944	0.49
12/18/03	8,851		53,807	1.07	3,264,487	30,531	2,232,475	1.53
01/08/04	9,356		54,312	0.00	3,312,485	47,998	2,276,010	1.58
01/22/04	9,690		54,646	0.68	3,344,994	32,509	2,308,519	1.62
02/05/04	10,026		54,982	0.06	3,377,510	32,516	2,341,035	1.61
02/19/04	10,357		55,313	1.58	3,410,457	32,947	2,373,982	1.66
03/04/04	10,695		55,651	0.00	3,446,501	36,044	2,410,026	1.77
03/18/04	11,030		55,986	0.33	3,480,890	34,389	2,444,415	1.71
04/07/04	11,509		56,465	0.23	3,524,179	43,289	2,487,704	1.51
04/22/04	11,869		56,825	0.03	3,552,144	27,965	2,515,669	1.30
05/06/04	12,206		57,162	0.00	3,579,927	27,783	2,543,452	1.37
05/19/04	12,522		57,478	0.00	3,607,015	27,088	2,570,540	1.43
06/02/04	12,853		57,809	1.34	3,635,580	28,565	2,599,105	1.44
06/16/04	13,198		58,154	0.00	3,664,594	29,014	2,628,119	1.40
07/08/04	13,715		58,671	2.14	3,708,440	43,846	2,671,965	1.41
07/22/04	14,050	\dashv	59,006	0.18	3,736,245	27,805	2,671,903	
08/12/04	14,554		59,510	0.10	3,730,243			1.38
08/26/04	14,890		59,846			40,970	2,740,740	1.36
		\dashv		0.00	3,803,030	25,815	2,766,555	1.28
09/02/04	15,058		60,014	0.00	3,811,977	8,947	2,775,502	0.89
09/16/04	15,394		60,350	0.09	3,832,211	20,234	2,795,736	1.00
10/07/04	15,902	_	60,858	0.00	3,867,732	35,521	2,831,257	1.17
10/21/04	16,235		61,191	0.65	3,891,217	23,485	2,854,742	1.17

Table 1 Treatment System Metered Volume

ARCO Service Station #0608

		г	ı		<u> </u>		0 14	1
Meter	Hour Meter			System	Volume		Cumulative Volume	
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)		(hrs)	(%)	(gallons)	(gallons)	(gallons)	Rate (gpm)
11/04/04	16,572	 	61,528	0.00	3,917,240	26,023	2,880,765	1.29
11/18/04	16,908		61,864	0.00	3,942,990	25,750	2,906,515	1.28
12/02/04	17,242		62,198	0.57	3,967,880	24,890	2,931,405	1.24
12/16/04	17,579		62,535	0.00	3,994,102	26,222	2,957,627	1.30
12/30/04	17,915		62,871	0.00	4,020,937	26,835	2,984,462	1.33
01/05/05	18,062		63,018	0.00	4,033,820	12,883	2,997,345	1.46
01/19/05	18,396		63,352	0.63	4,063,602	29,782	3,027,127	1.49
02/02/05	18,734		63,690	0.00	4,091,628	28,026	3,055,153	1.38
02/16/05	19,068		64,024	0.45	4,117,922	26,294	3,081,447	1.31
03/02/05	19,406		64,362	0.00	4,146,956	29,034	3,110,481	1.43
03/16/05	19,741		64,697	0.36	4,175,328	28,372	3,138,853	1.41
03/30/05	20,072		65,028	1.28	4,203,345	28,017	3,166,870	1.41
04/07/05	20,263		65,219	0.89	4,219,430	16,085	3,182,955	1.41
04/20/05	20,578		65,534	0.00	4,244,807	25,377	3,208,332	1.34
05/04/05	20,915		65,871	0.00	4,269,751	24,944	3,233,276	1.23
05/18/05	21,057		66,013	57.95	4,279,950	10,199	3,243,475	1.20
06/02/05	21,415		66,371	0.53	4,304,727	24,777	3,268,252	1.15
06/15/05	21,728		66,684	0.00	4,325,824	21,097	3,289,349	1.12
06/23/05	N/A		N/A	N/A	4,337,710	11,886	3,301,235	N/A
07/11/05	22,354		67,310	0.00	4,363,217	37,393	3,326,742	1.00
07/26/05	22,468	m	67,424	68.25	4,369,300	6,083	3,332,825	0.89
08/10/05	22,827		67,783	0.22	4,388,486	19,186	3,352,011	0.89
08/25/05	23,184		68,140	0.94	4,407,134	18,648	3,370,659	0.87
09/07/05	23,497		68,453	0.00	4,421,840	14,706	3,385,365	0.78
09/20/05	23,812		68,768	0.00	4,436,511	14,671	3,400,036	0.78
10/04/05	24,150		69,106	0.00	4,451,324	14,813	3,414,849	0.73
10/18/05	24,483		69,439	1.01	4,465,577	14,253	3,429,102	0.71
11/02/05	24,956	п	69,912	0.00	4,480,107	14,530	3,443,632	0.51
11/16/05	25,178		70,134	34.05	4,495,190	15,083	3,458,715	1.13
11/29/05	25,491		70,447	0.00	4,508,180	12,990	3,471,705	0.69
12/13/05	25,825		70,781	0.00	4,523,250	15,070	3,486,775	0.75
12/27/05	26,163		71,119	0.00	4,538,830	15,580	3,502,355	0.77
01/12/06	26,546		71,502	0.26	4,562,040	23,210	3,525,565	1.01
01/24/06	26,835		71,791	0.00	4,577,920	15,880	3,541,445	0.92
02/08/06	27,195		72,151	0.03	4,595,860	17,940	3,559,385	0.83
02/21/06	27,505		72,461	0.61	4,609,460	13,600	3,572,985	0.73
03/06/06	27,816		72,772	0.22	4,621,920	12,460	3,585,445	0.67
03/22/06	28,199		73,155	0.23	4,637,100	15,180	3,600,625	0.66
04/03/06	28,489	\vdash	73,445	0.00	4,651,630	14,530	3,615,155	0.84
ויייייייייייייייייייייייייייייייייייייי	20,703		17,447	0.00	-10001100	14,550	2,012,133	U.044

Table 1

Treatment System Metered Volume

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

Meter Reading Date	Hour Meter Reading (Hrs)		Total (hrs)	System Downtime ^(k) (%)	Volume Reading (gallons)	Net Volume (gallons)	Cumulative Volume Removed (gallons)	Average Flow Rate (gpm)
04/17/06	28,827		73,783	0.00	4,669,497	17,867	3,633,022	0.88
05/02/06	N/A	n	N/A	N/A	4,686,187	16,690	3,649,712	N/A
05/15/06	29,497		74,453	0.30	4,690,347	4,160	3,653,872	0.10
05/30/06	29,855		74,811	0.53	4,694,809	4,462	3,658,334	0.21
06/13/06	30,189		75,145	0.54	4,694,809	0	3,658,334	0.00
06/27/06	30,524		75,480	0.33	4,697,476	2,667	3,661,001	0.13
07/17/06	31,006		75,962	0.00	4,706,984	9,508	3,670,509	0.33
07/26/06	31,225		76,181	0.00	4,711,695	4,711	3,675,220	0.36
08/09/06	31,556		76,512	1.28	4,719,605	7,910	3,683,130	0.40
08/22/06	31,874		76,830	0.00	4,726,757	7,152	3,690,282	0.38
08/29/06	32,036		76,992	3.15	4,730,248	3,491	3,693,773	0.36
09/12/06	32,371		77,327	0.48	4,731,489	1,241	3,695,014	0.06
09/27/06	32,731		77,687	0.00	4,732,102	613	3,695,627	0.03
10/09/06	33,014		77,970	1.67	4,732,140	38	3,695,665	0.002
10/26/06	33,426		78,382	0.00	4,732,179	39	3,695,704	0.002

REPORTING PERIOD:
PERIOD AVERAGE FLOW RATE (gpm):
PERIOD VOLUME DISCHARGED (gallons):

9/27/06 to 10/26/06

0.002

77

hrs = hours

gpm = gallons per minute

N/A = not analyzed/not applicable/not available

Initial 3-hour startup pumping period May 31, 2000

- a. System restarted 6/5/00 (previously ran 9/25/91 8/21/95)
- b. System down during construction to main sewer line starting 6/25/01.
- c. System restarted 8/14/01 following completion of construction work.
- d. Hour meter reading not recorded. Estimated hours using last 3 months average.
- e. Hour meter reading not functioning.
- f. Hour meter replaced.
- g. An error in the table has been corrected to show correct flow rate values.
- h. System was down upon arrival due to utility power outage.
- i. System restarted 5/30/03 after power restored to system.
- k. Downtime calculated by the following: 100 [(Hours Running in Period) / [(Days in Reporting Period)*(24 hours/da
- I. Data from 11/6/03 site visit is unavailable.
- m. During the period of July 11 to July 26, the GWET system tripped an inlet pressure switch and shut down.
- n. Based on previous readings, the hour meter reading on the field data sheets is incorrect.

ARCO Service Station #0608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
1	uent to primary		, , , , , , , , , , , , , , , , , , ,		(10)	(10)	1 /			(6)
09/26/91	38	4.8	0.6	1.6	1.1					
10/22/91	<30	<0.30	<0.30	<0.30	<0.30					
11/22/91	<30	0.52	<0.30	<0.30	< 0.30					
12/19/91	<30	<0.30	<0.30	< 0.30	< 0.30					
01/16/91	<30	< 0.30	<0.30	<0.30	<0.30					
02/19/92	370	14	0.34	14	2.4					
03/17/92	160	18	0.32	0.56	1.6			7		
04/15/92	200	11	<0.30	7.3	0.77					
05/14/92	45	1.4	<0.30	<0.30	<0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30					
07/14/92	97	25	<0.50	8.5	<0.50					
08/18/92	<50	<0.50	<0.50	<0.50	<0.50					
09/15/92	<50	<0.50	<0.50	<0.50	<0.50					
10/16/92	<50	<0.50	<0.50	<0.50	<0.50					
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					
12/17/92	96	7.7	13	0.56	9.7					
01/18/93	100	13	6.6	1.1	11			<u></u>		
02/22/93	480	36	29	4.9	96				****	
03/15/93	310	29	14	4.9	55					
04/09/93	140	11	2.8	2.6	17					
05/13/93	530	27	12	18	96					
06/04/93	170	5.2	1,6	2.5	23					
07/20/93	200	12	0.91	8.2	29					
08/16/93	150	4.9	0.63	2.9	15					
09/13/93	80	2.2	<0.50	<0.50	4.8					
10/08/93	<50	<0.50	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50					
12/21/93	73	3.5	<0.50	1.9	8.4					
01/18/94	60	3.1	<0.50	3.2	4.3					
02/17/94	<50	2.5	<0.50	2.1	3.1					
03/15/94	<50	<0.50	<0.50	<0.50	<0.50					
04/21/94	110	7.8	<1.0	9.6	<1.0					
05/13/94	230	8.3	<0.50	14	6					
06/14/94	230	12	<0.50	16	1.5					
07/14/94	270	6.9	<0.50	15	1.9					
08/18/94	<50	1.8	<0.50	1.5	<0.50				*****	
09/12/94	<50	<0.50	<0.50	<0.50	<0.50	~~~				
10/18/94	<50	<0.50	<0.50	<0.50	<0.50					
11/05/94	<50	0.66	<0.50	2.6	<0.50					
12/05/94	470	32	0.59	29	6.2					
01/04/95	<50	1.1	<0.50	1.4	<0.50					

ARCO Service Station #0608

Date SRO/TPH Benzene Tolnen Date Light L	Γ				Ethyl-	1				l	
Sample (µg/L)	Date	GRO/TPH-p	Benzene	Toluene	_	Xvlenes	MTBE	COD	TSS	пН	DO
INFL (influent to primary carbon) (cont.) 20/26/95 100		_	l .	[)		_	1
02/06/95 100					(1-6)	(1-8)	(18-)	(======================================	(22-6-2)	(44444)	(118 2)
03/0295 <50					1.2	2.8					
04/04/95 290 6.6 <0.50 10 1.7											
05/02/95											
06/05/95											
08/21/95 230 1.8 <0.50	06/05/95	<50	<0.50	<0.50							
06/05/00 700 7.24 <1.0	07/06/95	270	2.4	<0.50	7.6	1					
07/08/00 133 5.09 0.598 <0.50	08/21/95	230	1.8	<0.50	1.6	0.92					
08/10/00	06/05/00	700	7.24	<1.0	2.11	<1.0	361				
09/08/00 261 2.74 0.826 0.626 <0.50 120	07/08/00	133	5.09	0.598	<0.50	<0.50	272				
10/10/00	08/10/00	144	2.8	<0.50	1.04	<0.50	126				
11/07/00 128 <0.50	09/08/00	261	2.74	0.826	0.626	<0.50	120				
12/05/00	10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5				
O1/04/01 <50	11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	12/05/00	167	0.775	<0.50	<0.50	<0.50	104				
03/08/01 219 <0.50	01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8				
04/18/01 74.5 <0.50	02/06/01	203	0.572	<0.50	0.513	<0.50	80.5				
05/04/01 63.3 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50 <0	03/08/01	219	<0.50	6.16	1.21	0.682	81				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	i	74.5	<0.50	<0.50	<0.50	<0.50	97.5				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2				
08/14/01 290 2.2 3.5 <1.0	06/09/01	64	<0.50	<0.50	<0.50	<0.50	71		****		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	07/05/01	100	<0.50	2.5	<0.50	<0.50	430				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	08/14/01	290				,	870				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							340				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									****		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
3/27/03¹ 110 <0.50		170	<1.0	<1.0	<1.0	<1.0	140				
4/24/03¹ 120 <0.50	2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66				
5/30/03 ¹ 20 <0.50 <0.50 <0.50 <50	3/27/031	110	<0.50	<0.50	<0.50	<0.50	71				
	4/24/03 ¹	120	<0.50	<0.50	<0.50	<0.50	56				
	5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50				
	06/19/03	160			<0.50	<0.50	46				

ARCO Service Station #0608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
INFL (influ	uent to primary	carbon) (c	ont.)							
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22				
12/18/03	52	<0.50	<0.50	<0.50	<1.0	27				
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25				
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27				
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19				
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15				
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	14				
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	15				
01/19/05	84	<0.50	<0.50	<0.50	<1.0	19				
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29	.===			
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19				<u>-</u>
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15		777		
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	9.8				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16				
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15				
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	16				
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					-
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15				
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3				

ARCO Service Station #0608

MID-1 (between primary and secondary carbons) 09/26/91 <30 <0.30 <0.30 <0.30 <th>DO (mg/L)</th>	DO (mg/L)
MID-1 (between primary and secondary carbons) 09/26/91	
09/26/91 <30	
10/22/91 <30	
12/19/91 <30	
01/16/91 <30	
02/19/92 <30	
03/17/92 <30	
04/15/92 <30	
05/14/92 <30	
06/19/92 <30	-
07/14/92	-
08/18/92	-
09/15/92 <	
10/16/92	
11/18/92	
12/17/92 —<	
01/18/93 <	
02/22/93	
03/15/93 <	
04/09/93 -	
05/13/93 06/04/93 07/14/94 ND ND ND ND 08/17/94	
06/04/93 <	
07/14/94 ND ND ND ND ND 08/17/94	
08/17/94	
00/13/04	
09/12/94	
10/18/94	
11/05/94	
12/05/94	
01/04/95	
02/06/95	
03/02/95	
06/05/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
07/08/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
08/10/00 <50 <0.50 <0.50 <0.50 <0.50 <5.0	
09/08/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
10/10/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
11/07/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
12/05/00 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
01/04/01 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
02/06/01 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
03/08/01 <50 <0.50 <0.50 <0.50 <0.50 <2.5	
04/18/01 <50 <0.50 <0.50 <0.50 <0.50 <2.5	****

ARCO Service Station #0608

		T	T	T411			1		l	,
Date	GRO/TPH-g	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	μg/L)	(μg/L)	θεπετιτ (μg/L)	Aylenes (μg/L)	MTDL (μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	tween primary				(#5/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/14/01	<50	<0.50	<0.50	< 0.50	<0.50	<2.5				
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3				
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9				
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26				
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17				
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58				
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55				
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100				
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66				
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130				
3/27/031	<250	<2.5	<2.5	<2.5	<2.5	120				
4/24/031	280	<2.5	<2.5	<2.5	<2.5	110				
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140				
06/19/03	<50	<0.50	<0.50	< 0.50	<0.50	110				
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/23/03	<50	< 0.50	< 0.50	< 0.50	<0.50	<2.5 (1.3) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1				
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2				
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2				
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4				
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6				
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5				

ARCO Service Station #0608

		,								
_		_		Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	tween primary								T	
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9				
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9				
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4				
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
10/18/05	<50	<0.50	<0.50	< 0.50	<1.0	2.1				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50		400		
03/06/06	<50	< 0.50	<0.50	<0.50	<0.50	<0.50				
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
07/17/06	<50	<0.50	< 0.50	<0.50	<0.50	< 0.50				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	< 0.50				
	tween secondar	y and terti								
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/08/00										
09/08/00										
10/10/00										
11/07/00										
12/05/00										
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
06/09/01	<50	<0.50	<0.50	<0.50	< 0.50	<2.5				
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/13/01	<50	<0.50	<0.50	< 0.50	<0.50	<2.5		****		
				- /					L	l

ARCO Service Station #0608

				Ethyl-						
Date	GRO/TPH-g	Веплепе	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
MID-2 (be	tween secondar	y and terti	ary carbor	ıs) (cont.)						
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				-
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5		-		
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1				
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.94				
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95				
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1		***		
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
03/18/04	86	<0.50	<0.50	<0.50	<1.0	< 0.50				
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50				
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				

ARCO Service Station #0608

										T
	GD 0 /mn++	*	r 1	Ethyl-	7* 1		205			
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pH	DO
Sampled	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	ween secondar				-11.0	40. E0			<u></u>	1
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
10/18/05	<50	< 0.50	< 0.50	< 0.50	<1.0	<0.50				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6				
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3				
03/06/06	<50	<0.50 5	<0.50	<0.50	<0.50	3.0				
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7				
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6				
EFFL (efflu	uent to sewer)									•
09/26/91	<30	<0.30	<0.30	<0.30	<0.30					
10/22/91	<30	<0.30	<0.30	<0.30	<0.30					
11/22/91	<30	<0.30	<0.30	<0.30	< 0.30					
12/19/91	<30	<0.30	<0.30	< 0.30	<0.30		 -			
01/16/91	<30	<0.30	<0.30	< 0.30	< 0.30					
02/19/92	<30	<0.30	<0.30	<0.30	<0.30					
03/17/92	<30	<0.30	<0.30	<0.30	<0.30					
04/15/92	<30	<0.30	<0.30	<0.30	<0.30					
05/14/92	<30	<0.30	<0.30	<0.30	< 0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30					
07/14/92	<50	<0.50	<0.50	<0.50	<0.50					
08/18/92	<50	<0.50	<0.50	<0.50	<0.50					
09/15/92	<50	<0.50	<0.50	<0.50	<0.50	L				
10/16/92	<50	<0.50	<0.50	<0.50	<0.50					
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					
12/17/92	<50	<0.50	<0.50	<0.50	<0.50					
01/18/93	<50	<0.50	<0.50	<0.50	<0.50					
02/22/93	<50	<0.50	<0.50	<0.50	<0.50					
03/15/93	<50	<0.50	<0.50	<0.50	<0.50					
04/09/93	<50	<0.50	<0.50	<0.50	<0.50					
05/13/93	<50	<0.50	<0.50	<0.50	<0.50					
06/04/93	<50	<0.50	<0.50	<0.50	<0.50					
07/20/93	<50	<0.50	<0.50	<0.50	<0.50					
08/16/93	<50	<0.50	<0.50	<0.50	<0.50					

ARCO Service Station #0608

T.d1										
	CID C CEDIT		m 1	Ethyl-	,,	LUDE	COD	men.		7.0
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pΗ	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	uent to sewer) (-0.50	40. CD	+0.50 I		.	ı 		
09/13/93	<50	<0.50	<0.50	<0.50	<0.50	****				
10/08/93	<50	<0.50	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50					
12/21/93	<50	<0.50	<0.50	<0.50	<0.50					
01/18/94	<50	<0.50	<0.50	<0.50	<0.50					
02/17/94	<50	<0.50	<0.50	<0.50	<0.50					
03/15/94	<50	<0.50	<0.50	<0.50	<0.50					
04/21/94	<50	<0.50	<0.50	<0.50	<0.50					
05/13/94	<50	<0.50	<0.50	<0.50	<0.50					
06/14/94	<50	<0.50	<0.50	<0.50	<0.50			***		
07/14/94	<50	<0.50	<0.50	<0.50	<0.50					
08/17/94	<50	<0.50	<0.50	<0.50	<0.50					
09/12/94	<50	<0.50	<0.50	<0.50	<0.50					
10/18/94	<50	<0.50	<0.50	<0.50	<0.50					
11/05/94	<50	<0.50	<0.50	<0.50	<0.50					
12/05/94	<50	<0.50	<0.50	<0.50	<0.50					
01/04/95	<50	<0.50	<0.50	<0.50	<0.50					
02/06/95	<50	<0.50	<0.50	<0.50	<0.50					
03/02/95	<50	<0.50	<0.50	<0.50	<0.50					
04/04/95	<50	<0.50	<0.50	<0.50	<0:.50					
05/02/95	<50	<0.50	<0.50	<0.50	<0.50					
06/05/95	<50	<0.50	<0.50	<0.50	<0.50				****	
07/06/95	<50	<0.50	<0.50	<0.50	<0.50					
08/21/95	<50	<0.50	<0.50	<0.50	<0.50					
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5			7.19	
06/12/00	<50									
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	
08/10/00	<50	<0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.25	
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.24	
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	

ARCO Service Station #0608

Fthyl.												
		_		Ethyl-								
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO		
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)		
	uent to sewer) (
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	55	<10	6.89			
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	150	<10	6.98			
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.01			
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	52	<10	7.22			
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.91			
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.77			
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.52			
05/16/02	<50	< 0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.60			
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5						
11/07/02	<50	<0.50	<0.50	<0.50	0.74	<2.5	<30	<10	7.80			
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.0	<30	<10	7.40	0.27		
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<30	<10	7.50			
2/13/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.15	0.12		
3/27/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	0.08		
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23		
5/30/03 ^t	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95			
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75		
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00		
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12		
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70		
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²	<20	<10	6.82	3.45		
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.94	0.84		
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	< 0.50	<20	<10	7.01	0.94		
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85		
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82		
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97		
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50						
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	27	<10	6.69	1.64		
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40		
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.79	0.75		
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.81	1.09		
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	19	7.20	1.20		
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.20	1.20		
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.89	2.60		
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	14	6.95	0.34		
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	6.92	2.00		
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26		
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01		
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75		
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67		

ARCO Service Station #0608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
EFFL (effl	uent to sewer) ((cont.)								
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	< 0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	< 0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	< 0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 ⁴
02/08/06	<50	<0.50	<0.50	< 0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	
05/02/06	<50	<0.50	<0.50	<0.50	<0.50		<30	<10	7.58	4.45
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.54	5.25

Table 2

Treatment System Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)

SYMBOLS AND ABBREVIATIONS:

	=Not applicable/available/sampled
<	=Not detected at or above the laboratory reporting limit.
COD	=Chemical oxygen demand

DO =Dissolved Oxygen, field measurement
GRO =Gasoline Range Organics

µg/L =Micrograms per liter

=Milligrams per liter

mg/L =Milligrams per liter

MTBE =Methyl tert-Butyl Ether

ND =Not detected at or above the laboratory reporting limit

TPH-g =Total purgeable petroleum hydrocarbons as gasoline

TSS =Total suspended solids

FOOTNOTES:

- 1 = Analyzed with EPA Method 8260
- 2 =MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).
- 3= Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- 4 = Value appears to be anomalous
- 5 = Possible high bias due to CCV falling outside acceptance criteria
- 6 = Analyte present in the method blank

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

FIELD AND LABORATORY PROCEDURES

Sampling Procedures

The equipment and sampling methods used for the current sampling event are noted on the attached field data sheets along with the analyses performed. Groundwater samples for O&M reporting are collected from the manifold within the remediation compound, placed into appropriate EPA-approved containers, labeled, logged onto chain-of-custody documents, and transported on ice to a California state-certified laboratory.

Laboratory Procedures

The groundwater samples are analyzed according to the sampling schedules noted on the field data sheets. Samples are analyzed for the presence of GRO (gasoline range organics C4-C12), benzene, toluene, ethylbenzene, and total xylenes, fuel oxygenates, and 1,2-DCA by EPA Method 8260B, and analyzed for other constituents according to the field data sheets. The methods of analysis for the groundwater samples are documented in the certified laboratory analytical report.



24 October, 2006

Alok Kolekar URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland, CA 94612

RE: ARCO #0608, San Lorenzo, CA

Work Order: MPJ0440

Enclosed are the results of analyses for samples received by the laboratory on 10/09/06 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race

Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.





URS Corporation [Arco]	Project: ARCO #0608, San Lorenzo, CA	MPJ0440
1333 Broadway, Suite 800	Project Number: G0C24-0012	Reported:
Oakland CA, 94612	Project Manager: Alok Kolekar	10/24/06 13:48

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Matrix	Date Sampled	Date Received
	Water	10/09/06 09:45	10/09/06 13:40
			10/09/06 13:40
			10/09/06 13:40
			10/09/06 13:40
		33.32.33	10/09/06 13:40
	MPJ0440-01 MPJ0440-02 MPJ0440-03 MPJ0440-04 MPJ0440-05	MPJ0440-01 Water MPJ0440-02 Water MPJ0440-03 Water MPJ0440-04 Water	MPJ0440-01 Water 10/09/06 09:45 MPJ0440-02 Water 10/09/06 09:40 MPJ0440-03 Water 10/09/06 09:35 MPJ0440-04 Water 10/09/06 09:30

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPJ0440 Reported: 10/24/06 13:48

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte Resu	Reporting tlt Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INF (MPJ0440-01) Water Sampled: 10/09/06 09:	45 Received: 1	0/09/06 13	:40					
Gasoline Range Organics (C4-C12) N	D 50	ug/l	1	6J15002	10/15/06	10/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4	95 %	60-	145	Ħ	н	Ħ	Ħ	
MID-1 (MPJ0440-02) Water Sampled: 10/09/06	09:40 Received	: 10/09/06	13:40					
Gasoline Range Organics (C4-C12) N	D 50	ug/l	1	6J15002	10/15/06	10/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4	97 %	60-	145	rr	**	n	u	
MID-2 (MPJ0440-03) Water Sampled: 10/09/06	09:35 Received	: 10/09/06	13:40					
Gasoline Range Organics (C4-C12) N	D 50	ug/l	1	6J15002	10/15/06	10/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4	103 %	60-	145	11	"	11	n	
EFFL (MPJ0440-04) Water Sampled: 10/09/06 0	9:30 Received:	10/09/06	13:40					
Gasoline Range Organics (C4-C12) N	D 50	ug/l	1	6J15002	10/15/06	10/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4	103 %	60-	145	rt	n	n	п	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPJ0440 Reported: 10/24/06 13:48

Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Nate
INF (MPJ0440-01) Water Sc	impled: 10/09/06 09:45	Received: 10	/09/06 13:	40					
tert-Amyl methyl ether	ND	0.50	ug/l	1	6J15002	10/15/06	10/15/06	EPA 8260B	
Benzene	ND	0.50	n	н	n	11	11	n	
tert-Butyl alcohol	ND	20	н	н	*	Ħ	11	H	
Di-isopropyl ether	ND	0.50	11	11	11	*1	*	n	
1,2-Dibromoethane (EDB)	ND	0.50	n	11	*1	77	4	n	
1,2-Dichloroethane	ND	0.50	**	U	*1	n	n	n.	
Ethanol	ND	300	*1	н	a	"	н	It	
Ethyl tert-butyl ether	ND	0.50	u	17	II .	11	H	II	
Ethylbenzene	ND	0.50	11	IP	н	и	11	It	
Methyl tert-butyl ether	3.3	0.50	0	It	н	и	Ħ	n	
Toluene	ND	0.50	n.	и	19	и	If	п	
Xylenes (total)	ND	0.50	H	и) t	н	P	11	
Surrogate: Dibromofluorometho	ine	101 %	75-1	30	n	,,	"	n	
Surrogate: 1,2-Dichloroethane-	d4	95 %	60-1	45	##	н	"	u	
Surrogate: Toluene-d8		99 %	70-1	30	"	"	n	u .	
Surrogate: 4-Bromofluorobenze	ne	99 %	60-1	20	"	"	"	n	
MID-1 (MPJ0440-02) Water	Sampled: 10/09/06 09:4	40 Received:	10/09/06 1	3:40					
tert-Amyl methyl ether	ND	0.50	ug/i	1	6J15002	10/15/06	10/15/06	EPA 8260B	
Benzene	ND	0.50	u .	u	n	IP .	n	U	
tert-Butyl alcohol	ND	20	II .	II .	H	н	11	n	
Di-isopropyl ether	ND	0.50	19	ıt	"		n	D	
1,2-Dibromoethane (EDB)	ND	0.50	н	н	H	11	P	и	
1,2-Dichloroethane	ND	0.50	17	**	†1	H	Ħ	10	
Ethanol	ND	300	19	H	71	*1	11	11	
Ethyl tert-butyl ether	ND	0.50	rt.	н	н	n	11	tr .	
Ethylbenzene	ND	0.50	"	tt	U	17	11	11	
Methyl tert-butyl ether	ND	0.50	ď		0	**	*1	Ħ	
Toluene	ND	0.50	a	P	u	It .	Ø	H	
Xylenes (total)	ND_	0.50	ti .	te	0	п	u	п	
Surrogate: Dibromofluorometha	nne	104 %	75-1	30	11	11	11	"	
Surrogate: 1,2-Dichloroethane-	d4	97 %	60-1	45	n	17	v	tt .	
Surrogate: Toluene-d8		98 %	70-1.	30		n	n	"	
Surrogate: 4-Bromofluorobenze	ne	98 %	60-1	20	"	"	"	n	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPJ0440 Reported: 10/24/06 13:48

Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MID-2 (MPJ0440-03) Water	Sampled: 10/09/06 09:35	Received:	10/09/06 1	3:40					
tert-Amyl methyl ether	ND	0.50	ug/l	1	6J15002	10/15/06	10/15/06	EPA 8260B	
Benzene	ND	0.50		'n	#1	H	И	II	
tert-Butyl alcohol	ND	20	н	н	u	*1	it	n	
Di-isopropyl ether	ND	0.50	H	ŧI	Ø	Ð	11	B.	
1,2-Dibromoethane (EDB)	ND	0.50	IF.	tl	II	H	Ħ	n	
1,2-Dichloroethane	ND	0.50	It	Ħ	н	H	†I	14	
Ethanol	ND	300)+	ŧI	*	**	11		
Ethyl tert-butyl ether	ND	0.50			1+	n	(1	H	
Ethylbenzene	ND	0.50	н	(I	*	ti	tt	п	
Methyl tert-butyl ether	4.6	0.50	н	Ð	H	II.	U	Ħ	
Toluene	ND	0.50	R	u	P	и	Ħ	п	
Xylenes (total)	ND	0.50	и	11	н	н	17	н	
Surrogate: Dibromofluorometha	пе	107 %	75-1.	30	п	н	и	n	
Surrogate: 1,2-Dichloroethane-a	14	103 %	60-14	<i>45</i>	п	H	u	n	
Surrogate: Toluene-d8		99 %	70-1.	30	n	n	"	IJ	
Surrogate: 4-Bromofluorobenzer	ie	100 %	60-12	20	H	n	n	n	
EFFL (MPJ0440-04) Water S	Sampled: 10/09/06 09:30	Received:	10/09/06 13	3:40					
tert-Amyl methyl ether	ND	0.50	ug/l	1	6J15002	10/15/06	10/15/06	EPA 8260B	
Benzene	ND	0.50	H	11	e	0	#	11	
tert-Butyl alcohol	ND	20	н	11	19	D	**	Ħ	
Di-isopropyl ether	ND	0.50	b	H	14	n	n	11	
1,2-Dibromoethane (EDB)	ND	0.50	n	п	H	n	U	II	
1,2-Dichloroethane	ND	0.50	19	u	и	l)	H	11	
Ethanol	ND	300	ti .	u	lt	n	n	H	
Ethyl tert-butyl ether	ND	0.50	19	п	lt .	17	O.	п	
Ethylbenzene	ND	0.50	ti.	U	ıt	n	U	†I	
Methyl tert-butyl ether	ND	0.50	n	II .	к	D	n	11	
Toluene	ND	0.50	ti	tt	н	"	U	ti	
Xylenes (total)	ND	0.50	19	n	u	H	tt.	ti	
Surrogate: Dibromofluorometha	пе	105 %	75-13	30	n	n	u	tt .	
Surrogate: 1,2-Dichloroethane-d	14	103 %	60-1-	15	n	"	u	**	
Surrogate: Toluene-d8		98 %	70-13	30	η	n	¥	tt .	
Surrogate: 4-Bromofluorobenzen	ie	98 %	60-12	20	#	"	"	tr	





Total Suspended Solids

Project: ARCO #0608, San Lorenzo, CA

6J10035

10/11/06

10/11/06

EPA 160.2

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPJ0440 Reported: 10/24/06 13:48

Conventional Chemistry Parameters by APHA/EPA Methods TestAmerica - Morgan Hill, CA

ND

10000

Reporting Result Method Analyte Limit Units Dilution Batch Prepared Analyzed Notes EFFL (MPJ0440-04) Water Sampled: 10/09/06 09:30 Received: 10/09/06 13:40 Chemical Oxygen Demand ND 30000 6J19032 10/19/06 10/19/06 EPA 410.4 ug/l





Project: ARCO #0608, San Lorenzo, CA

MPJ0440 Reported:

Project Number: G0C24-0012 Project Manager: Alok Kolekar

10/24/06 13:48

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control TestAmerica - Morgan Hill, CA

Anator	Dozult	Reporting	T India	Spike	Source	0/DEC	%REC	DDD	RPD	Nese		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch 6J15002 - EPA 5030B P/T / L	UFT GCMS											
Blank (6J15002-BLK1)				Prepared	& Analyz	ed: 10/15/	06					
Gasoline Range Organics (C4-C12)	ND	50	ug/l									
Surrogate: 1,2-Dichloroethane-d4	2.29		11	2.50		92	60-145					
Laboratory Control Sample (6J15002-B	S1)			Prepared	& Analyz	ed: 10/15/	06					
Gasoline Range Organics (C4-C12)	838	50	ug/]	700		120	75-140					
Surrogate: 1,2-Dichloroethane-d4	2.17	***************************************	11	2.50	~~~~	87	60-145					
Laboratory Control Sample (6J15002-B	S2)			Prepared & Analyzed: 10/15/06								
Gasoline Range Organics (C4-C12)	396	50	ug/l	440		90	75-140					
Surrogate: 1,2-Dichloroethane-d4	2.35		н	2.50		94	60-145					
Matrix Spike (6J15002-MS1)	Source: M	PJ0441-04		Prepared	& Analyzo	ed: 10/15/	06					
Gasoline Range Organics (C4-C12)	1290	50	ug/l	700	ND	184	75-140			LM		
Surrogate: 1,2-Dichloroethane-d4	2.77		н	2.50		111	60-145					
Matrix Spike Dup (6J15002-MSD1)	Source: M	PJ0441-04		Prepared	& Analyz	ed: 10/15/	06					
Gasoline Range Organics (C4-C12)	1340	50	ug/l	700	ND	191	75-140	4	20	LM		
Surrogate: 1,2-Dichloroethane-d4	2.70		Ħ	2,50		108	60-145		***************************************			





Project: ARCO #0608, San Lorenzo, CA

MPJ0440 Reported: 10/24/06 13:48

Project Number: G0C24-0012 Project Manager: Alok Kolekar

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J15002 - EPA 5030B P/T / E	PA 8260B									
Blank (6J15002-BLK1)				Prepared	& Analyze	d: 10/15/0)6			
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	H							
Di-isopropyl ether	ND	0.50	н							
1,2-Dibromoethane (EDB)	ND	0.50	н							
1,2-Dichloroethane	ND	0.50	11							
Ethanol	ND	300	н							
Ethyl tert-butyl ether	ND	0.50	*							
Ethylbenzene	ND	0.50	H							
Methyl tert-butyl ether	ND	0.50	U							
Toluene	ND	0.50	u							
Xylenes (total)	ND	0.50	U							
Surrogate: Dibromofluoromethane	2,51		15	2.50		100	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.29		II.	2.50		92	60-145			
Surrogate: Toluene-d8	2.48		11	2.50		99	70-130			
Surrogate: 4-Bromofluorobenzene	2.46		"	2.50		98	60-120			
Laboratory Control Sample (6J15002-B	S1)			Prepared	& Analyze	d: 10/15/0	06			
tert-Amyl methyl ether	47.4	0.50	ug/l	50,0		95	65-135			<u>, </u>
Benzene	9.72	0.50	н	10.0		97	70-125			
tert-Butyl alcohol	925	20	H	1000		92	60-135			
Di-isopropyl ether	44.0	0.50	u	50.0		88	70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	H	10.0		102	80-125			
1,2-Dichloroethane	9.66	0.50	ø	10.0		97	75-125			
Ethanol	956	300	n	1000		96	15-150			
Ethyl tert-butyl ether	46.4	0.50	н	50.0		93	65-130			
Ethylbenzene	11.2	0.50	19	10.0		112	70-130			
Methyl tert-butyl ether	49.4	0.50	**	50,0		99	50-140			
Toluene	10,7	0.50	19	10.0		107	70-120			
Xylenes (total)	33.0	0.50	11	30.0		110	80-125			
Surrogate: Dibromofluoromethane	2.51	<u></u>	"	2.50		100	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.17		и	2.50		87	60-145			
Surrogate: Toluene-d8	2.54		n	2.50		102	70-130			
Surrogate: 4-Bromofluorobenzene	2.52		11	2,50		101	60-120			





Project: ARCO #0608, San Lorenzo, CA

Spike

Project Number: G0C24-0012 Project Manager: Alok Kolekar

Source

%REC

MPJ0440 Reported: 10/24/06 13:48

RPD

Volatile Organic Compounds by EPA Method 8260B - Quality Control TestAmerica - Morgan Hill, CA

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes			
Batch 6J15002 - EPA 5030B P/T / E	PA 8260B			*********				•					
Matrix Spike (6J15002-MS1)	Source: MF	J0441-04		Prepared	& Analyze	ed: 10/15/	06						
tert-Amyl methyl ether	61.7	0,50	ug/i	50.0	ND	123	65-135						
Benzene	15.2	0.50		10.0	ND	152	70-125			LM			
tert-Butyl alcohol	1110	20	н	1000	ND	111	60-135						
Di-isopropyl ether	56.7	0.50	н	50.0	ND	113	70-130						
1,2-Dibromoethane (EDB)	12.7	0.50	11	10.0	ND	127	80-125			LM			
1,2-Dichloroethane	14.3	0.50	"	10.0	ND	143	75-125			LM			
Ethanol	1090	300	11	1000	ND	10 9	15-150						
Ethyl tert-butyl ether	62.4	0.50	*1	50.0	ND	125	65-130						
Ethylbenzene	18.4	0.50	41	10.0	ND	184	70-130			LM			
Methyl tert-butyl ether	153	0.50	*	50.0	ND	306	50-140			LM			
Toluene	14.0	0.50	*1	10.0	ND	140	70-120			LM			
Xylenes (total)	53.8	0.50	ø	30.0	ND	179	80-125			LM			
Surrogate: Dibromofluoromethane	2,77		"	2,50		111	75-130						
Surrogate: 1,2-Dichloroethane-d4	2,77		"	2,50		111	60-145						
Surrogate: Toluene-d8	2.62		U	2.50		105	70-130						
Surrogate: 4-Bromofluorobenzene	2.67		"	2.50		107	60-120						
Matrix Spike Dup (6J15002-MSD1)	Source: MF	J0441-04		Prepared	red & Analyzed: 10/15/06								
tert-Amyl methyl ether	62.4	0,50	ug/l	50.0	ND	125	65-135	1	25	· · · · · · · · · · · · · · · · · · ·			
Benzene	15,6	0.50		10.0	ND	156	70-125	3	15	LM			
tert-Butyl alcohol	1120	20	R	1000	ND	112	60-135	0.9	35				
Di-isopropyl ether	57.8	0.50	ıt	50.0	ND	116	70-130	2	35				
1,2-Dibromoethane (EDB)	12.9	0.50	н	10.0	ND	129	80-125	2	15	LM			
1,2-Dichloroethane	14,4	0.50	"	10.0	ND	144	75-125	0.7	10	LM			
Ethanol	1200	300	4	1000	ND	120	15-150	10	35				
Ethyl tert-butyl ether	64.1	0.50	н	50.0	ND	128	65-130	3	35				
Ethylbenzene	18.8	0.50	17	10.0	ND	188	70-130	2	15	LM			
Methyl tert-butyl ether	155	0.50	и	50,0	ND	310	50-140	1	25	LM			
Toluene	14.5	0.50	ц	10.0	ND	145	70-120	4	15	LM			
Xylenes (total)	53.8	0.50	п	30.0	ND	179	80-125	0	15	LM			
Surrogate: Dibromofluoromethane	2.74		"	2.50		110	75-130						
Surrogate: 1,2-Dichloroethane-d4	2.70		"	2.50		108	60-145						
Surrogate: Toluene-d8	2.64		**	2.50		106	70-130						
Surrogate: 4-Bromofluorobenzene	2.62		"	2.50		105	60-120						





Project: ARCO #0608, San Lorenzo, CA

MPJ0440 Reported: 10/24/06 13:48

Project Number: G0C24-0012 Project Manager: Alok Kolekar

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6J10035 - General Preparation /	EPA 160.2									
Blank (6J10035-BLK1)				Prepared &	& Analyze	d: 10/11/	06			
Total Suspended Solids	ND	10000	ug/l							
Duplicate (6J10035-DUP1)	Source: MI	J0421-01		Prepared &	& Analyze	d: 10/11/	06			
Total Suspended Solids	ND	10000	ug/l		4300				20	
Batch 6J19032 - General Preparation /										
Blank (6J19032-BLK1)				Prepared &	& Analyze	d: 10/19/	06			
Chemical Oxygen Demand	ND	30000	ug/l							
Laboratory Control Sample (6J19032-BS1)				Prepared d	& Analyze	d: 10/19/	06			
Chemical Oxygen Demand	116000	33000	ug/l	111000		105	75-120			
Duplicate (6J19032-DUP1)	Source: MI	J0375-03		Prepared d	& Analyze	d: 10/19/	06			
Chemical Oxygen Demand	492000	30000	ug/l		500000			2	23	
Matrix Spike (6J19032-MS1)	Source: MF	J0440-04		Prepared &	& Analyze	d: 10/19/	06			
Chemical Oxygen Demand	142000	33000	ug/l	111000	14000	115	75-120			
Matrix Spike Dup (6J19032-MSD1)	Source: MI	2J0440-04		Prepared & Analyzed: 10/19/06						
Chemical Oxygen Demand	122000	33000	ug/l	111000	14000	97	75-120	15	15	





URS Corporation [Arco]	Project: ARC	CO #0608, San Lorenzo, CA	MPJ0440
1333 Broadway, Suite 800	Project Number: GOC	C24-0012	Reported:
Oakland CA, 94612	Project Manager: Alol	ok Kolekar	10/24/06 13:48

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

	bp
--	----

Chain of Custody Record

Project Name: Station 608 - O
BP BU/AR Region/Enfos Segment: Station 608 - O&M - Remediation

State or Lead Regulatory Agency: Oro
Requested Due Date (mm/dd/yy): Oro Loma Sanitary District

(14- day TAT)

	Pageof	_
n-zite Time:	Temp:	
)ff-site Time:	Temp:	_
ky Conditions:		
leteorological Events:		
Vind Speed:	Direction:	_

Lab Name: Sequoia	Analytical (Morgan H	ill)				BP/AR Facility	٧a.:		Stat	ion 6	08							onsi	:ltant/	Cont	ector	:	URS C)eklan	d		
Lab Address: 885 Jac	rvis Drive			-		BP/AR Facility	Addres	5:	176	01 H	csper	ian B	lvd,	San 1	Lorer	ZO	A	ddre	:55:				1333 E	3rondy	vay, Sui	te 800	
	Morgan Hill, CA					Site Lat/Long:	37.	67388	38/-	122.1	23	٠											Oaklar	ıd CA	94612		
Lab PM: Lisa Race						California Globa	IDN	o.;	TOO	0100	085							Consi	ıltant/	Conti	ractor	Proje	ct No.:	3	B48759	3	
Tele/Fax: 408-782-8						Enfos Project No	ı.:	GOC	24-(0012								Consi	iltant/	Cont	ractor	PM:		*	Jok Kol	ekar	
BP/AR PM Contact:						Provision or RC	OP : P1	ovisio	on									elc/l	ıx:					5	10.893.	3600/510.8	74.3268
Address:	P.O. Box 6549	· · · · · · · · ·				Phase/WBS:	03	- O&3	M										t Typ							nd EDF	
·	Moraga CA 94570		•			n . 1 . Tol			1.47.														cor@urs				
Tele/Fax: 925.299.8891/925.299.8872					Sub Phase/Task: Cost Element:		- Ana - ՏսԽ			Con	10											bpedf@			d-Co(circ		
Lab Bottle Order N					Matrix	Cust Elethent.	103	7		rese				_		R			Analy		uitati	ure	r or An	antic	iggmise	170'7ciu	ne one)
Item No.	Sample Des	cription	Пте	Date	Soil/Solid ·	Laboratory N	No. of Containers	Unpreserved			HCI	Methanol		ВТЕХ/Оху/ТРН (8260)	COD (410.4)	TSS (160.2)										Lat/Long ments	and
1	INF	•	9:34	19/1/1	х	ij	7	3	Ī		х			х			寸		十	十	T	T					
2	MID-1	,	9:40	1	х	02	_	3	1	 	х			X			_	\dashv	\top	╅	<u> </u>	\top			-		
3	MID-2	•	7:35	$\vdash \vdash$	x	63	_	3		\top	x			х	_		\top	\dashv	+	+		╁	ļ				
4	EFFL		5:30		x	ev4	_	3		 	X			х	-	+	十		+	╅	+-	+	 				
5	EFFL	<u> </u>	93/0	\vdash	x			x			_			<u> </u>	-	x	-	1	+	+	+-	╁	1				
6	EFFL	•	9:10		x		╁	╫	х					Н	x	$^{\sim}$	+			+		╁					
7	TRIP BLANK		F. 33	1	x	05	╢.	;├─	^-	\vdash	x			\vdash	^		+	+	+	╫	╁	┪					
8	TRIF BLANK				╂═╬┼	P4	╫	╢—	├	 	<u>^</u>			\vdash				-	_		+-	╁	HOLI				_
9					╫┼┼		╢	-		\vdash				-					-	+		╁╌	l				
10		<u> </u>	\blacksquare	 -	╫┼┼		╬	-		-	<u> </u>				_		-	-		┰	+	╁					
	RICHAMA	101111		l	<u> </u>	T2-1	inquish	<u> </u>	145		<u> </u>	<u></u>		ليط	ita	Tim	_	N.		1	<u>'</u>	1	Affiliatio			Date	Time
Sampler's Name: Sampler's Compan	W / JAC	0 H .	1 P			, Kei	กสุเนรเ	ец Бу	1/1/11	TOBILO	n					734					<u> Серие</u> // //	_	AIDUANO	<u> </u>			
Shipment Date:	3. C//-j	-,0,,						/						7/9/	108	<u>7 ינ ע</u>	4	44	yee	ک :	<u> </u>	سر_	{			10 ¹	348
mment Method:							ν							_			╬						\vdash			-	
Tracking															_		╁								·	1	
Hons	:								*******													-			· · · · · · · · · · · · · · · · · · ·	and there	·
																											
	No_				Temp Bl	ank Yes_X N	0				Coc	oler T	emp	erat	ure c	n Rec	ceipt	3	′_°F	C)		Tri	p Blank	Yes	X No)	
	~. 17 <i>1</i> 1	. O 1	1 1	137 11		DD/Atlantic Dick			m: 1	_				. 1 444													

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: 150 1608 REC. BY (PRINT) WORKORDER: 1175099	40	DATE REC'D AT LAB: TIME REC'D AT LAB: DATE LOGGED IN:		6 	··.	For Regulatory Purposes? DRINKING WATER YES / NO WASTE WATER YES / NO		
CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE#	CLIENT ID	CONTAINER : DESCRIPTION		SAMPLE MATRIX	DATE SAMPLED	REMARKS: : CONDITION (ETC.)	
Custody Seal(s) Present (Absent)	الا	INF	300PD .	146		10/9		
Intact / Broken*	02:	mio-1.	Strint "	Sun-				
2. Chain-of-Custody Present / Absent*	73	M10Z					•	
3. Traffic Reports or	ьц	· EFL	J .	1				
Packing List: Present (Absent)	ьТ	CHL.	IL POLY					
4. Airbill: Airbill / Sticker	de	C.P.L	500 me Ri	172304	·		. :	
Present /(Absent	.65	.78	2 VOA		4	• 🖤		
5. Airbill #:)					
6. Sample Labels; Present Absent		-	·			٠.		
7. Sample IDs: Listed / Not Listed)	
on Chain-of-Custody			:		,			
8. Sample Condition: Intact Broken*/		•	,,				· \	
Leaking*			<u> </u>)	
9. Does information on chain-of-custody,							1	
traffic reports and sample labels			-					
agree?(Yes / No*		•	17	xt	·			
10. Sample received within			100			•		
hold time? . Yes / No*	-	16/1	ا				ļ	
11. Adequate sample volume				•				
received? Yes / No*		/		1-	-			
12. Proper preservatives used? (Yes / No*								
13. Tip Blank / Temp Blank Received?								
(circle which, if yes) Yes / No*						·		
14. Read Temp: S-IC		-					S	
Corrected Temp:	/	.; •						
Is corrected temp 4.+/-2°C? Yes / No**		•				, .		
Acceptance range for samples requiring thermal pres.)	<u></u>	•						
**Exception (if any): METALS / DFF ON ICE	-							
าก Problem COC	,							
Anternative and the state of th	tic oldo							

dalon 8 7 (07/19/05)

FIELD SERVICES / ROUTINE O&M REQUEST

Identification Project # 38487590 Cost Code: 0033501 Station# ARCO 0608 Site Address: 17601 Hesperian Blvd. County: San Lorenzo CA Project Manager: Donna Cosper (874-3019) Lead Engineer: Amber Budd (874-1769) Client: BP Client P.O.C.: Paul Supple Revision Date: 2/13/2006 Laboratory: Sequoia Site Remedial Technologies: Groundwater Extraction (GWE) Permit Type: POTW Complete attached Data Sheets as prescribed in the following table:

Data Sheet Section(s) / Part(s)	To be Completed	Budgeted Hrs	Actual Hrs	Mob-de Mob	Completed
GWE (A, B, E)	Every Visit	•		-	
GWE (C, D, G)	Monthly			,	
GWE (F)	Quarterly				

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Commens.	
Departure Check:	
Sample Ports Closed: Yos	No
Gate Locked:	No
Sample Ports Closed: Gate Locked: System Controls in Auto Mode:	No ·
System Under Compliance:	
	(If no, was the Engineer/PM contacted?)
Field Technician Response:	10/9/01
Completed by	Date:
Arrival time: VK(MUNTILV	Departure time:
Sample this visit?:	Engineer contacted?

Date: 10/9/06

Groundwater Extraction & Treatment System ARCO Service Station No. 0608 17601 Hesperian Blvd. San Lorenzo CA

System Description:

				Grout	idwater Ext	raction Well	5 '				
	Extraction	Size	Туре	Control	Screen	Set Depth	Well			1	
	Well				Interval	(TOB)	Online				
							(Yes/No)	Totalizer R	eading (gallons		
			Electric	_							
	E-1A	3"	(Grandfos	Auto	į.	23.9		j	•		
	[]	•	5SQ05A-180)		l					٠	
System on u System on d Filter Chang	Required: SYSTEM DA' pon arrival? eparture?		Carbon Vessels: Filter: Rosedale pH meter, condu	P2 25 micn etivity and t	on temp meter, y (if no, spe (if no, spe	water level m wify reason in wify reason in	ı comments) ı comments)		F BACKPLUS	HED OR	
1			,	Cit Mich	TAND	*	ON DIA		CHANGED	MED OK	
TOTALIZE			97	321	90			·	CATALOGED.		
		DING (kWh)	4	92	63	N/A					
Hour Meter	Reading (hrs)		73	7014	<i>'</i> U			1	√A.		
	LET PRESSU		(Change filter if	pressure > 3	30 psig)	2	After chang	ing filter =		1	
		SSURE (psig)	(Backflosh if pr	essure > 20 j	psig)	,	After backfl	ush=			
		SSURE (psig)	(Backflush if pr	essure > 10 p	osig)		After backfl	ush =			
CARBON#	3 INLET PRE	SSURE (psig)	(Backflush if pr		U	ſ	After backf	ush =	· · · · · · · · · · · · · · · · · · ·		
DISCHARC	ie pressuri	E (psig)			D		l		,		
eff flow	RATE (gpm)	•	0.	20	CPM				······································		
PART B:	COMMENT	S	,								

. E-1A	Size	Time	DTW (Feet) T	D (Feet)	
			2111 (1000)	D 11 001)	
UST-A			† · · · · · · · · · · · · · · · · · · ·		
UST-8					
SP1-V4					
	-		1		
	•				
ልሽም እን - መ ልእልክም ነ					
ARI D: SAMPLI	ING & READINGS (Monthly	during week 1)		THERE	
			nologica kikomiekanekia	E(OMP)	
VELUENT	GRO/BTEX /Fuel Oxys, E	TPA 8260 14-day TAT	3X40 mL HCl VOA's	V/, 1	
IID 1.	GRO/BTEX /Fuel Oxys, E	··	3X40 mL HCl VOA's		
IID 2				177	
IID Z	GRO/BTEX /Fuel Oxys, E		3X40 mL HCl VOA's	70	
FFLUENT	GRO/BTEX /Fuel Oxys (F TSS (160.2), 14-day TAT	SPA 8260), COD (410.4),	3X40 mL HCi VOA's,	<i>Y(f</i>	
PEUENI	155 (160.2), 14-aay 1A1		lumpreserved, 1 H ₂ SO ₄	1 235	
RIP BLANK	GRO/BTEX, EPA 8260 (o	n Hold)	3X40 mL VOA supplied by the lab	186	
			JORTO LILE VOR Supplied by Life land	1 2	
		•			
A DONE OF COMME		4.4			
	MAINTENANCE (Every Vis				
	9 l /#		SWebt7 \//	7	
	² //	A Enclosure	<i>Vh</i>	J	
ump Pump Tested		<i>F</i> 1	Pressure Switch?) ' 7	
ump Pump Tested	nat Switch?	Test Filter	Pressure Switch?) [].	
mp Pump Tested	nat Switch?	Test Filter		} } }	

Temperature (°F):

Electrical Conductivity:

Dissolved Oxygen (ppm):

PART G: READINGS (Monthly during week 1)

| PH (UNITS):

EFFLUENT

permit limits:



Chain of Custody Record

Station 608 - O&M - Remediation

Project Name: BP BU/AR Region/Enfos Segment: Retail Oro Loma Sanitary District

State or Lead Regulatory Agency: Oro
Requested Due Date (mm/dd/yy): (14 day TAT)

On-site Time: Temp: Off-site Time: Temp: Sky Conditions: Meteorological Events: Wind Speed: Direction:

																											
Lab Name; Sequoia A	Analytical (Morgan Hill)					BP/AR Facility No	J.;		Sta	ation (508	•						Con	sulta	nt/C	ontr	actor	7	URS Oakle	ınd		
Lab Address: 885 Jar	vis Drive	•	•			BP/AR Facility Address: 17601 Hesperian Blvd, San Lorenzo						Address: 1333 Broadway, Suite 800															
	Morgan Hill, CA					Site Lat/Long: 37.673888 / -122.123												Oakland C	A 94612		• ;						
Lab PM: Lisa Race	•					California Global I				0010															38487590) _.	
Tele/Fax: 408-782-8156/408-782-6308						Enfos Project No.:				-0012								Con	suita	nt/C	ontre	actor	PM:		Alok Kol	ekar	
h	P/AR PM Contact: Paul Supple						? : Pr	ovis	ion										/Fax		•				510.893.3	3600/510.	74.3268
Address:	P.O. Box 6549					Phase/WBS:	03	- 0&	ΔM													C Le			Level 1 ar	nd EDF	
	Moraga CA 94570		•			Sub Phase/Task:	ná.	- Ams	alytic	cal														kur@urscorp ı, bpedf@bro		eom	
Tele/Fax:	925.299.8891/925.299.8872					Cost Blement:				tractor	r Cos	sis						Luvo	ice to	: C	00.SU	ltuni	or E	P or Atlantic	Richfield	Co. (cir	(ano alc
Lab Bottle Order No) :			M	itrix		Π	T		Prese	rvat	ive				Į		estec			_			T T	-		
Item No.	Saniple Description	Time	Date .	Soil/Solid	Weter/Liquid Air	Laboratory No.	No. of Containers	Unpreserved	H ₂ SO ₄	HNO	HCI	Methanol	4	BIEX/Oxy/TPH (8260)	COD (410.4)	TSS (160.2)	٠		٠					Samp	le Point I Comm	Lat/Long nents	and
1	INF	9:47	10/1/2	K			7		T		X			х									T				
2	MID-1	9:40	1	X			3		1	 	X		————	х				T				İ					
3	MID-2	9:35		Tx			3		\dagger	 	x	\Box		X	_								T				
4	EFFL	5:10		x	_		-3		Ι.		x		\neg	x			7						Н				
5	EFFL	970		x			1	x		-					7	x	寸	_						 			
6	effl	9170		x			1		X		_				x		7		_	\neg				 	· ·		
7	TRIP BLANK	5. 00	4	x	$\overline{}$			 		†	x	H	-1			_	-	\dashv		ᅥ			 	HOLD			
8	run DD/HAIL	<u> </u>	1	H				-	-	+-	Λ.			•		\dashv	ᅱ		\dashv				\vdash	מבוטבון		-	
9	•	-	 		+-		H	<u> </u> -	\vdash	+		\vdash			\dashv		\dashv	+	╌┼	ᅱ			_			······································	
10		-	 -		-			-	├-	-			╢	\dashv	┪		ᆉ	+		-	\dashv			ļ			
	RICHANA MILL	-1/	<u></u>	<u> </u>		Relinq	-1-1-0	A Bu	/ A FG	400				Da	-	Tin	-	0					Do. //	Affiliation	· ·	77-40	Time
Sampler's Company:		21.6	• • • • • • • • • • • • • • • • • • • •	<u> </u>				~>/	7.70	TI ALLO	·					13:4		rìn.	40		-61-2	岩		innikiton .		Date	348
Shipment Date:	0,3.00,1	•						1			-		-	727		2.7	1		40	=	<u> </u>	٧٧	۲			10/7	I RESELO
Shipment Method:									_				╢		┯∦		╼╟	=	•					·			
Shipment Tracking 1	Vo:				$\overline{\cdot}$								-#		_		╢	•		- ;				 		<u> </u>	
Special Instructions:							٠.		** **			,				,						_					
Custody Scals In Pla	ce YesNo			Temp	Blan	k Yes X No					Coo	ler To	mpe	ratu	re oi	ı Rec	eipi		<u>°</u>	:/C			Trip	Blank Yes	X No		

•	FIELD :	SERVICES	/ DOTTOR	TE 0.24		
<u>Identification</u>		SERVICES	/ KOUIII	AR OSEM	REQUI	EST
. 79	•					
Project#		38487590	Cost Code	: 003350	11	
Station #	•	ARCO 0608	}	• 002230	1	•
Site Address:		17601 Hesp				
County:		San Lorenzo		•		
Project Manager:			cr (874-3019			
Lead Engineer:		Ambar Dad	CF (8/4-3019)	·	
Client:		Amber Budo	(874-1769)			
Client P.O.C.:		BP			٠	
Revision Date:		Paul Supple	•			
	•	2/13/2006				
Laboratory:		Sequoia				
Site Remedia	al Téchnolos	ries · Gros	mdwataw	1 77	, , , , , , , , , , , , , , , , , , , ,	
Permit Type	: POTW	OIOI	muwater	LXITAC	non (G	WE)
Complete attached	Data Sheets as p	rescribed in th	e following s	nhla		
Scheduling Table			e soutowing L	abre;		•
		<u>. N</u>	.		•	
Data Sheet	To be	Budgeted Hrs	Actual Hus	Mob-de Mob	Completed	1
Section(s) / Part(s)	Completed]		
GWE (A, B, E)	E			<u> </u>	<u> </u>	١.
C (11 (27, 13, 15)	Every Visit					
- <u>-</u>		·				,
GWE (C, D, G)	Monthly		•			
GWE (F)	Quarterly					
Monthly = once a n	nonth during wex					
Quarterly = once ev	ery quarter durin	g months 1.4.	7.10			
Comments:						
						
		<u>_</u>				
D- 1 m -	•					
Departure Check:		\sim			-	
Sample Ports Closed Gate Locked:	··	(es)	Vo			
		Çe 1	Vo.			
System Controls in A	Auto Mode:	es N	To			
System Under Com	nliance			• •		
	pandice.		fno w 4 - F			
Walama in a		(1.	fno, was the E	ngineer/PM	contacted?)	
Field Technician Re	sponse:	1			4/01	<i>(</i>)
· · · · · · · · · · · · · · · · · · ·	C. MURLO	<u>/</u> D	ate:	[4	714/6	1/
Completed by:	R30	D	eparture time	: -	1011	
Arrival time:	10		ngineer conta		13/1	
Sample this visit?;					10	

Date: 10/26/06

Groundwater Extraction & Treatment System ARCO Service Station No. 0608 17601 Hesperian Blvd. San Lorenzo CA

System Description:

Extraction		T	Groun	ulwater Ext	raction Well	is ·		
Well	Size	Туре	Control	Screen Interval	Set Depth	Well]
		<u>. </u>	i	Inter Asi	(TOB)	Online		ŀ
E-1A	.3"	Electric (Grundfos 5SQ05A-180)	Auto		23.9	(Yes/No)	Totalizer Reading (gallons	

Abatement D	evice:
-------------	--------

Carbon Vessels: three ASC-2,400 lbs Filter: Rosedale P2 25 micron

Equipment Required: .

pH meter, conductivity and temp meter, water level meter

FARL A:	SYSTEM	DATA	(twice a	month	during	week I	& 3)
---------	--------	------	----------	-------	--------	--------	------

System on upon arrival? System on departure? Filter Changed?	V65/10	(if no, specify reason in comments) (if no, specify reason in comments)

MEASUREMENT	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR
TOTALIZER (gallons) ELECTRIC METER READING (kWI	4732/79	FILTER CHANGED
Hour Meter Reading (hrs)	7 7501	. N/A
FILTER INLET PRESSURE (psig)	49501 M 33826.	Y N/A
CARBON #1 INLET PRESSURE (psi	(Change filter if pressure > 30 psig) 20	After changing filter =
CARBON #2 INLET PRESSURE (psi	(Backflych if manners and and a	After backflush =
CARBON #3 INLET PRESSURE (psig		After backflush =
DISCHARGE PRESSURE (psig)	(Backflush if pressure > 10 psig)	After backflush =
FF FLOW RATE (gpm)	0.20 (M	

(BPILLY	0.20 6M	
PART B: COMMENTS		
•		

PART C: WELL DATA (Monthly)

* Allow system to run 1 hour before obtaining DTW readings

Well ID	<u> </u>	·	- readings			
E-1A		Size	Time	DT	W (Feet)	
UST-A				7	(r (reet)	TD (Feet)
UST-B	_ \					
SP1-V4			- <u>-</u> -			
			<u></u>	/		·
			,	/		
ART D: SAMP	INC & HEAD					
a susuites	AND WEADING	GS (Monthly dur	ing week 1			
						- Contract - of Francisco
FLUENT	CPOPTE					Here Legions
D 1	GACABILA	/Fuel Oxyx, EPA	8160, 14-day TAT	334	0 mL HCI VOA	
	GROARLEX	/Fuel Oxys EPA	8260 14 20 242			
D 2	KGRO/BTEX	Fuel Over Fue	0260 1	3X41	mL HCI VOA's	
Ef firen			8260) COD (410 4)	3X40	mL HCI VOA's	
FLUENT	TSS (160,2),	14-day TAT	, COL (410A),		mL HCI VOA's	
IP BLANK	, f			Impr	eserved, I H ₂ SO	
II DEALTH	GRO/BTEX	EPA 8260 (on Hol	id)	2740		
				/ JONAU MIL V	OA supplied by	the lab
RT E: SYSTEM Tested? Compound Float		MA	Enclosu	re Swept?		111
_	n Switch?	VKI	Test Fil	er Pressure Swit		6/
Solenoid Valve?		-/-///			1 1/1/	37.
_ '_		1/10	Number	of Spare Filters	On Site?	1
						
				•	/	
TF: SYSTEM	AINTENANDE	(Months 1, 4, 7, 1	ıa.	1		
iersible Pumps (hecked?	(1.7, 7, 1				
rol Logics Check			Flow Tot	alizers Cleaned?		
- SI Dogica Cheek	603				 -	•
		<u> </u>	/		ł	
•	• •			•		
C. Brins	_		\checkmark			
G: READINGS	(Mouthly durin	g week 1)				
	pH (UNITS):		mperature (°F);	Electrical	····	
	I	Ā		Conductivity:	Dissolv	ed Oxygen
UENT	<u>L</u>	/ 1				
UENT		/ -		Conductivity;	(ppm):	
UENT	5.5 to 12.5	150		Conductivity:	(ppm):	

URS

December 8, 2006

Mr. Jeff Carson Oro Loma Sanitary District 2600 Grant Avenue San Lorenzo, CA 94580

Re: Monthly Discharge Report - November 2006

Discharge Permit #SDP-037 ARCO Service Station #0608 17601 Hesperian Boulevard San Lorenzo, California State ID #779

Dear Mr. Carson:

On behalf of Atlantic Richfield Company, a BP affiliated company, URS Corporation (URS) is operating a groundwater extraction and treatment (GWET) system at the above-referenced site. This letter transmits GWET system operational data for the period from October 26, 2006, through November 10, 2006 (Tables 1 and 2). Operational parameters are summarized below.

Treatment System Status: Operational through 11/10/06

Reporting Period: 10/26/06 to 11/10/06

Volume Discharged this period: 1 gailon
Effluent pH Reading: 7.03
Average Flow Rate this period: 0.00 gpm

Analytical Report: Attachment A

O & M Field Information: Attachment B

DISCUSSION:

Monthly compliance samples were collected on November 10, 2006, from the influent water stream (INF), between the first and second carbon vessel (MID-1), between the second and third carbon vessel (MID-2), and from the effluent (EFF). The samples were analyzed for gasoline range organics, benzene, toluene, ethylbenzene, total xylenes, and fuel additives by EPA Method 8260B.

During the November 10, 2006, compliance sampling event, the INF sample detected methyl tert-butyl ether (MTBE) at a concentration of 6.6 micrograms per liter (μ g/L). The MID-2 sample detected MTBE at 3.7 μ g/L. No other fuel components were detected at or above their respective laboratory reporting limits in November.

URS Corporation 1333 Broadway, Sulte 800 Oakland, CA 94612-1924 Tel: 510.893.3600 Fax: 510.874.3268

URS

The December 2006 Monthly Discharge Report will be submitted no later than January 10, 2007. If you have any questions regarding this project or require further information, please do not hesitate to call Alok Kolekar at 510-874-3152.

Sincerely,

URS CORPORATION

Alok D. Kolekar, P.E. Project Manager

Attachments: Table 1 - Treatment System Metered Volume

Table 2 - Treatment System Analytical Data

Attachment A - Certified Analytical Report and Chain-of-Custody

Documentation

Attachment B - Operation and Maintenance Field Logs

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

Mr. Chuck Headlee, Regional Water Quality Control Board - electronic copy uploaded to ftp

server and GeoTracker

Mr. Rob Miller, President, Broadbent & Associates, Inc., electronic copy uploaded to ENFOS

Mr. Jay Johnson, Stratus, Inc., electronic copy uploaded to ENFOS

Table 1

Treatment System Metered Volume

ARCO Service Station #0608

		т				·		V
,				Bt			Cumulative	<u> </u>
Meter	Hour Meter			System	Volume		Volume	
Reading	Reading	l	Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)	<u> </u>	(hrs)	(%)	(galions)	(gallons)	(gallons)	Rate (gpm)
06/05/00	29,593	8		96.64	979,800	3,200	3,200	2.1
06/19/00	29,896	_		9.82	1,052,390	72,590	<i>75,</i> 790	4.0
06/28/00	30,062	<u> </u>		22.96	1,082,340	29,950	105,740	3.0
07/08/00	30,352	_		0.00	I,131,560	49,220	154,960	2.8
07/26/00	30,749	ᆫ		8.10	1,196,420	64,860	219,820	2.7
08/07/00	30,955	$ldsymbol{ldsymbol{ldsymbol{eta}}}$		28.47	1,228,020	31,600	251,420	2.6
08/29/00	31,309	ᆫ		32.90	1,276,650	48,630	300,050	2.3
09/08/00	31,528			8.87	1,306,300	29,650	329,700	2.3
09/28/00	32,011		•	0.00	1,368,410	62,110	391,810	2.1
10/28/00	32,638			12.85	1,444,183	75,773	467,583	2.0
11/30/00	33,399	<u> </u>	·	3.96	1,534,960	90,777	558,360	2.0
12/28/00	33,761			46.15	1,576,520	41,560	599,920	1.9
01/04/01	33,924			2.80	1,595,340	18,820	618,740	1.9
02/06/01	34,556			20.15	1,672,330	76,990	695,730	2.0
03/08/01	34,776			69.50	1,698,860	26,530	722,260	2.0
03/24/01	35,088		,	18.67	1,741,170	42,310	764,570	2.3
04/05/01	35,310			22.99	1,767,530	26,360	790,930	2.0
04/18/01	35,335			92.15	1,770,860	3,330	794,260	2.3
05/04/01	35,716			0.81	1,812,690	41,830	836,090	1.8
06/09/01	36,345			27.13	1,879,710	67,020	903,110	1.8
07/05/01	36,469	b		80.10	1,897,180	17,470	920,580	2.3
07/28/01	36,821			36.29	1,928,250	31,070	951,650	1.5
08/14/01	36,822	C		99.80	1,928,510	260	951,910	5.4
09/05/01	37,219			24.81	1,977,050	48,540	1,000,450	2.0
10/05/01	37,932		-	0.94	2,040,950	63,900	1,064,350	1.5
11/13/01	38,820			5.15	2,119,670	78,720	1,143,070	1.5
12/11/01	39,496			0.00	2,186,530	66,860	1,209,930	1.6
01/04/02	40,063			1.60	2,248,700	62,170	1,272,100	1.8
01/31/02	40,716			0.00	2,321,310	72,610	1,344,710	1.9
02/05/02	40,830			5.33	2,333,090	11,780	1,356,490	1.7
02/25/02	40,831			99.62	2,333,270	180	1,356,670	1.7
03/05/02	40,968			29.01	2,353,460	20,190	1,376,860	2.5
04/08/02	41,735			5.96	2,448,360	94,900	1,471,760	2.1
05/04/02	42,362			0.00	2,487,090	38,730	1,510,490	1.0
05/31/02	42,832	đ		27.47	2,503,380	16,290	1,526,780	0.6
08/19/02	44,925			0.00	2,520,289	16,909	1,543,689	0.1
10/03/02	44,956	c		97.11	2,520,582	293	1,543,982	N/A
10/07/02	44,956	е		100.00	2,522,394	1,812	1,545,794	N/A
10/24/02	44,956	е		100.00	2,527,898	5,504	1,551,298	N/A
11/07/02	0	f	44,956	-	2,527,925	27	1,551,325	N/A
11/21/02	336		45,292	0.00	2,527,945	20	1,551,345	0.00
12/05/02	479	g	45,435	57.71	2,528,113	168	1,551,513	. 0.02
12/18/02	788	g	45,744	0.90	2,555,895	27,782	1,579,295	1.50
01/03/02	1,174	g	46,130	100.00	2,591,359	35,464	1,614,759	1.53

Table 1
Treatment System Metered Volume
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue

San Lorenzo, California

	1	_	· · · · · · · · · · · · · · · · · · ·					Y*****
				. .			Cumulative	
Meter	Hour Meter			System	Volume		Volume	
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)	<u> </u>	(hrs)	(%)	(gallons)	(gallons)	(gallons)	Rate (gpm)
01/16/03	1,486	g	46,442	96.56	2,625,812	34,453	1,649,212	1.84
02/13/03	2,156	g	47,112	0.36	2,692,710	66,898	1,716,110	1.67
03/13/03	2,832		47,788	0.00	2,758,948	66,238	1,782,348	1.63
03/27/03	3,165	Ŀ	48,121	0.71	2,790,668	31,720	1,814,068	1.58
04/10/03	3,500		48,456	0.27	2,828,060	37,392	1,851,460	1.86
04/24/03	3,837		48,793	0.00	2,865,050	36,990	1,888,450	1.83
05/08/03	4,172	7.	49,128	0.36	2,900,937	35,887	1,924,337	1.79
05/22/03	4,459 4,459	ħ	49,415	14.46	2,931,190	30,253	1,954,590	1.75
06/05/03		i	49,415	100.00	2,931,190	0	1,954,590	0.00
06/19/03	4,606 4,940		49,562	0.00 0.77	2,946,180	14,990	1,969,580	1.69
07/11/03	4,940		49,896 49,896	100.00	2,971,985	25,805	1,995,385	1.29
07/24/03	5,331		50,287	0.00	2,971,985 2,972,362	0 377	1,995,385	0.00
08/14/03	5,831		50,787	0.95	3,013,517	41,532	1,995,762	0.02
08/28/03	6,165		51,121	0.51	3,040,900		2,036,917	0.78
09/11/03	6,503		51,459	0.00	3,067,641	27,383 26,741	2,064,300	1.37 1.32
09/25/03	6,838		51,794	0.21	3,095,020	27,379	2,091,041	
10/09/03	7,176		52,132	0.00	3,122,624	81,724	2,118,420 2,146,024	1.36 1.35
10/23/03	7,512		52,468	0.00	3,149,200	26,576		
11/06/03	N/A	1	N/A	N/A	N/A	20,370 N/A	2,172,600 N/A	1.32 N/A
11/20/03	8,182	÷	53,138	0.33	3,204,612	55,412	2,228,012	
12/04/03	8,518		53,474	0.00	3,233,956	29,344	2,228,012	1:38 0.49
12/18/03	8,851	_	53,807	1.07	3,264,487	30,531	2,232,475	1.53
01/08/04	9,356		54,312	0.00	3,312,485	47,998	2,276,010	1.58
01/22/04	9,690		54,646	0.68	3,344,994	32,509	2,308,519	1.62
02/05/04	10,026		54,982	0.06	3,377,510	32,516	2,341,035	1.61
02/19/04	10,357		55,313	1.58	3,410,457	32,947	2,373,982	1.66
03/04/04	10,695		55,651	0.00	3,446,501	36,044	2,410,026	1.77
03/18/04	11,030		55,986	0.33	3,480,890	34,389	2,444,415	
04/07/04	11,509		56,465	0.23	3,524,179	+		1.71
04/22/04	11,869		56,825	0.03		43,289	2,487,704	1.51
05/06/04	12,206	_	57,162	0.00	3,552,144	27,965	2,515,669	1.30
05/19/04					3,579,927	27,783	2,543,452	1.37
05/19/04	12,522		57,478	0.00	3,607,015	27,088	2,570,540	1.43
	12,853		57,809	1.34	3,635,580	28,565	2,599,105	1.44
06/16/04	13,198		58,154	0.00	3,664,594	29,014	2,628,119	1.40
07/08/04	13,715		58,671	2.14	3,708,440	43,846	2,671,965	1.41
07/22/04	14,050		59,006	0.18	3,736,245	27,805	2,699,770	1.38
08/12/04	14,554	<u> </u>	59,510	0.10	3,777,215	40,970	2,740,740	1.36
08/26/04	14,890	_	59,846	0.00	3,803,030	25,815	2,766,555	1.28
09/02/04	15,058	_	60,014	0.00	3,811,977	8,947	2,775,502	0.89
09/16/04	15,394	_	60,350	0.09	3,832,211	20,234	2,795,736	1.00
10/07/04	15,902	_	60,858	0.00	3,867,732	35,521	2,831,257	1.17
10/21/04	16,235		61,191	0.65	3,891,217	23,485	2,854,742	1.17

Table 1
Treatment System Metered Volume
ARCO Service Station #0608
17601 Hesperian Boulevard at Hacienda Avenue
San Lorenzo, California

				,			Cumulative	
Meter	Hour Meter			System	Volume		Volume	
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)		(hrs)	(%)	(gailons)	(gallons)	(gailons)	Rate (gpm)
11/04/04	16,572		61,528	0,00	3,917,240	26,023	2,880,765	1.29
11/18/04	16,908		61,864	0.00	3,942,990	25,750	2,906,515	1.28
12/02/04	17,242		62,198	0.57	3,967,880	24,890	2,931,405	1.24
12/16/04	17,579		62,535	0.00	3,994,102	26,222	2,957,627	1.30
12/30/04	17,915		62,871	0.00	4,020,937	26,835	2,984,462	1.33
01/05/05	18,062		63,018	0.00	4,033,820	12,883	2,997,345	1.46
01/19/05	18,396		63,352	0.63	4,063,602	29,782	3,027,127	1.49
02/02/05	18,734		63,690	0.00	4,091,628	28,026	3,055,153	1.38
02/16/05	19,068		64,024	0.45	4,117,922	26,294	3,081,447	1.31
03/02/05	19,406	_	64,362	0.00	4,146,956	29,034	3,110,481	1.43
03/16/05	19,741		64,697	0.36	4,175,328	28,372	3,138,853	1.41
03/30/05	20,072		65,028	1.28	4,203,345	28,017	3,166,870	1.41
04/07/05	20,263		65,219	0.89	4,219,430	16,085	3,182,955	1.41
04/20/05	20,578		65,534	0.00	4,244,807	25,377	3,208,332	1.34
05/04/05	20,915	_	65,871	0.00	4,269,751	24,944	3,233,276	1.23
05/18/05 06/02/05	21,057		66,013	57.95 0.53	4,279,950	10,199	3,243,475	1.20
06/02/03	21,415 21,728	-	66,371 66,684	0.00	4,304,727	24,777 21,097	3,268,252	1.15
06/23/05	21,726 N/A	\vdash	N/A	0.00 N/A	4,325,824		3,289,349	N/A
07/11/05	22,354	_	67,310	0.00	4,337,710 4,363,217	11,886 37,393	3,301,235	1.00
07/26/05	22,468	m	67,424	68.25	4,369,300	6,083	3,332,825	0.89
08/10/05	22,405	111	67,783	0.22	4,388,486	19,186		0.89
				0.94			3,352,011	
08/25/05	23,184	H	68,140		4,407,134	18,648	3,370,659	0.87
09/07/05	23,497	_	68,453	0.00	4,421,840	14,706	3,385,365	0.78
09/20/05	23,812	<u> </u>	68,768	0.00	4,436,511	14,671	3,400,036	0.78
10/04/05	24,150		69,106	0.00	4,451,324	14,813	3,414,849	0.73
10/18/05	24,483		69,439	1.01	4,465,577	14,253	3,429,102	0.71
11/02/05	24,956	п	69,912	0.00	4,480,107	14,530	3,443,632	0.51
11/16/05	25,178		70,134	34.05	4,495,190	15,083	3,458,715	1.13
11/29/05	25,491		70,447	0.00	4,508,180	12,990	3,471,705	0.69
12/13/05	25,825		70,781	0.00	4,523,250	15,070	3,486,775	0.75
12/27/05	26,163		71,119	0.00	4,538,830	15,580	3,502,355	0.77
01/12/06	26,546		71,502	0.26	4,562,040	23,210	3,525,565	1.01
01/24/06	26,835		71,791	0.00	4,577,920	15,880	3,541,445	0.92
02/08/06	27,195		72,151	0.03	4,595,860	17,940	3,559,385	0.83
02/21/06	27,505		72,461	0.61	4,609,460	13,600	3,572,985	0.73
03/06/06	27,816		72,772	0.22	4,621,920	12,460	3,585,445	0.67
03/22/06	28,199		73,155	0.23	4,637,100	15,180	3,600,625	0.66
04/03/06	28,489		73,445	0.00	4,651,630	14,530	3,615,155	0.84

Table 1

Treatment System Metered Volume

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

Meter	Hour Meter			System	Volume		Cumulative Volume	
Reading	Reading		Total	Downtime (k)	Reading	Net Volume	Removed	Average Flow
Date	(Hrs)		(hrs)	(%)	(gallons)	(gallons)	(gallons)	Rate (gpm)
04/17/06	28,827		73,783	0.00	4,669,497	17,867	3,633,022	0.88
05/02/06	N/A	п	N/A	N/A	4,686,187	16,690	3,649,712	N/A
05/15/06	29,497		74,453	0.30	4,690,347	4,160	3,653,872	0.10
05/30/06	29,855		74,811	0.53	4,694,809	4,462	3,658,334	0,21
06/13/06	30,189		75,145	0.54	4,694,809	0	3,658,334	0.00
06/27/06	30,524		75,480	0.33	4,697,476	2,667	3,661,001	0.13
07/17/06	31,006		75,962	0.00	4,706,984	9,508	3,670,509	0.33
07/26/06	31,225	Г	76,181	0.00	4,711,695	4,711	3,675,220	0.36
08/09/06	31,556		76,512	1.28	4,719,605	7,910	3,683,130	0.40
08/22/06	31,874		76,830	0.00	4,726,757	7,152	3,690,282	0.38
08/29/06	32,036	Г	76,992	3.15	4,730,248	3,491	3,693,773	0.36
09/12/06	32,371		77,327	0.48	4,731,489	1,241	3,695,014	0.06
09/27/06	32,731		77,687	0.00	4,732,102	613	3,695,627	0.03
10/09/06	33,014		77,970	1.67	4,732,140	38	3,695,665	0.00
10/26/06	33,426		78,382	0.00	4,732,179	39	3,695,704	0.00
11/10/06	33 784	Γ	78 740	0.00	4 732 180	1	3 605 705	8.00

REPORTING PERIOD:

10/26/06 to 11/10/06

PERIOD AVERAGE FLOW RATE (gpm): PERIOD VOLUME DISCHARGED (gallons):

0.00

hrs = hours

gpm = gallons per minute

N/A = not analyzed/not applicable/not available

Initial 3-hour startup pumping period May 31, 2000

- a. System restarted 6/5/00 (previously ran 9/25/91 8/21/95)
- b. System down during construction to main sewer line starting 6/25/01.
- c. System restarted 8/14/01 following completion of construction work.
- d. Hour meter reading not recorded. Estimated hours using last 3 months average.
- e. Hour meter reading not functioning.
- f. Hour meter replaced.
- g. An error in the table has been corrected to show correct flow rate values.
- h. System was down upon arrival due to utility power outage.
- i. System restarted 5/30/03 after power restored to system.
- k. Downtime calculated by the following: 100 [(Hours Running in Period) / [(Days in Reporting Period)*(24 hours/da
- 1. Data from 11/6/03 site visit is unavailable.
- m. During the period of July 11 to July 26, the GWET system tripped an inlet pressure switch and shut down.
- n. Based on previous readings, the hour meter reading on the field data sheets is incorrect.

ARCO Service Station #0608

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	uent to primary		(68~)	(145,27)	(48/2)	(16-7)	(2.5.2)	(8)	(4444)	(200/2)
09/26/91	38	4.8	0.6	1.6	1.1					
10/22/91	<30	<0.30	<0.30	<0.30	<0.30			****		
11/22/91	<30	0.52	<0.30	<0.30	<0.30		***			
12/19/91	<30	<0.30	<0.30	<0.30	<0.30					
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					
02/19/92	370	14	0.34	14	2.4		***	****		
03/17/92	160	18	0.32	0.56	1.6					
04/15/92	200	11	<0.30	7.3	0.77					
05/14/92	45	1.4	<0.30	<0.30	<0.30			***		_
06/19/92	<30	<0.30	<0.30	<0.30	<0.30	****				***
07/14/92	97	25	<0.50	8.5	<0.50					
08/18/92	<50	<0.50	<0.50	<0.50	<0.50	·				
09/15/92	<50	<0.50	<0.50	<0.50	<0.50					
10/16/92	<50	<0.50	<0.50	<0.50	<0.50		•			
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					<u> </u>
12/17/92	96	7.7	13	0.56	9.7					
01/18/93	100	13	6.6	1.1	11		'			
02/22/93	480	36	29	4.9	96					
03/15/93	310	29	14	4.9	55					
04/09/93	140	11	2.8	2.6	17	·	. 			
05/13/93	530	27	12	18	96					
06/04/93	170	5.2	1.6	2.5	- 23					
07/20/93	200	12	0.91	8.2	29			,		
08/16/93	150	4.9	0.63	2.9	15					
09/13/93	80	2.2	<0.50	<0.50	4.8					
10/08/93	<50	<0.50	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50					
12/21/93	73	3.5	<0.50	1.9	8.4			}		
01/18/94	60	3.1	<0.50	3.2	4.3					
02/17/94	<50	2.5	<0.50	2.1	3.1	`				
03/15/94	<50	<0.50	<0.50	<0.50	<0.50					
04/21/94	110	7.8	<1.0	9.6	<1.0					
05/13/94	230	8.3	<0.50	14	6	·				
06/14/94	230	12	<0.50	16	1.5			*		1****
07/14/94	270	6.9	<0.50	15	1.9					
08/18/94	<50	1.8	<0.50	1.5	<0.50					
09/12/94	<50	<0.50	<0.50	<0.50	<0.50					
10/18/94	<50	<0.50	<0.50	<0.50	<0.50					
11/05/94	<50	0.66	<0.50	2.6	<0.50					
12/05/94	470	32	0.59	29	6.2					
01/04/95	. <50	1.1	<0.50	1.4	<0.50			***		

ARCO Service Station #0608

			·	Td 1						
Date	GRO/TPH-g	Benzene	Toluene	Ethyl- benzene	Xylenes	MŤBE	COD	TSS		DO
Sampled	(μg/L)	μg/L)	(μg/L)	(μg/L)	Aylenes (μg/L)	(μg/L)	(mg/L)		pH (units)	1
	uent to primary			(µg/L)	(HB) L)	(hgr)	(mg/L)	(mg/L)	(unis)	(mg/L)
02/06/95	100	2.4	1.1	1.2	2.8					
03/02/95	<50	<0.50	<0.50	<0.50	<0.50					
04/04/95	290	6.6	<0.50	10	1.7					
05/02/95	240	7.1	<0.50	3.2	1.6					 -
06/05/95	<50	<0.50	<0.50	<0.50	<0.50					
07/06/95	270	2.4	<0.50	7.6	1					
08/21/95	230	1.8	<0.50	1.6	0.92					
06/05/00	700	7.24	<1.0	2.11	<1.0	361				<u> </u>
07/08/00	133	5.09	0.598	<0.50	<0.50	272				
08/10/00	144	2.8	<0.50	1.04	<0.50	126				
09/08/00	261	2.74	0.826	0.626	<0.50	120				
10/10/00	114	<0.50	1.68	0.843	<0.50	<2.5		·	·····	
11/07/00	128	<0.50	<0.50	<0.50	<0.50	98.6		·		
12/05/00	167	0.775	<0.50	<0.50	<0.50	104				
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	86.8				
02/06/01	203	0.572	<0.50	0.513	<0.50	80.5				
03/08/01	219	<0.50	6.16	1.21	0.682	81			420	
04/18/01	74.5	<0.50	<0.50	<0.50	<0.50	97.5				
05/04/01	63.3	<0.50	<0.50	<0.50	<0.50	93.2			÷	
06/09/01	64	<0.50	<0.50	<0.50	<0.50	71				
07/05/01	100	<0.50	2.5	<0.50	<0.50	430				
08/14/01	290	2.2	3.5	<1.0	<1.0	870				
09/05/01	<100	<1.0	<1.0	<1.0	<1.0	340				
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	150 .				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	92				
12/11/01	65	<0.50	0.58	<0.50	<0.50	83				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	140				
02/05/02	100	<0.50	<0.50	<0.50	<0.50	190				
03/05/02	150	<1.2	<1.2	<1.2	<1.2	350	-			
04/08/02	400	9.6	<1.0	1.4	<1.0	260			D-si-si-	
05/16/02	310	<1.0	<1.0	<1.0	<1.0	330		*****		
10/07/02	160	4.1	<1.0	<1.0	<1.0	130				·
11/07/02	250	<0.50	10	0.7	0.77	210				
12/05/02	220	<1.0	<1.0	<1.0	<1.0	110			****	
01/03/03	170	<1.0	<1.0	<1.0	<1.0	140				
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	66				***
3/27/03 ¹	110	<0.50	<0.50	<0.50	<0.50	71				
4/24/03	120	<0.50	<0.50	<0.50	<0.50	56				
5/30/03 ¹	20	<0.50	<0.50	<0.50	<0.50	<50				
06/19/03	160	<0.50	<0.50	<0.50	<0.50	46				

ARCO Service Station #0608

		,					1			
Date	GRO/TPH-g	Benzene	Toluene	Ethyl- benzene	Xylenes	MTBE	COD	TSS	рH	DO
Sampled	(μg/L)	μg/L)	(μg/L)	(μg/L)	Ayiches (μg/L)	MTBE (μg/L)	(mg/L)	(mg/L)	(units)	l '
	uent to primary			(HS/L)	(H5/L)	(ABL)	(mg/L)	(mg/r)	(umis)	(mg/L)
07/24/03	51	<0.50	<0.50	<0.50	<0.50	41 (47) ²				T
										
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	30 (40) ²				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	28				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	28 (28) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	22				
,12/18/03	52	<0.50	<0.50	<0.50	<1.0	27			****	
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	27				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	25				
03/18/04	<50	<0.50	<0.50	<0.50	<1.0	27			<u> </u>	
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	25				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	19		~		
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	19			***	
06/16/04	63	<0.50	<0.50	<0.50	<1.0	20				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	15				
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	23				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	18				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	17		~~*		
11/18/04	<50 <50	<0.50	<0.50	<0.50	<1.0	14 .				
12/16/04	<50 84	<0.50	<0.50	<0.50	<1.0	15				
01/19/05		<0.50	<0.50	<0.50	<1.0	19		****		
02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	29		*****		
03/16/05	56 ³	<0.50	<0.50	<0.50	<1.0	21				<u> </u>
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	19				
05/18/05	82 ³	<0.50	<0.50	<0.50	<1.0	16				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	15				***
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	13				
08/25/05	<50	<0.50	<0,50	<0.50	. <1,0	9.8				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	8.2				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	9.2				-
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	15				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	11				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	16				
02/08/06	60	<0.50	<0.50	<0.50	<1.0	15			,	
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	16				
04/03/06	<50	<0.50	<0.50	<0.50	<0.50	17				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	15				
07/17/06	<50	<0.50	0.58	<0.50	<0.50	5.7				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6		****		
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	2.9				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.3				
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	6.6		*****		

ARCO Service Station #0608

				Date LORG	,		···			
		_	`	Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	рĦ	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	tween primary						,			
09/26/91	<30	<0.30	<0.30	<0.30	<0.30					
10/22/91	<30	<0.30	<0.30	<0.30	<0.30					
12/19/91	<30	<0.30	<0.30	<0.30	<0.30					
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					
02/19/92	<30	<0.30	<0.30	<0.30	<0.30					
03/17/92	<30	<0.30	<0.30	<0.30	<0.30					
04/15/92	<30	<0.30	<0.30	<0.30	<0.30					
05/14/92	<30	<0.30	<0.30	<0.30	<0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30					
07/14/92										
08/18/92							****	 .	· —	
09/15/92										
10/16/92								****		
11/18/92										
12/17/92										
01/18/93			,	-						
02/22/93										
03/15/93								****		
04/09/93	~							·		
05/13/93										
06/04/93										
07/14/94	ND .	ND	ND	ND	ND					
08/17/94						***				
09/12/94										
10/18/94	sun !			·						
11/05/94				-						
12/05/94					***.					****
01/04/95										
02/06/95										
03/02/95										
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/10/00	<50	· <0.50	<0.50	<0.50	<0.50	<5.0				
09/08/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/07/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
12/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5				***
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/18/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5			****	

ARCO Service Station #0608

				Ethyl-				i	<u> </u>	
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	tween primary				(1.0.7	((-8)	(-	((-12.0)	(
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		- -		
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5		P42		
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	3.3		720		
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	5.7	·			
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	9				
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	26				
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	17	***			
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	39				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	58				
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	55				
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	100			. —	
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	51				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	66				
2/13/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	130				
3/27/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	120	· 		****	
4/24/03 ¹	280	<2.5	<2.5	<2.5	<2.5	110				
5/30/03 ¹	<250	<2.5	<2.5	<2.5	<2.5	140			1	-
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	110				
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-		-	
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	Ť		<u> </u>	
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (1.3) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	1.1				***
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	1.2				
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3				
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	1.2				
03/18/04	67	<0.50	<0.50	<0.50	<1.0	1.4		444		
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	1.5				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.3		****		
05/19/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.8				
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	1.6				
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	2.2				
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	2.1				
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	2.0				
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	1.5				

ARCO Service Station #0608

				Our Lore	nzo, Camo	viiia				
				Ethyl-					1	
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	$(\mu g/L)$	(mg/L)	(mg/L)	(units)	(mg/L)
	tween primary	and second	lary carbo	ns) (cont.)						
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	1.9	_			
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.9		****		
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	2.4		·	·	
05/18/05	58 ³	<0.50	<0.50	<0.50	<1.0	2.1				
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	2.2				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	2.1	-			
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				——————————————————————————————————————
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
02/08/06	55	<0.50	<0.50	<0.50	<1.0	<0.50				
03/06/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
04/03/06	. <50	<0.50	<0.50	<0.50	<0.50	<0.50				
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	·			
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50			P-4-4	
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50			———	
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50				
	tween secondar	_								
06/05/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5			P	
07/08/00										
09/08/00								****		
10/10/00					****					
11/07/00										
12/05/00					444	•				
01/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/06/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
03/08/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/18/01	<50	<0.50	<0.50	<0.50	<0,50	<2.5				
05/04/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5			***	
07/05/01	<50	<0.50	<0.50	<0.50	<0,50	<2.5				
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
09/05/01	<50	<0,50	<0.50	<0.50	<0.50	<2.5				
10/05/01	<50	<0,50	<0.50	<0.50	<0.50	<2.5				<u>-</u> -
11/13/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5				

ARCO Service Station #0608

		ł		Ethyl-	[I				I
Date	GRO/TPH-g	Веплепе	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
	tween secondar				(182)	[(FB 2)	(156,2)	(mg/D)	(411143)	(mg/c)
12/11/01	<50	<0.50	<0.50	<0.50	<0.50	<2,5				
01/04/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
02/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5		p-44-		
03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
04/08/02	<50	<0.50	<0.50	<0.50	<0.50	4.7				
05/16/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				***
10/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
11/07/02	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
12/05/02	<50	<0.50	<0.50	<0.50	<0.50	<2:5				
01/03/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5		→ #		
2/13/031	<50	<0.50	<0.50	<0.50	<0.50	1				<u>.</u>
3/27/031	<50	<0.50	<0.50	<0.50	<0.50	0.94				
4/24/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	0.95			<u> </u>	
5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	1.1				
06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	P			
09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5				
10/23/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5 (<0.5) ²				
11/20/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/18/03	<50	<0.50	<0.50	<0.50	<1.0	<0.50	-			
01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	****			
02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
03/18/04	86	<0.50	<0.50	<0.50	<1.0	<0.50				
04/07/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
04/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			-	
05/19/04	·<50	<0.50	<0.50	<0.50	<1.0	<0.50		**-	i	
06/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			·	
07/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			***	
08/26/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				'
09/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50		****		
10/21/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50			****	
11/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
12/16/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
01/19/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50		****	•••	
02/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
03/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50				
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50		****		*
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50		*****		

ARCO Service Station #0608

	an a mn**	ı		Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
The second secon	tween secondar									·
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50		-		
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50				
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	3.2				
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	2.5				
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	1.6		****		<u> </u>
02/08/06	66	<0.50	<0.50	<0.50	<1.0	3.3				
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	3.0				
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	2.6	***		_ .	
05/02/06	<50	<0.50	<0.50	<0.50	<0.50					
06/13/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	_			_
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	4.3				
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	3.4				
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	5.2				
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	4.6				
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	3.7	_	Ī		
						•				
EFFL (effl	uent to sewer)					,				•
09/26/91	<30	<0:30	<0.30	<0.30	<0.30			***		
10/22/91	<30	<0.30	<0.30	<0.30	<0.30					
11/22/91	<30	<0.30	<0.30	<0.30	<0.30			***		
12/19/91	<30	<0.30	<0.30	<0.30	<0.30					
01/16/91	<30	<0.30	<0.30	<0.30	<0.30					
02/19/92	<30	<0.30	<0.30	<0.30	<0.30					
03/17/92	<30	<0.30	<0.30	<0.30	<0.30					
04/15/92	<30	<0.30	<0.30	<0.30	<0.30					
05/14/92	<30	<0.30	<0.30	<0.30	<0.30					
06/19/92	<30	<0.30	<0.30	<0.30	<0.30					
07/14/92	<50	<0.50	<0.50	<0.50	<0.50					
08/18/92	<50	<0.50	<0.50	<0.50	<0.50					
09/15/92	<50	<0.50	<0.50	<0.50	<0.50					
10/16/92	<50	<0.50	<0.50	<0.50	<0.50			****		
11/18/92	<50	<0.50	<0.50	<0.50	<0.50					
12/17/92	<50	<0.50	<0.50	<0.50	<0.50			***		
01/18/93	<50	<0.50	<0.50	<0.50	<0.50					
02/22/93	<50	<0.50	<0.50	<0.50	<0.50					
03/15/93	<50	<0.50	<0.50	<0.50	<0.50				*****	
04/09/93	<50	<0.50	<0.50	<0.50	<0.50					
05/13/93	<50	<0.50	<0.50	<0.50	<0.50					
06/04/93	<50	<0.50	<0.50	<0.50	<0.50					
07/20/93	<50	<0.50	<0.50	<0.50	<0.50					
08/16/93	<50	<0.50	<0.50	<0.50	<0.50					

ARCO Service Station #0608

	<u> </u>	i	T		inzo, Came					,
Date	CBO/PBII	D	m-1	Ethyl-	, , l					
f I	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pH	DO
Sampled	(μg/L) uent to sewer) ((μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
09/13/93	<50	<0.50	-D 50	₹0.50	40.50		1	<u> </u>	1	
10/08/93	<50	ł	<0.50	<0.50	<0.50					
11/19/93	<50	<0.50	<0.50	<0.50	<0.50					
12/21/93	<50 <50	<0.50	<0.50	<0.50	<0.50					
01/18/94	<50	<0.50 <0.50	<0.50	<0.50	<0.50					
02/17/94	<50		<0.50	<0.50	<0.50					
02/17/94	<50	<0.50 <0.50	<0.50	<0.50	<0.50					
04/21/94	<50		<0.50	<0.50	<0.50					
05/13/94		<0.50	<0.50	<0.50	<0.50					
05/13/94	<50 <50	<0.50	<0.50	<0.50	<0.50	****				
07/14/94	<50	<0.50	<0.50	<0.50	<0.50				****	
08/17/94		<0.50	<0.50	<0.50	<0.50					
08/17/94	<50	<0.50	<0.50	<0.50	<0.50					
10/18/94	<50	<0.50	<0.50	<0.50	<0.50	·				
11/05/94	<50 <50	<0.50	<0.50	<0.50	<0.50	****		***		****
12/05/94	<50 <50	<0.50	<0.50	<0.50	<0.50					
01/04/95	<50	<0.50	<0.50	<0.50	<0.50					
02/06/95	<50	<0.50	<0.50	<0.50	<0.50					
02/06/93	<50 <50	<0.50	<0.50	<0.50	<0.50				*****	
03/02/93	<50 <50	<0.50	<0.50	<0.50	<0.50					
05/02/95	<50	<0.50	<0.50	<0.50	<0.50					
<u> </u>	<50 <50	<0.50	<0.50	<0.50	<0.50					
06/05/95 07/06/95	<50	<0.50	<0.50	<0.50	<0.50				·	
08/21/95	<50	<0.50	<0.50	<0.50	<0.50					
06/21/93	<50	<0.50	<0.50	<0.50	<0.50		*****			
06/03/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5			7.19	
07/08/00	<50	<0.50						_		
08/10/00	<50		<0.50	<0.50	<0.50	<2.5	32.1	<10	7.08	
09/08/00	<50	<0.50 <0.50	<0.50	<0.50	<0.50	<5.0	23.4	<10	6.67	
10/10/00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	29.2	<10	6.82	
11/07/00	<50	<0.50	<0.50 <0.50	<0.50	<0.50	<2.5	<20	<10	7.25	
12/05/00	<50	<0.50		<0.50	<0.50	<2.5	<20	<10	7.24	
01/04/01	<50 <50	<0.50	<0.50	<0.50	<0.50	<2.5	44	<10	7.48	
02/06/01	<50 <50		<0.50	<0.50	<0.50	<2.5	<20	<10	7.00	
02/08/01	<50 <50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	10.7	7.03	
04/18/01	<50 <50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.04	
05/04/01		<0.50	<0.50	<0.50	<0.50	<2.5	28.5	<10	7.06	
	<50 <50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.31	
06/09/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	34	<10	7.05	
07/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.10	
08/14/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	14	7.09	
09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<2.5	70	<10	7.07	

ARCO Service Station #0608

Date GRO/TPH-g GRO/TPH-g (μg/L) (μg/L			·			anzo, Cumi					
Sample (ug/L)		CD C MINY			Ethyl-						
EFFEL (effluent to sewer) (cont.)		_				-	1			_	į
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				(µg/L)	(hg/r)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
11/13/01				₹0.50	<0.50	40.C0	-0.5			600	
12/11/01											
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					•						
02/05/02 <50			I								
03/05/02											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ſ		***						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			<u> </u>								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>							<20	~10	0.00	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										7.00	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											0.27
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$											0.27
3/27/03¹ <50	$\overline{}$										
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					· · · · · · · · · · · · · · · · · · ·						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>	<50	<0.50	<0.50	<0.50	<0.50	<0.50	32	<10	7.50	80.0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	10.23
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5/30/03 ¹	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.95	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	06/19/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.02	9.75
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	07/24/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.07	3.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	08/28/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	7.03	2.12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	09/25/03	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<20	<10	6.79	2.70
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10/23/03	<50	<0.50	<0,50	<0.50	<0.50	<2.5 (<0.5) ²	<20	<10	6.82	3.45
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11/20/03	<50	<0.50	<0.50	<0.50	<1.0		<30	<10	6.94	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	12/18/03	<50	`<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.01	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	01/22/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.12	0.85
04/07/04 <50	02/19/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	10	6.57	3.82
04/22/04 <50	03/18/04	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<20	<10	7.08	0.97
05/19/04 <50		<50	<0.50	<0.50	<0.50	<1.0	<0.50				<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>		<0.50		<0.50	<1.0	<0.50	27	<10	6.69	1.64
07/22/04 <50				<0.50	<0.50	<1.0	<0.50	20	13	6.50	1.40
08/26/04 <50			<0.50	<0.50	<0.50	<1.0			<10		0.75
09/16/04 <50										6.81	1.09
10/21/04 <50											
11/18/04 <50 <0.50 <0.50 <1.0 <0.50 <20 14 6.95 0.34 12/16/04 <50											1.20
12/16/04 <50 <0.50 <0.50 <1.0 <0.50 <20 <10 6.92 2.00 01/19/05 <50					· · · · · · · · · · · · · · · · · · ·						2.60
01/19/05 <50 <0.50 <0.50 <1.0 <0.50 <30 <10 6.78 1.26 02/16/05 <50³											
02/16/05 <50³ <0.50 <0.50 <1.0 <0.50 <30 <20 6.61 2.01 03/16/05 <50											
03/16/05 <50 <0.50 <0.50 <0.50 <1.0 <0.50 <30 <20 6.48 0.75	01/19/05		<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.78	1.26
	02/16/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.61	2.01
04/20/05	03/16/05		<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.48	0.75
	04/20/05	<50 ³	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.66	0.67

Table 2

Treatment System Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)
EFFL (effi	uent to sewer) ((cont.)								
05/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.56	1.75
06/15/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.78	1.24
07/26/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<20	6.82	1.03
08/25/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.91	1.07
09/20/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.86	2.33
10/18/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.61	2.35
11/16/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	6.59	36.6 ⁴
12/13/05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<30	<10	7.3	2.93
01/12/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	7.2	15.0 4
02/08/06	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<10	<20	6.82	3.02
03/06/06	<50	<0.50 ⁵	<0.50	<0.50	<0.50	<0.50	<30	<10	6.87	1.12
04/03/06	<50	<0.50	<0.50	<0.50	<0.50 ⁶	0.80	<30	<10	6.78	
05/02/06	<50	<0.50	<0.50	<0.50	<0.50		<30	<10	7.58	4.45
06/13/06	.<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	6.66	4.28
07/17/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.24	3.47
08/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.32	7.26
09/12/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.39	5.24
10/09/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.54	5.25
11/10/06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<30	<10	7.03	

SYMBOLS AND ABBREVIATIONS:

--- =Not applicable/available/sampled

=Not detected at or above the laboratory reporting limit.

COD = Chemical oxygen demand

DO =Dissolved Oxygen, field measurement

GRO =Gasoline Range Organics

µg/L =Micrograms per liter

mg/L =Milligrams per liter

MTBE =Methyl tert-Butyl Ether

ND =Not detected at or above the laboratory reporting limit
TPH-g =Total purgeable petroleum hydrocarbons as gasoline

TSS =Total suspended solids

FOOTNOTES:

- 1 = Analyzed with EPA Method 8260
- 2 =MTBE concentration analyzed by EPA methods 8021B and 8260B (Results of EPA Method 8260 shown in parenthesis).
- 3= Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- 4 = Value appears to be anomalous
- 5 = Possible high bias due to CCV falling outside acceptance criteria
- 6 = Analyte present in the method blank

Table 2

Treatment System Analytical Data

ARCO Service Station #0608

17601 Hesperian Boulevard at Hacienda Avenue San Lorenzo, California

				Ethyl-						
Date	GRO/TPH-g	Benzene	Toluene	benzene	Xylenes	MTBE	COD	TSS	pН	DO
Sampled	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(units)	(mg/L)

NOTES:

GRO/BTEX/MtBE analyzed using EPA Method 8260B beginning February 19, 2004.

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in higher concentrations being reported.

ATTACHMENT A

CERTIFIED ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION



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

22 November, 2006

Alok Kolekar URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland, CA 94612

RE: ARCO #0608, San Lorenzo, CA

Work Order: MPK0369

Enclosed are the results of analyses for samples received by the laboratory on 11/11/06 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race

Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.





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

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612

Project: ARCO #0608, San Lorenzo, CA

MPK0369 Project Number: G0C24-0012 Reported: Project Manager: Alok Kolekar 11/22/06 15:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
INF	MPK0369-01	Water	11/10/06 10:05	11/11/06 08:30
MID-1	MPK0369-02	Water	11/10/06 10:00	11/11/06 08:30
MID-2	MPK0369-03	Water	11/10/06 09:55	11/11/06 08:30
EFFL	MPK0369-04	Water	11/10/06 09:50	11/11/06 08:30
TRIP BLANK	MPK0369-05	Water	11/10/06 09:00	11/11/06 08:30

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with intact custody seals.





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

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612 Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) TestAmerica - Morgan Hill, CA

Anziyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
INF (MPK0369-01) Water Sampled: 11	1/10/06 10:05	Received: 11	/11/06 08	3:30			······		
Gasoline Range Organics (C4-C12)	ND	50	ug/l	ţ	6K13016	11/13/06	11/14/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		87 %	60-	145	n	H	n	ď	
MID-1 (MPK0369-02) Water Sampled	11/10/06 10:00	Received:	11/11/06	08:30					
Gasoline Range Organics (C4-C12)	ND	50	ng/I	1	6K13016	11/13/06	11/14/06	LUFT GCMS	······································
Surrogate: 1,2-Dichloroethane-d4		87 %	60-	145	ø	n	n	u	
MID-2 (MPK0369-03) Water Sampled:	11/10/06 09:55	Received:	11/11/06	08:30					
Gasoline Range Organics (C4-C12)	ND	- 50	ug/l	1	6K14028	11/14/06	11/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		96%	60-	145	tt	п	N	tł	
EFFL (MPK0369-04) Water Sampled:	11/10/06 09:50	Received:	11/11/06	08:30					
Gasoline Range Organics (C4-C12)	ממ	50	ug/l	1	6K14028	11/14/06	11/15/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		94 %	60-	145	tt	u	н	11	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA

NF (MPK0369-01) Water Sampled: 11/10/06 10:05 Received: 11/11/06 08:30	Analyte	Result	Reporting	T 516	Dilui	Dove				
Lett-Amyl methyl ether ND 0.50 ug/l 1 6K13016 11/13/06 11/14/06 EPA 8260B			Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzane			Received: 11	1/11/06 08:3	30					
tert-Butyl alcohol ND 20 " " " " " " " " " " " " " " " " " " "				_					EPA 8260B	
Di-isopropyl ether ND									11	
1,2-Dichloroethane (EDB)	=						N	#1	u	
1,2-Dichloroethane								Ħ	H	
Ethanol								н	tt	
Ethyl tert-butyl ether					W	10	11	n	Ħ	
Ethylbenzene ND 0.50 " " " " " " " " " " " " " " " " " " "							#1	If	tf	IC
Methyl tert-butyl ether 6.6 0.50 " " " " " " " " " " " " " " " " " " "	•			n	ы	**	**	17	U	
Toluene ND 0.50 " <t< td=""><td></td><td></td><td></td><td></td><td></td><td>•</td><td>Ħ</td><td>11</td><td>tr</td><td></td></t<>						•	Ħ	11	tr	
Xylenes (total) ND 0.50 "	•					H	**	11	11	
Surrogate: Dibromofluoromethane 88 % 75-130 "					-	14	u	11	11	
Surrogate: 1,2-Dichloroethane-d8 87 % 60-145 "	Xylenes (total)	ND	0.50	11	*01	14	н	11	1 1	
Surrogate: Toluene-d8 90 % 70-130 " " " " " " " " " " " "	Surrogate: Dibromofluoromethane	?	88 %	75-13	0	tt .	rr*	n	n	
Surrogate: 4-Bromofluorobenzere 88 % 60-120 " " " " " " MID-1 (MPK0369-02) Water Sampled: 11/10/06 10:00 Received: 11/11/06 08:30 tert-Amyl methyl ether ND 0.50 ug/l 1 6K13016 11/13/06 11/14/06 EPA 8260B Benzene ND 0.50 " " " " " " " " " " " " " " " " " " "	Surrogate: 1,2-Dichloroethane-d4		87 %	60-14	5	Ħ		n	er	
MID-1 (MPK0369-02) Water Sampled: 11/10/06 10:00 Received: 11/11/06 08:30 tert-Amyl methyl ether ND 0.50 ug/l 1 6K13016 11/13/06 11/14/06 EPA 8260B Benzene ND 0.50 " " " " " " " " " " " " " " " " " " "	Surrogate: Toluene-d8		90 %	70-13	0	В		p	ŧŧ	
tert-Amyl methyl ether ND 0.50 ug/l 1 6K13016 11/13/06 11/14/06 EPA 8260B Benzene ND 0.50 " " " " " " " " " " " " " " " " " " "	Surrogate: 4-Bromofluorobenzene		88 %	60-12	0	#	H .	7.5	"	
Benzene ND 0.50 " " " " " " " " " " " " " " " " " " "	MID-1 (MPK0369-02) Water S	ampled: 11/10/06 10:0	0 Received:	11/11/06 0	8:30					
Benzene	tert-Amyl methyl ether	ND	0.50	ug/l	1	6K13016	11/13/06	11/14/06	EPA 8260B	·
Di-isopropyl ether ND 0.50 " " " " " " " " " " " " " " " " " " "	Benzene	ND	0.50	-		n	tr	Ir		
1,2-Dibromoethane (EDB) ND 0.50 " " " " " " " " " " " " " " " " " " "	tert-Butyl alcohol	ND	20	••	N	Ð	17	n	**	
1,2-Dichloroethane ND 0.50 " " " " " " " " " " " " " " " " " " "	Di-isopropyl ether	ND	0.50	Ħ	Ħ	at	b	11	·	
Ethanol ND 300 " " " " " " " " " " " " " " " " " "	1,2-Dibromoethane (EDB)	, ND	0.50	u	u	н	Ħ	1)	**	
Ethyl tert-butyl ether ND 0.50 " " " " " " " " " " " " " " " " " " "	1,2-Dichloroethane	ND	0.50	Ħ	n	ŧI	u	ŧı	n	
Ethylbenzene ND 0.50 " " " " " " " " " " " " " " " " " " "	Ethanol	ND	300	11	19	н	*	n	tt .	IC
Methyl tert-butyl ether ND 0.50 "<	Ethyl tert-butyl ether	ND	0.50		*	n	Ħ		It	
Toluene ND 0.50 " " " " " " " " " " " " " " " " " " "	Ethylbenzene	ND	0.50	u	**	11	n	p	n	•
Xylenes (total) ND 0.50 "	Methyl tert-butyl ether	ND	0.50	t#	11	14	ti	tr	н	
Surrogate: Dibromofluoromethane 90 % 75-130 " " " " Surrogate: 1,2-Dichloroethane-d4 87 % 60-145 " " " " Surrogate: Toluene-d8 91 % 70-130 " " " "	Toluene	ND	0.50	el	н	34	er	n	н	
Surrogate: 1,2-Dichloroethane-d4 87 % 60-145 " " " " Surrogate: Toluene-d8 91 % 70-130 " " " " "	Xylenes (total)	מא	0.50	ti	n	11	11	n	i ii	
Surrogate: Toluene-d8 91 % 70-130 " " " " "	Surrogate: Dibromofluoromethane		90 %	75-13-	0	'n	4	11	p	
•	Surrogate: 1,2-Dichloroethane-d4		87 %	60-14	5	n	н	tt	ıı	
Surrogate: 4-Bromofluorobenzene 86 % 60-120 " " " "	Surrogate: Toluene-d8		91 %	70-13	0	,,	н .	11	12	
	Surrogate: 4-Bromofluorobenzene		86 %	60-12	0	ti	ar .	H	"	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Volatile Organic Compounds by EPA Method 8260B TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MID-2 (MPK0369-03) Water San	apled: 11/10/06 09:55	Received	11/11/00	6 08:30			*		·
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K14028	11/14/06	11/15/06	EPA 8260B	
Benzene	ND	0.50	п	"	н	**	ti	11	
tert-Butyl alcohol	ND	20	n	ıt	16	17	н	tr	
Di-isopropyl ether	ND	0.50	11	10	11	u	n	n	
1,2-Dibromoethane (EDB)	ND	0.50	n	я.	tr	n	b	3	
1,2-Dichloroethane	ND	0.50	11	Ħ	tt	n	n	ь	
Ethanol	ND	300	77	Ħ	н	TÍ	Ħ	11	
Ethyl tert-butyl ether	ND	0.50	Ħ	11	U	tí	n.	**	
Ethylbenzene	ND	0.50	Ħ	**	11	¢1	n	11	
Methyl tert-butyl ether	3.7	0.50	U	11	п	11	ď.	, 11	
Toluene ,	ND	0.50	11	1)	¥	**	'n	"	
Xylenes (total)	ND	0.50	10	"		n	n	**	
Surrogate: Dibromofluoromethane		94 %	75-	130	n	"	"	ν	
Surrogate: 1,2-Dichloroethane-d4	_	96 %	60-	145	#	**	r	n	
Surrogate: Toluene-d8	-	96 %	70-	130	tt .	n	п	π	
Surrogate: 4-Bromofluorobenzene		92 %	60-	120	"	н	"	#	
EFFL (MPK0369-04) Water Sam	pled: 11/10/06 09:50	Received:	11/11/06	08:30			•		
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K14028	11/14/06	11/15/06	EPA 8260B	
Вепzепе	ND	0.50	**	u	11	ı	17	н	
tert-Butyl alcohol	ND	20	er	tı	ri	ıı	tr.	și și	
Di-isopropyl ether	ND	0.50	er .	#1	4	If	R	Ħ	
1,2-Dibromoethane (EDB)	ND	0.50	Ħ	• п	11	n	Ħ	u .	
1,2-Dichloroethane	ND	0.50	13	**	11)1	a	II	
Ethanol	ND	300	12	17	•	11	It	Ħ	
Ethyl tert-butyl ether	ND	0.50	"	tt	##	19	H	. н	
Ethylbenzene	ND	0.50	#	tt	**	17	11	n	
Methyl tert-butyl ether	ND	0.50	ıı	Ħ	tt	t#	16	n	
Toluene	ND	0.50	#f	Ħ	tr	11	11	n	
Xylenes (total)	ND	0.50	tt	h	tt	w	**	Ħ	
Surrogate: Dibromofluoromethane		93 %	75-	130		n	. "	tt	
Surrogate: 1,2-Dichloroethane-d4	9	94 %	60-	145	H	ır	**	tf .	
Surrogate: Toluene-d8		96%	7 0	130	H	11	n	. HT	
Surrogate: 4-Bromofluorobenzene		91 %	60	120	n	N	u	#	



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

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612 Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Conventional Chemistry Parameters by APHA/EPA Methods

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EFFL (MPK0369-04) Water	Sampled: 11/10/06 09:50	Received:	11/11/06	08:30					J
Chemical Oxygen Demand Total Suspended Solids	ND ND	30000 10000	ug/l "	1	6K21025 6K15042	11/20/06 11/15/06	11/21/06 11/15/06	EPA 410.4 EPA 160.2	





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K13016 - EPA 5030B P/T / LUFT	r GCMS									
Blank (6K13016-BLK1)				Prepared:	11/13/06	Analyzed	l: 11/14/06			
Gasoline Range Organics (C4-C12)	ND	50	ug/i					T		
Surrogate: 1,2-Dichloroethane-d4	2.13	··	H	2.50		85	60-145			
Laboratory Control Sample (6K13016-BS2)	•			Prepared	& Analyze	d: 11/13/	06			
Gasoline Range Organics (C4-C12)	404	50	ug/l	440		92	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.14		ų	2.50		86	60-145			
Laboratory Control Sample Dup (6K13016-F	SD2)			Prepared a	& Analyze	d: 11/13/	06			
Gasoline Range Organics (C4-C12)	400	50	ug/l	440		91	75-140	1	20	
Surrogate: 1,2-Dichloroethane-d4	2.15		H	2.50		86	60-145			
Batch 6K14028 - EPA 5030B P/T / LUF	GCMS									
Blank (6K14028-BLK1)				Prepared o	& Analyze	d: 11/14/0	06			
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.34		н	2.50		94	60-145			
Laboratory Control Sample (6K14028-BS2)				Prepared a	& Analyze	d: 11/14/(06			
Gasoline Range Organics (C4-C12)	427	50	ug/l	440		97	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.22		tt	2.50		89	60-145			
Laboratory Control Sample Dup (6K14028-B	SD2)			Prepared &	& Analyze	d: 11/14/0	06			
Gasoline Range Organics (C4-C12)	432	50	ug/l	440		98	75-140	1	20	
Surrogate: 1,2-Dichloroethane-d4	2.28	-	,,	2,50		9]	60-145			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar

MPK0369 Reported: 11/22/06 15:08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K13016 - EPA 5030B P/T	/ EPA 8260B									
Blank (6K13016-BLK1)				Prepared:	11/13/06	Analyzed	: 11/14/06	· · · · · · · · · · · · · · · · · · ·		
tert-Amyl methyl ether	ND	0.50	ug/l	· · · · · · · · · · · · · · · · · · ·						
Benzene	ND	0.50	, "							
tert-Butyl alcohol	ND	20	TI .							
Di-isopropyl ether	ND	0.50	11		,					
1,2-Dibromoethane (EDB)	ND	0.50	n							
1,2-Dichlomethane	ND	0.50	11							
Ethanol	ND	300	H.							
Ethyl tert-butyl ether	ND	0.50	11							
Ethylbenzene	ND	0.50	**	-						
Methyl tert-butyl ether	, ND	0.50	**							
Toluene	ND	0.50	t#							
Xylenes (total)	ND	0.50	tt							
Surrogate: Dibromofluoromethane	2.19		n	2.50		88	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.13		H	2.50	-	85	60-145	•		
Surrogate: Toluene-d8	2.18		n	2,50		87	70-130			
Surrogale: 4-Bromofluorobenzene	2.17		4	2.50		87	60-120			
Laboratory Control Sample (6K13016	i-BS1)			Prepared a	& Analyze	d: 11/13/0)6			
tert-Amyl methyl ether	20.3	0.50	ug/l	20.0		102	65-135			
Веплене .	21.4	0.50	17	20.0		107	70-125			
tert-Butyl alcohol	379	20	•	400		95	60-135			
Di-isopropyl ether	19.5	0.50	ь	20.0		98	70-130			
1,2-Dibromoethane (EDB)	22.2	0.50	11	20.0		111	80-125			
1,2-Dichlomethane	22.3	0.50	11	20.0		112	75-125	-		
Ethanol	317	300	11	400		79	15-150			
Ethyl tert-butyl ether	20.5	0.50	u,	20.0		102	65-130			
Ethylbenzene	22.7	0.50	n	20.0		114	70-130			
Methyl tert-butyl ether	20.8	0.50	u	20.0		104	50-140			
Poluene	22.1	0.50	n	20.0		110	70-120			
Kylenes (total)	67.5	0.50	u	60.0		112	80-125		•	
Surrogate: Dibromofluoromethane	2.23		11	2.50		89	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.16		#	2.50		86	60-145			
Surrogate: Toluene-d8	2.29		"	2.50		92	70-130			
Surrogate: 4-Bromofluorobenzene	2.18		ø	2.50		87	60-120			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K13016 - EPA 5030B P/T / F	EPA 8260B									
Matrix Spike (6K13016-MS1)	Source: M	PK0332-05		Prepared	& Analyze	d: 11/13/	06			
tert-Amyl methyl ether	50.2	2.5	ug/l	50.0	ND	100	65-135			
Benzene	210	2.5	"	50.0	170	80	70-125			
tert-Butyl alcohol	2580	100	U	1000	1700	88	60-135		•	
Di-isopropyl ether	48.8	2.5	n	50.0	ND	98	70-130			
1,2-Dibromoethane (EDB)	56.0	2.5	17	50.0	ND	112	80-125			
1,2-Dichloroethane	59.2	2.5	w	50.0	ND	118	75-125			
Ethanol	502	1500	H	1000	ND	50	15-150			
Ethyl tert-butyl ether	51.0	2,5	p	50.0	ND	102	65-130			
Ethylbenzene	130	2.5	"	50.0	85	90	70-130			
Methyl tert-butyl ether	65.0	2.5	п	50.0	12	106	50-140			
Toluene	67.6	2.5	n	50.0	12	111	70-120			
Xylenes (total)	232	2,5	n	150	74	105	80-125			
Surrogate: Dibromofluoromethane	2.29		¥	2.50		92	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.25		Ħ	2.50		90	60-145			
Surrogate: Toluene-d8	2.37		Ħ	2.50		95	70-130			
Surrogate: 4-Bromofluorobenzene	2.23	,	н	2.50		89	60-120			
Matrix Spike Dup (6K13016-MSD1)	Source: M	PK0332-05		Prepared o	& Analyze	d: 11/13/0)6			
tert-Amyl methyl ether	50.2	2.5	ug/i	50.0	ND	100	65-135	0	25	
Benzene	207	2.5	v	50.0	170	74	70-125	1	15	
ert-Butyl alcohol	2560	100	*	1000	1700	86	60-135	0.8	35	
Di-isopropyl ether	47.8	2.5	*	50.0	ND	96	70-130	2	35	
1,2-Dibromoethane (EDB)	54.8	2.5	**	50.0	ND	110	80-125	2	15	
1,2-Dichloroethane	58.2	2.5	**	50.0	ND	116	75-125	2	10	
Ethanol	537	1500	er	1000	ND	54	15-150	7	35	
Ethyl tert-butyl ether	50.3	2.5	• 11	50.0	ND	101	65-130	1	35	
Sthylbenzene	130	2.5	n	50.0	85	90	70-130	0	15	
Methyl tert-butyl ether	63.4	2.5	n	50.0	12	103	50-140	2	25	
l'oluene	66.4	2.5	n	50.ď	12	109	70-120	2	15	
Kylenes (total)	234	2.5	u	150	74	107	80-125	0.9	15	
Surrogate: Dibromofluoromethane	2.22		"	2.50	<u></u>	89 .	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.13		,,	2.50		85	60-145			
Surrogate: Toluene-d8	2.31		и	2.50		92	70-130			
Surrogate: 4-Bromofluorobenzene	2.30		tr	2.50		92	60-120			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K14028 - EPA 5030B P/T	/ EPA 8260B			.,						
Blauk (6K14028-BLK1)				Prepared of	& Analyze	d: 11/14/	06			
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	n							
tert-Butyl alcohol	ND	20	n							
Di-isopropyl ether	ND	0.50	ii							
i,2-Dibromoethane (EDB)	ND	0.50	tr.							
1,2-Dichloroethane	ND	0.50	. h							
Ethanol	ND	300	r			•				
Ethyl tert-butyl ether	ND	0.50	H							
Ethylbenzene	ND	0.50	91							
Methyl tert-butyl ether	ND	0.50	H							
Toluene	ND	0.50	11							
Xylenes (total)	ND	0.50	tr							
Surrogate: Dibromofluoromethane	2.32		n	2.50		93	75-130			
Surrogate: 1,2-Dichloroethane-d4	2,34		n	2.50		94	60-145			
Surrogate: Toluene-d8	2.40		et	2.50		96	70-130			
Surrogate: 4-Bromofluorobenzene	2.34		n	2.50		94	60-120			
Laboratory Control Sample (6K14028	3-BS1)			Prepared d	& Analyze	d: 11/14/0	06			
tert-Amyl methyl ether	11.2	0.50	ug/i	10.0		112	65-135			
Benzene	10.0	0.50	n	10.0		100	70-125			
tert-Butyl alcohol	196	20	n	200		98	60-135			
Di-isopropyl ether	10.1	0.50	B	10.0		101	70-130			
1,2-Dibromoethane (EDB)	10.5	0.50	Ħ	10.0		105	80-125			
1,2-Dichloroethane	9.78	0.50	н	10.0		98	75-125	•		
Ethanoi	- 189	300	11	200		94	15-150			
Ethyl tert-butyl ether	10.5	0.50	19	10.0		105	65-130			
Ethylbenzene	10.4	0.50	11	10.0		104	70-130			
Methyl tert-butyl ether	10.7	0.50	II	10.0		107	50-140			
Foluene .	10.0	0.50		10.0		100	70-120			
Xylenes (total)	31.2	0.50	11	30.0		104	80-125			
Surrogate: Dibromofluoromethane	2.48		n	2,50		99	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.39		u	2,50		96	60-145			
Surrogate: Toluene-d8	2.45		#	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.48		#	2.50		99	60-120			





Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012 Project Manager: Alok Kolekar MPK0369 Reported: 11/22/06 15:08

Analyte	Result	Reporting Limit	Units	Spīke Level	Source Result	%REC	%REC Limits	מממ	RPD	Nt.
		Linut	Units	Level	Result	VaRCEC	Limis	RPD	Limit	Notes
Batch 6K14028 - EPA 5030B P/T / I	EPA 8260B									
Matrix Spike (6K14028-MS1)	Source: M	PK0376-06	•	Prepared:	11/14/06	Analyzed:	11/15/06			
tert-Amyl methyl ether	12.9	0.50	ug/l	10.0	ND	129	65-135			*******
Велгене	12.7	0.50	Ħ	10.0	ND	127	70-125			LN
tert-Butyl alcohol	238	20	n	200	ND	119	60-135			
Di-isopropyl ether	12.8	0.50	Ħ	10.0	ND	128	70-130			
1,2-Dibromoethane (EDB)	12.7	0.50	н	10.0	ND	127	80-125			LN
1,2-Dichloroethane	12.6	0.50	H	10.0	ND	126	75-125			LN
Ethanol	247	300	13	200	ND	124	15-150			
Ethyl tert-butyl ether	12.8	0.50	11	10.0	ND	128	65-130			
Ethylbenzene	13.0	0.50	Ħ	10.0	ND	130	70-130			
Methyl tert-butyl ether	12.9	0.50	11	10.0	ND	129	50-140			
Toluene	12.6	0.50		10.0	ND	126	70-120			LM
Xylenes (total)	38.5	0.50	Ħ	30.0	ND	128	80-125			LM
Surrogate: Dibromofluoromethane	2.46		n	2.50		98	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.46		tt	2.50		98	60-145			
Surrogate: Taluene-d8	2.44		tt	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2.43		tt .	2.50		97	60-120			
Matrix Spike Dup (6K14028-MSD1)	Source: M	PK0376-06		Prepared:	11/14/06	Analyzed:	11/15/06			
tert-Amyl methyl ether	13.0	0.50	ug/l	10.0	ND	130	65-135	0.8	25	
Benzene	12.3	0.50	. *	10.0	ND	123	70-125	3	15	
tert-Butyl alcohol	231	20	*	200	ND	116	60-135	3	35	
Di-isopropyl ether	12.6	0.50	*	10.0	ND	126	70-130	2	35	
1,2-Dibromoethane (EDB)	12.8	0.50	•	10.0	ND	128	80-125	0.8	15	L,N
1,2-Dichloroethane	12.6	0.50	**	10.0	ND	126	75-125	0	10	LM
Ethanol	246	300	**	200	ND	123	15-150	0.4	35	
Ethyl tert-butyl ether	12.5	0.50	Ħ	10.0	ND	125	65-130	2	35	
Ethylbenzene	12.4	0.50	Ħ	10.0	ND	124	70-130	5	15	
Methyl tert-butyl ether	12.9	0.50	п	10.0	ND	129	50-140	0	25	
Toluene	12.1	0.50	U-	10.0	ND	121	70-120	4	15	LM
Xylenes (total)	36.6	0.50	п	30.0	ND	122	80-125	5	15	
Surrogate: Dibromofluoromethane	2.48		**	2.50		99	75-130			
Surrogate: 1,2-Dichloroethane-d4	2,52		ıı	2.50		101	60-145	7		
Surrogate: Toluene-d8	2.46		"	2.50		98	70-130			
Surrogate: 4-Bromofluorobenzene	2,43		H	2,50		97	60-120			





Project: ARCO #0608, San Lorenzo, CA

MPK0369 Reported: 11/22/06 15:08

Project Number: G0C24-0012 Project Manager: Alok Kolekar

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6K15042 - General Preparati	on / EPA 160.	2					•			
Blank (6K15042-BLK1)		Prepared & Analyzed: 11/15/06								
Total Suspended Solids	ND	10000	ug/l							
Duplicate (6K15042-DUP1)	Source: M	Prepared & Analyzed: 11/15/06								
Total Suspended Solids	ND	10000	ug/l		ND				20	
Batch 6K21025 - General Preparati	on / EPA 410.	4								
Blank (6K21025-BLK1)				Prepared:	11/20/06	Analyzed	: 11/21/06			
Chemical Oxygen Demand	ND	30000	ug/l					·		
Laboratory Control Sample (6K21025-BS1)				Prepared:	11/20/06	Analyzed	: 11/21/06			
Chemical Oxygen Demand	119000	33000	ug/l	111000		107	75-120			
Matrix Spike (6K21025-MS1)	Source: MPK0650-01			Prepared: 11/20/06 Analyzed: 11/21/06						
Chemical Oxygen Demand	188000	33000	ug/l	111000	58000	117	75-120			
Matrix Spike Dup (6K21025-MSD1)	Source: M	Prepared: 11/20/06 Analyzed: 11/21/06								
Chemical Oxygen Demand	187000	33000	ug/l	111000	58000	116	75-120	0.5	15	



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

URS Corporation [Arco] 1333 Broadway, Suite 800 Oakland CA, 94612

Project: ARCO #0608, San Lorenzo, CA

Project Number: G0C24-0012
Project Manager: Alok Kolekar

MPK0369 Reported: 11/22/06 15:08

Notes and Definitions

LM MS and/or MSD above acceptance limits. See Blank Spike(LCS).

IC Calib. verif. is within method limits but outside contract limits

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Chain of Custody Record

Project Name: Station 608 - O&M - Remediation

BP BU/AR Region/Enfos Segment: Retail

State or Lead Regulatory Agency: Oro Lona Sanitary District

Requested Due Date (mm/dd/yy): ///

Lab Name; Sequoia A	nalytical (Morgan Hill)					BP/AR Facility No.	:		Stati	оп б	08							Солв	ultani	/Con	ilme	lor.		URS Oakland		-
Lab Address: 885 Jarv	is Drive					BP/AR Facility Add	dress	:	1760)1 H	sper	ian B	lvd,	San.	Lore	120	/	Addn	38 8 :					1333 Broadway, Sui	te 800	
	Morgen Hill, CA					Site Lat/Long:	37.6	7388	8/-	122.1	23													Oakland CA 94612		
Lab PM: Lisa Race						California Global II	DΝ				085													ect No.: 3848759	0	
Tele/Fax: 408-782-81	56/408-782-6308			·		Enfos Project No.:		GDC	24-0	012						•	<u> </u>	Cons	altant	/Con	trao	tor P	M	Alok Kol	eknr	
BP/AR PM Contact:	Paul Supple					Provision or RCOP	: Pr	visio	otr _									icle/	Fax:					510.893.	3600/510.8	374.3268
Address:	P.O. Box 6549					Phaso/WBS:	03 -	0&1	/ L										rt Ty					Level 1 a	nd EDF	
			•								•		•											car@urscorp.com,		
	Moraga CA 94570					***************************************		Anal			<u>. </u>													bpedf@bmadbentine		
Tele/Fax:	925.299.8891/925.299.8872			المحاد ال		Cost Element:	05 -	Subc			_		i									anto	or B	P or Atlantic Richfie	d Co. (cir	cle one)
Lab Bottle Order No	:			Ma	trix				P	CSC1	vati	ve		<u> </u>		R	eque	sted	Aun]	ysis	_				-	<i>M</i> . <i>I</i>
Item No.	Sample Description	Time	Date	Sail/Solid	Watel/Layun	Laberatory No.	No. of Containers	Unpreserved	H,50,	ENO,	ECI	Methanol		BTEX/Oxy/TPH (8260)	COD (410.4)	IBS (160.2) ·								MPK 63		Comment
1	INF	1005	Wholes		-	+1	2	П			X		=	Х	_=		₩ i	T	T	T	寸	T				
			איין שק		\neg											-	+	\dashv	_	- -	-					
2	MID-1	1000		<u> </u>		مان	_3		_		X			X	_	_	4		_	_	4	_		····	····	
3	MID-2	©155		2		-7	3				X			X.												
4	EFFI,	চ্গাৎত		2		berg	_3				X.			X								_ [•		ı
	BPFI	09 50	·	. 3		. 1	1	х								х						T				
6	EFFL	<i>6</i> 950		7		L	1		х		·			\Box	x				\Box							
7	TRIP BLANK	5900	V	3		W	2 /2 Z /2				X						\neg					7		HOLD		
8					1		r										寸	7	T	7	7	\dashv				
9					1		_							П		寸	1		┪	1	7	十				
10	· · · · · · · · · · · · · · · · · · ·				╁	Л	-									一	-	-		+	\dashv	十				
· · · · · · · · · · · · · · · · · · ·	DHLIN KUSS		<u> </u>	<u>H</u>		/// Reliyiq	7071	d By	/ / 46	llatio	71	<u> </u>	=	Da	ta l	Tin	,,			<u></u>	1	14172	.V	Affiliation	Date	Time
Sampler's Company							W.		U		-		=			122		32			7		->-	C. C. C. C. C. C. C. C. C. C. C. C. C. C	177/13	الحصيا
	11/16/030	·····				45			40							160		X.	-	<u> </u>	7	20	4	TWIII-		13.30 13.30
Shipment Method:	Lhano				(<u> </u>	=					,	\dashv	۲ <i>۳</i> ۳۹	700	, 60	<u> </u>	_14	(C)	¥	~	21/	<u>V</u> 2		- uu	888
imment Tracking No:						-			····		┢	ᅱ			=					_	J 	1				
mstructions		***************************************				1							<u></u>	<u> </u>	1						****					<u>'</u>
	Temp Blank Yes X No Cooler Temperature on Receipt 2.1 OFC Trip Blank Yes X No																									

"bution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

4.70

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: REC. BY (PRINT)	Bp 1608		DATE REC'D AT LAB:			_		•-	tory Purposes? WATER YES	·/-
WORKORDER:	MPK 6369		DATE LOGGED IN:	,	12,-44	,		WASTE WA	_	
						-		88340 LT, 881	AILA 1E3/	IVO
CIRCLE THE APPR	OPRIATE RESPONSE	LAB		T 001-111-1-1	Table		· Tarkan	·····		<u>: :</u>
	···	SAMPLE#	. CHENT ID	CONTAINER DESCRIPTION		pН	SAMPLE	DATE	REMARKS	
1. Custody Seal(s)	Present/Absent	61	INF:				MATRIX	SAMPLED	CONDITION (E.	10.)
	Intant / Broken*	br-		& COAS	Her	-		·IIIto		
2. Chain-of-Custody .	Present / Absent*	υ3	MID-1	Same	SAME					<u> </u>
3. Traffic Reports or		OLY	W10 - 5	 	1	 				
Packing List:	Present / Absent	/	EFL.					<u> </u>	-	•
4. Airbill:	· Airbilly Sticker	1		AMBER!	*****					. !
•	Present / Absent	68	EHL	250 Bay	HNO3					
5. Airbill #: SEC		- 64	TOP BLANK	2000	Hel	7	<u></u>		•	
6. Sample Labels:	Present / Absent	-								,
7. Sample IDs:	Listed / Not Listed		· · · · · · · · · · · · · · · · · · ·							
	on Chain-of-Custody			ļ <u>-</u>	<u> </u>				-	
8. Sample Condition:	Intagt / Broken*/			ļ						. \$
	Leaking*									. 1
9. Does information or	chain-of-custody.	· · · · · ·		<u> </u>						
traffic reports and s	ample labels	-								
agree?	Yes / No*		· · · · · · · · · · · · · · · · · · ·					<u> </u>		
10. Sample received with	in O						<u></u>	_ · ·		
hold time?	Yes/No*		·	1110		11-1				
11. Adequate sample volu	ime			111110	· · · [
received?	Ses/No*		·	<u> </u>					•	
12. Proper preservatives u	used? Yes / No*	· · · · · · · · · · · · · · · · · · ·		····	<u> </u>					· [
13. Trip Blank / Temp Blan	ok Repaired?	<u>-</u> -				<u> </u>		-		
(circle which, if yes)	Yes / No*		/	·						
14. Read Temp:	2.1					•				
Corrected Temp:									•	
	3.1°C	_/_		:		1				
'Is corrected temp 4+/	Yesy No**		•	• [.				١.		
(Acceptance range for samples r	requiring thermal pres.)									—
Exception (if any): META or Problem GOC	ALO 1 DEF ON ICE									
OI LAONISH POOL										
ັ້ ^{ຈາ} າ- Revision 8 ັາ- Rev. 7 (07/19/05	i) .	*IF.CIRCL	ED, CONTACT PROJECT	MANAGER AN	D ATTAC	H REC	ORD OF	RESOLUTIO	N.	

California Overnight Shipping Label



Date Printed 11/10/2006

Shipped From: TEST AMERICA - SACRAMENTO 819 STRIKER AVENUE 8 SACRAMENTO, CA 95834



Tracking#D10010110828005

Sent By: TIM ALBRIGHT Phone#: (916)921-9600

wgt(lbs): 69 Reference:

Decl. Value: \$0.00

Ship To Company:

TESTAMERICA - MORGAN HILL 885 JARVIS DR MORGAN HILL, CA 95037 SAMPLE CONTROL (408)776-9600 Service: S

Sort Code: SJC

Special Services:
Saturday Delivery

ATTACHMENT B OPERATION AND MAINTENANCE FIELD LOGS

	5. S.A.C.		ASM KRAN
dentification			

Project#

38487590

Cost Code: 0033501

Station#

Site Address:

ARCO 0608 17601 Hesperian Blvd. .

County:

San Lorenzo CA

Project Manager: ." Lead Engineer:

Donna Cosper (874-3019) Amber Budd (874-1769)

Client

BP

Client P.O.C.: Revision Date:

Paul Supple

Laboratory:

2/13/2006 Sequoia

Site Remedial Technologies: Groundwater Extraction (GWE)

Permit Type: POTW

Complete attached Data Sheets as prescribed in the following table:

Scheduling Table

Sandaning Value			<u> </u>		
Data Sheet	To be	Budgeted Hrs	Actual Him	Mob-do Mob	Completed
Section(s) / Part(s)	Completed	,		.	
GWB (A, B, E)	Every Visit				·
GWE (C, D, G)	Monthly				
GWE(F)	Quarterly				•

Monthly = once a month during week 1

Quarterly = once every quarter during months 1,4,7,10

Comments:		• • •		• •
		•	· ·	
			*	
•	. *	•	•	
Departure Check:	_		• •	

Sample Ports Closed:

Gate Locked: .

System Controls in Auto Mode;

No

No No

System Under Compliance:

(If nd, was the Engineer/PM contacted?)

Field Technician Response:

D. Ross

Date:

Completed by:

0940

Departure time:

Arrival time: Sample this visit?;

ารรูป (ราว) (พ.ศ. 1964) (พ.ศ. 1967) (พ.ศ. 1964) (พ.ศ. 1964) (พ.ศ. 1964) (พ.ศ. 1964) (พ.ศ. 1964) (พ.ศ. 1964) (พ.ศ. 1964)

Engineer contacted?

Date: 11/10/06

Groundwater Extraction & Treatment System ARCO Service Station No. 0608 17501 Hesperlan Hivd. San Lorenzo CA

System Description:

			Grout	dwater Ext	raction Well	s	
Extraction Well	Size	Тура	Control	Screen Interval	Set Depth (TOB)	Well Online	Totalizer Reading (gallons
E-IA	ju ju	Electric (Grandfos 55Q05A-180)	otuA		23.9	Yes	ادر المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية الم

Abatement Device;

Carbon Vessols: three ASC-2,400 lbs Filter: Resedule P2 25 micron

Equipment Required:

pH mater, conductivity and temp meter, water level meter

PART A: SYSTEM DATA (twice a month during week 1 & 3)

System on upon enrival? System on departure? Filter Changed?		- 965 - 1965	(if no, specify reason in comments (if no, specify reason in comments
--	--	-----------------	---

MEASUREMENT TOTALIZER (gallons)	ON ARRIVAL	ON DEPARTURE IF BACKFLUSHED OR FILTER CHANGED
	4732180	
ELECTRIC METER READING (KWh)	49711	N/A
Haur Meter Reading (brs)	33483,7	N/A
FILTER INLET PRESSURE (psig)	(Change filter if pressure > 30 psig) 40	
CARBON#1 INLET PRESSURE (prig)	(Backflock If	After changing filter=
Carbon #2 inlet pressure (palg)	(Backflush if anyone > 10 moles 5	After backflush =
ARBON #3 INLET PRESSURE (psig)		After beakflugh =
DISCHARGE PRESSURE (peig)	(BackHush if pressure > 10 psig)	After backflush =
EFF FLOW RATE (gpm)	M.A. nou	· · · · · · · · · · · · · · · · · · ·

PART B:	COMMENTS
---------	----------

PART C: WELL DATA (Monthly)

* Allow system to run 1 hour before obtaining DTW readings

WellID	Size	Time	DTW (Feet).	TD (Feet)
E-1A UST-A	7,-	. 6.2		ID (Ecci)
UST-B		1 ect	<u> </u>	
8P1-V4	-	CO.		

	Monthly during week 1)	STRONG PROPERTY OF THE PROPERT
INFLUENT	GRO/BTEX /Fuel Oxys, EPA 8260, 14-day 7/17	3X40 mL HC! VOA's
MID 1	GRO/BTEX /Fuel Oxyx, EPA 8260, 14-day TAT	3X40 mL HCi VQA'n
MID 2	GRO/BTEX /Faci Oxys, EPA 8260, 14-day TAT	3X40 mL HC! VOA's
EFFLUENT	GRO/BTEX /Puel Oxys (EPA 8260), COD (410.4), TSS (160.2), 14-day TAT	3X40 mL HC1 VOA's, Iunpreserved, 1 H ₂ SO ₄
TRIPELANK	GRO/HTEX, EPA 8260 (on Hold)	3X40 mL VOA supplied by the lab

TAKI LI STSIEM MAINTENANCE (Every Visit)	<u> </u>	
Sump Fump Tested?	is har	Englosure Swept?	PO.
Test Compound Float Switch?	yes	Test Filter Pressure Switch?	120
Air Solengid Valve?	12 (Pr	Number of Spare Filters On Site?	6

PART V: SYSTEM MAINTENANCE (M.

Colomoral his Decree (Th. 1)	Chinese 142 12 101	
Submersible Pumps Checked?	Flow Totalizers Cleaned?	
	NO PROPRIORISCIS CICADEUT	1 200 1
Control Logica Checked? .		
	No I	l t
		i i

PART G: READINGS (Monthly during week 1)

EFFLUENT .	рн (UNITS): 4.03		Riccirical Canductivity: /152-	Dissolved Oxygen (ppm): N loc
permit limits:	5.5 to 12.5	150°F	,	



Chain of Custody Record
Project Name: Station 608 - O&M - Remediation
BP BU/AR Region/Enfos Segment: Relati

State or Lead Regulatory Agency: Oro I

Requested Due Date (mm/dd/yy):

(14- day TAT)

Oro Loma Sanitary District

Тептр: Offerite Time: Temp: Sky Conditions: Please Direction: AJ/A

						(14-0ay JA1)																			_		=	
Lab Name: Bequeia A	nalytical (Morgan Hill)		· . • ;	-	;	BP/AR Facility	√o.±	_	K!	Aliox	ZስΩ						.)		rlian(-			_					
Lab Address: 885 Jaco					•	BP/AR Pacility !		53 ;				erien.	Plot	Ran	Your	TI-STO		Addre	THE COLUMN	/Um	THE	OI:			deland			
	Morgan Hill, CA					Sits Lat/Long:				/-12/				, 6,444		444		exoune	. 65,		<u> </u>					y, Snite	800	
Leb PM: Lisa Race					٠	California Globs											-#	7000	· Stant	//·-		"	Us	drand	CA 94			
Tele/Fex: 408-782-813														Consultant/Contractor Project Nu.: 38487590 Consultant/Contractor PM: Alok Kolekar														
BP/AR PM Contact:						Provision or RCC		lovi	rien					_		·		icle/I		CUIL	the str	II PA	W15		_			
Address:	P.O. Box 6549					Phase/WBS:		- 08											их. 1 Тур	- 0					<u>- 510,</u>	893.36)USU	0.874.32
 									,						_	-	-#	Sanai Sanai	HILLY F TABL) To	ا مال امال	07C)			Leve	ll and	EDF	
	Mones CA 94570 925.299.8891 <i>8</i> 925.299.8872					Sub Phase/Tesle			alyli		_							mbet	bide	3/20m	CECOU	r con	m. bas	न्युक्तकार पर्यक्रमध्य)IP.COO	ntine.c		
Lab Bettle Order No.				1 2 4	-	Cost Homent:	0.5	- Sul		hack		_					ū	TACKO	e to:	Con	miles	of or	BP or	Affer	offic Riv	inine e	70 f	circle on
340 Betal (142 110		- H	7	- N	iriz.	• •	1	L	7	Prou	TY#	ire				R	eque	det.	Arroly	73 18			7			ALL COLUMN	= (0	1010 01
Heru Na.	Sample Description ,	Thus	Date	Soll/Sold	Air	Laboratory No.	No. of Containers	Unpresurved	E,SO,	HNG	HOI	Mathaiol		HIEX/Ory/IPH (\$260)	COD (410.4)	(160.2)							Can	opie I	ioint I.	WLon	हे समाग्र	Солиц
1	NR	lend	"Po bio	X			F.	严	1 199	1-	-			_	نلت	일.	╌┝	٠.	<u>Ļ</u> ,	ᆜ	ــــ					•		
2	VIID-1	1000					1-3	 -	 	 -	X	┦╌┦		K		+	1	╀	_	<u> </u>	丄	<u>.</u>	<u> </u>					
	MID-2	9755		⊢^^ X	_		3	-	ļ	-	X			<u> </u>	_ _	1	╄	4	1_	<u> </u>	<u> </u>		L					
	Wil.	0180		X	_		-3		Ŀ		X	 		4	- -	- -	1	<u> </u>	<u> </u>	<u> </u>			L				-	
	SPL.	07.50		X			_3	-	<u> </u>		X	_	_	Ҵ_	- -	+		丄	<u> </u>									
	MT	0150		X			H	X		-	-			- -	X	_	_	<u> -</u>					<u> </u>					
	RIPBLANK	5700	17	X			-	-	Χ.	_	_	-	_	_ X	4	╀_	<u>↓</u>	_										
8	t.	12.00		- 12	┢		P				X.	4	-11-	1	4	1_	<u> </u>	L					HOL	D D		•		
9					H		$-\parallel$	_	[-	_		_ _	_ _	Ļ		_											
10		1			╟╢				-4	_	_		_ _	1	Ŀ	Ŀ	L											
ampler's Name:	UN Costs		(-/	البو			_			1		<u>. </u>					$\overline{\cdot}$. 1			**********				
ampler's Company:	Wes				╼╠	. Religi					١,		البي	Dafe		Taye			/	Dirt.	44 B	ΑXv	iii ii	0D	حببحب	Į D	7. 1	
	16 010				╼╢╌		₹.	1	<u>uļ</u>	9			7	obj	/2	<i>1</i> 0	7		2			7						Dimt (C) To
hipmeni Method:	hano				-∦-								╢		<u> _</u>			7.	<u> </u>				72			- ''	<u> </u>	N KO
hipment Tracking No	:				╼╟╌						· ·		4		_										•	-∏	-∦	
pecial Instructions:	.^		•	()					-		-			=	<u>l</u>						·					-	╅	— <u>-</u> -
	•								<u> </u>			~					• •	•					-				<u>n_</u>	
iustody Seels In Place	Yes No		1	com F	lank	Yea X No				, 61	1-	173																
- Di	stribution: White Copy-La	boratory/	Yellow	Српч	PP	Atlentic Dicker	30	- 7=	-	. / U	norg	r Ten	Ď.	TUDO	00.1	conj	면		WC.		_T	ip E	lank	Yes	X M			
-							الب	. /5	THE .	COD.	}-(ADDIBIT.	ltant	Com	teç	Or T						· Yr	000	D	4 107/		==	



ELC 7 - 2008

3330 Cameron Park Drive, Ste 550 Cameron Park, California 95682 (530) 676-6004 ~ Fax: (530) 676-6005

DEC 1 6 2006

December 12, 2006

Mr. Rob Miller Broadbent & Associates 2000 Kirman Ave. Reno, NV 89502

Re:

System O&M Data Package, ARCO Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Field activities performed on November 29, 2006)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson

Phone Number: (530) 676-6000

On-Site Supplier Representative: Chris Hill

System Overview: Groundwater Extraction and Treatment System

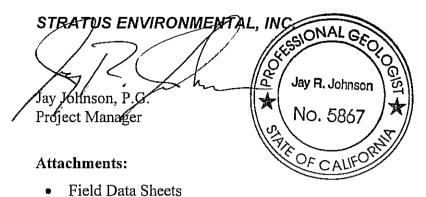
Operational Status: Continuous operation.

Scope of Work Performed: Field measurements taken.

Variations from Work Scope: None

The attachments include field data sheets. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,



CC: Paul Supple, BP/ARCO

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard

San Lorenzo, California



Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Date: Onsite Time: Offsite Time: Equipment Info)(-Z9-0(0740 0830 ormation/Model			Technician: Weather Co Ambient Te n Dia. Extrac 2,400-poun	onditions: mperature tion Well wi	CHILL Cleve 36 th Grundfos Pump /essels.		
System Status	Upon Arrival:	囟	Operationa	al		Non-operational		
System Status	Upon Departur	e: 🗵	Operationa	al		Non-operational		
Extraction Wel	l Pump:	\triangleright	Operationa	al		Non-operational		
Transfer Pump	· N/A		Operationa	al		Non-operational		
Electric Meter	Reading:	509	75			Chang	e Filter	BAI
Hour Meter Re	ading:	342	37.1	<u> </u>		·		
Flow Totalizer	Reading Before	Carbon Trea	tment:	N/A		/		
Flow Totalizer	Reading After C	Carbon Treatm	nent:	<u>473</u>	2186	ን		
No. of Carbon	Vessels:	Three 2,400 F	Pound Virgin	n Coconut S	hell Carbon	in Series		
		Particulate Filter	Vessel 1	Vessel 2	Vessel 3			
inlet Pressure,	psig	1	4	3.5	X			
		Fiel	d Measure	ments (Mor	ithly)		ĺ	
Sample Port	Temperature	рН	Electrical C	Conductivity				
	°F	units	msie	mens				
Effluent								
							İ	
		Sampling Ir	formation	(Monthly)			1	
Samp	ole ID	Date &		Samp	ole ID	Date & Time		
00608WINF								
00608WINF								
00608WGAC1								
00608WEFF								
Signature:	Of a	M	1	Date [.]	11-29	:06		

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard

San Lorenzo, California

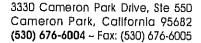


Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
TPHG	Monthly	INF, GAC-1, GAC-2, & EFF	EPA Method 8260B
BTEX	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 8260B
5-0xys	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 8260B
TSS	Monthly	EFF	EPA Method 160.2
COD	Monthly	EFF	EPA Method 410.4

Operation & Maintenance Notes
Change BAG Filter
0////
Signature:
The state of the s

Page 2 of 2





January 4, 2007 Project No. E608-3

Mr. Jeff Carson Oro Loma Sanitary District 2600 Grant Avenue San Lorenzo, California 94580

Subject:

Monthly Discharge Report -December 2006

Discharge Permit No. SPD-037 ARCO Service Station No. 608 17601 Hesperian Boulevard San Lorenzo, California 94580

Dear Mr. Carson:

Stratus Environmental, Inc. (Stratus) has prepared this monthly report of waste discharge on behalf of Atlantic Richfield Company (a BP Affiliated Company), for the groundwater extraction and treatment (GWET) system operated at ARCO Service Station No. 608, 17601 Hesperian Boulevard, San Lorenzo, California (Figures 1 and 2). This report presents a summary of the GWET system's operational and performance data for reporting period of November 29 through December 5, 2006. The GWETS operational parameters for December 2006 are summarized below:

Treatment System Status: Shutdown on December 5, 2006

Reporting Period: November 29, 2006 to December 5, 2006

Volume Discharged This Period: Zero gallons

Average Flow Rate This Period: 0.00 gallons per minute (gpm)

Effluent pH Reading: Not sampled (system shutdown on 12/05/06)

Analytical Report: Not sampled (system shutdown on 12/05/06)

Discussion:

During December 2006, Stratus conducted only one site visit (Appendix A) to shutdown the GWET system to facilitate change of operator information in the sewer discharge permit. In a letter dated December 18, 2006, Stratus requested Oro Loma Sanitary District (OLSD) to change

the operator information from URS Corporation Americas (URS) to Stratus. OLSD in a telephone conversation on December 21, 2006, indicated the change of operator was approved and the GWETS could be re-started. Stratus re-started the GWETS on January 2, 2007 and was shutdown the same day after sample collection. The GWETS will be re-started pending receipt and verification of analytical results.

Based on the hour meter readings, the GWETS operated for approximately 6 days between November 29, 2006 and December 5, 2006, and was likely shutdown on December 4, 2006 for unknown reasons. Although the hour meter of the submersible pump indicates that the pump operated for approximately 6-days between November 29 and December 4, 2006, the totalizer reading remained unchanged for both these dates. This probably is due to clogging of filter vessels or pump malfunction. On January 2, 2007, the GWETS was re-started after replacing the bag filters and the system appeared to be functioning normally. The GWETS was switched off the same day after sample collection and will be re-started pending receipt and verification of analytical data.

Upon system re-start, Stratus will collect the influent, mid-fluent (between carbon vessels, see Figure 3), and effluent water samples and forward them to a state-certified laboratory for chemical analysis. The water samples will be analyzed for gasoline range organics (GRO), benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary butyl alcohol (TBA) by United States Environmental Protection Agency (USEPA) Method 8260B. In addition, per discussions with OLSD, the influent and effluent water samples will also analyzed for metals and total oil and grease.

CERTIFICATION

"I certify under the penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

If you have any questions regarding this report, please contact Jay Johnson at (530) 676-6000.

n, P.G.

Project Manager

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Kiran Nagaraju Staff Engineer

cc:

Mr. Paul Supple, Atlantic Richfield Company

Mr. Chuck Headlee, Regional Water Quality Control Board

Mr. Rob Miller, Broadbent & Associates, Inc.

Attachment: Table 1 Groundwater Extraction Performance Data

Figure 1 Site Location Map

Figure 2 Site Plan

Figure 3 Process Flow Diagram Appendix A Field Data Sheets Jay R. Johnson Ja

Q. 5867

Table 1. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

					***			GRO/TPH-	9		Benzene			MTBE	
		Hour	System				Influent			Influent	* · · · · · · · · · · · · · · · · · · ·		Influent		
Influent		Meter	Down	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Сопсеп-	Net	Removed
Sample	Foot	Reading	Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Date	note	(hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(μg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
09/25/91		0	1	0	0	0.0	ND		0.00	_	0.000	0.00			
09/26/91				1,144	1,144		38	0.00	0.00	4.8	0.000	0.00	_		
10/22/91		26	95.9	12,844	11,700	7.6	ND		0.00	ND	0.000	0.00			
11/22/91	<u></u>	77	93.1	52,532	39,688	13,0	ND		0.00	0,5	0.000	0.00			
12/19/91		322	62.1	122,540	70,008	4.8	ND		0.00	ND	0.000	0.00			
01/16/92	<u> </u>	994	0.0	283,289	160,749	4.0	ND		0.00	ND	0.000	0.00			
02/19/92	<u> </u>	1,809	0.2	485,200	201,911	4.1	370	0.31	0.31	14.0	0.012	0.01			
03/17/92	<u> </u>	2,462	0.0	662,847	177,647	4.5	160	0.39	0.70	18.0	0.024	0.04			
04/15/92		3,150	1.1	851,100	188,253	4.6	200	0.28	0.99	11.0	0.023	0.06			
05/14/92	<u> </u>	3,849	0.0	1,030,086	178,986	4.3	45	0.18	1.17	1.4	0.009	0.07			
06/19/92	<u> </u>	4,712	0.1	1,229,960	199,874	3.9	ND	_	1,17	ND	0.001	0.07		-	
07/14/92		5,001	51.8	1,291,201	61,241	3.5	97	0.02	1.19	25.0	0.006	0.08	-	-	_
08/18/92				1,410,018	118,817		ND		1.19	ND	0.012	0.09		-	
09/15/92		6,298		1,535,640	125,622	3.1	ND		1.19	ND	0.000	0.09	_	_	
10/16/92	<u> </u>	7,012	4.1	1,651,623	115,983	2.7	ND		1.19	ND	0.000	0.09		-	
11/18/92		7,809	0.0	1,768,076	116,453	2.4	ND	-	1.19	ND	0.000	0.09		_	
12/17/92	ļ	8,502	0,4	1,864,300	96,224	2.3	96	0.04	1.23	7.7	0.003	0.09			
01/18/93	ļ	8,798	61.5	1,915,165	50,865	2.9	100	0.04	1.27	13.0	0.004	0.10			
02/22/93	 	9,607	0,0	2,096,930	181,765	3.7	480	0.44	1.71	36.0	0.037	0.13			
03/15/93		10,113	0.0	2,205,833	108,903	3.6	310	0.36	2.07	29.0	0.030	0.16		_	_
04/09/93	 	10,517	32.8	2,298,770	92,937	3.8	140	0.17	2.25	11.0	0.015	0.18			
05/13/93	 	11,211	14.9	2,449,160	150,390	3.6	530	0.42	2.67	27.0	0.024	0.20			
07/20/93	├	11,734	1.0	2,543,500	94,340	3.0	170	0.28	2.94	5.2	0.013	0.21			
08/16/93	 	12,573 13,219	24.0 0.3	2,689,697 2,791,366	146,197	2.9	200	0.23	3.17	12.0	0.010	0.22			<u> </u>
09/13/93	-	13,888	0.4	2,791,366	101,669 93,370	2.6 2.3	150	0.15	3.32	4.9	0.007	0.23			
10/08/93	-	14,485	0.4	2,004,736	67,001		80	0.09	3.41	2.2	0.003	0.23			
11/19/93	┨	15,494	0.0	3,036,032	84,295	1.9	ND ND	0.02	3.43	ND	0.001	0.24			
12/21/93	 	16,260	0.3	3,113,565	77,533	1.7		0.00	3.43	ND	0.000	0.24			
01/18/94	\vdash	16,200	0.0	3,113,565	77,335	1.9	73 60	0.02	3.45	3.5	0.001	0.24			
02/17/94	\vdash	17,658	0.0	3,190,900	82.820	1.9		0.04	3.49	3.1	0.002	0.24			
03/15/94	 	18,235	7.5	3,344,249	70.529	2.0	ND ND	0.02 0.0D	3.51	2.5	0.002	0.24			
04/21/94	 	18,849	30.8	3,418,537	70,529	2.0	110	0.03	3.51 3.55	ND	0.001	0.24			
05/13/94		19.351	5.1	3,478,910	60,373	2.0	230	0.03	3.63	7.8 8.3	0.002	0.24			~
06/14/94	a	19,680	57.1	3,518,608	39.698	2.0	230	0.09	3.71		0.004	0.25			
07/14/94	b	20,145	35.4	3,516,608	55,800	2.0	270	0.08		12.0	0.003	0.25			
08/17/94	C	20,143	5.0	51.260	91,580	2.0	ND ND	0.12	3.83	5.9	0.004	0,26			
09/12/94	<u>ا</u> ــــــــــــــــــــــــــــــــــــ	21,549	0.0	120,910	91,560 69,650	1.8	DND D	0.10	3.93 3.93	1.B	0.003	0.26			
10/18/94		22,408	0.5	211,880	90,970	1.8	ND	0.00	3.93	ND	0.001	0.26			
11/15/94	 	23,080	0.0	280,840	68,960	1.7	ND	0.00	3.93	ND 0.7	0.000	0.26			
12/05/94	 	23,489	14.8	325,830	44,99D	1.8	470	0.00			0.000	0.26			
	1	20,703	17.0	JE2,000	77,220	1.0	4/0	0,09	4.02	32.0	0.006	0.27			

Table 1. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

								GRO/TPH-	9		Benzene			MTBE	
		Hour	System				Influent			Influent		T	Influent		
Influent		Meter	Down	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Concen-	Net	Removed
Sample	Foot	Reading	Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Date	note	(hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
01/04/95		24,205	0.6	408,740	82,910	1,9	ND	0.16	4.18	1,1	0.011	0.28	_	_	
02/06/95		24,926	9.0	499,690	90,950	2.1	100	0.04	4.22	2.4	0.001	0.28			_
03/02/95		25,465	6.4	569,180	69,490	2.1	ND	0.03	4.25	ND	0.001	0.28	-		
04/04/95		26,253	0.5	672,510	103,330	2.2	290	0.12	4.37	6.6	0.003	0.28			
05/02/95		26,924	0.1	760,350	87,840	2.2	240	0.19	4.57	7.1	0.005	0.29		-	
06/05/95		27,721	2.4	848,810	88,460	1.9	ND	0.09	4.65	ND	0.003	0.29		_	
07/06/95		28,464	0.1	921,260	72,450	1,6	270	0.08	4.74	2.4	0.001	0.29		_	
08/21/95	d	29,568	0.0	993,320	72,060	1.1	230	0.15	4.89	1.8	0.001	0.29			_
06/05/00	е	29,592	_	976,600			700		4.89	7.2	_	0.29	361.0		0.000
06/05/00	<u> </u>	29,593	0.0	979,800	3,200	2.1	700	0.02	4.91	7.2	0.000	0.29	361.0	0.01	0.010
07/08/00	<u> </u>	30,352	4.2	1,131,560	151,760	3,3	133	0.53	5.43	5.1	0.008	0.30	272.0	0.40	0.410
08/07/00		30,955	16.3	1,228,240	96,680	2.7	144	0.11	5.54	2.8	0.003	0.30	126.0	0.16	0.570
09/08/00	<u> </u>	31,528	25.4	1,306,300	78,050	2.3	261	0.13	5.68	2.7	0.002	0.30	120.0	0.08	0.651
10/10/00	<u> </u>	32,230	8.6	1,393,820	87,520	2.1	114	0.14	5.81	ND	0.001	0.31	ND	0.04	0.694
11/07/00		32,880	3.3	1,472,930	79,110	2.0	128	0.08	5.89	ND	0.000	0.31	98.6	0.03	0.727
12/05/00	<u> </u>	33,516	5,4	1,548,840	75,910	2.0	167	0.09	5.99	0.8	0.000	0.31	104.0	0.06	0.791
01/04/01	<u> </u>	33,924	43.3	1,595,340	46,500	1.9	ND	0.03	6.02	ND	0.000	0.31	86.8	0.04	0.828
02/06/01	<u> </u>	34,556	20.2	1,672,330	76,990	2.0	203	0.07	6.08	0.6	0.000	0.31	80.5	0.05	0.882
03/08/01	<u> </u>	34,776	69.5	1,698,860	26,530	2.0	219	0.05	6.13	ND	0.000	0.31	81.0	0.02	0.899
03/24/01	†	35,088	18.7	1,741,170	42,310	2.3		0.07	6.20		0.000	0.31	_	0.03	0.928
04/18/01	<u> </u>	35,335	59.0	1,770,860	29,690	2.0	75	0.04	6.24	ND	0.000	0.31	97.5	0.02	0.950
05/04/01	<u> </u>	35,716	0.0	1,812,690	41,830	1.8	63	0.02	6.26	ND	0.000	0.31	93.2	0.03	0.983
06/09/01	<u> </u>	36,345	27.1	1,879,710	67,020	1.8	64	0.04	6.30	ND	0.000	0.31	71.0	0.05	1.029
07/05/01	f	36,469	80.1	1,897,180	17,470	2.3	100	0.01	6.31	ND	0.000	0.31	430.0	0.04	1.066
08/14/01	f	36,822	63.3	1,928,510	31,330	1.5	290	0.05	6.36	2.2	0,000	0.31	870.0	0.17	1.235
09/05/01	 	37,219	24.8	1,977,050	48,540	2.0	<100	0.06	6.42	<1.0	0.000	0.31	340.0	0.24	1.480
10/05/01	 	37,932	0.0	2,040,950	63,900	1.5	ND	0.00	6.42	ND	0.000	0.31	150.0	0.13	1.611
11/13/01	├	38,820	0.0	2,119,670	78,720	1.5	ND	0.00	6.42	ND	0,000	0.31	92.0	0.08	1.690
12/11/01	 -	39,496	0.0	2,186,530	66,860	1.6	65	0.02	6.44	ND	0.000	0.31	83.0	0.05	1.739
01/04/02	 -	40,063	0.0	2,248,700	62,170	1.8	<50	0.02	6.46	ND	0.000	0.31	140.0	0.06	1.797
02/05/02	 	40,830	0.2	2,333,090	84,390	1.8	100	0.04	6.49	ND	0.000	0.31	190.0	0.12	1.913
03/05/02	<u> </u>	40,968	79.4	2,353,460	20,370	2.5	150	0.02	6.51	<1.2	0.000	0.31	350.0	0.05	1.959
04/08/02	 	41,735	6.0	2,448,360	94,900	2.1	400	0.22	6.73	9.6	0.004	0.31	260.0	0.24	2.200
	ļ	42,642	0.6	2,499,320	50,960	0.9	310	0,15	6.88	<1.0	0.002	0.31	330.0	0.13	2.325
05/31/02	ļ	42,832	47.2	2,503,380	4,060	0.4		0.00	6.88		0.000	0.31		0.00	2.325
08/19/02	g	44,925		2,520,289	16,909	0.1		0.00	6.88		0.000	0.31		0.00	2.325
10/03/02	g	44,956		2,520,582	293	0.2		0.00	6.88		0.000	0.31		0.00	2.325
10/07/02	9	44,956		2,522,394	1,812		160	0.00	6.89	<1.0	0.000	0.31	130.D	0.00	2.329
11/07/02	h	0 479	70.7	2,527,925	5,531		250	0.01	6.89	<1.0	0.000	0.31	210.0	0.01	2.337
01/03/03	 -		28.7	2,528,113	188	0.0	220	0.00	6.89	<1.0	0.000	0.31	110.0	0.00	2.337
D 1103103		1,174	0.1	2,591,359	63,246	1.5	170	0.10	7.00	<1.0	0.000	0.31	140.0	0.07	2.403

Table 1. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

						T	11	GRO/TPH-			Benzene		r	MTBE	
		Hour	System				Influent	GROTTETT	y 	Influent	Delizelle	г	Influent	WIBE	
influent		Meter	Down	Volume	Net	Average	Concen-	Net	Removed	Concen-	Net	Removed	Concen-	Net	Removed
Sample	Foot	Reading	Time	Reading	Volume	Flow	tration	Removed	To Date	tration	Removed	To Date	tration	Removed	To Date
Date	note	(hours)	(%)	(gallons)	(gallons)	(gpm)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)
02/13/03		2,156	0.2	2,692,710	101,351	1.7	<250	0.07	7.07	<2.5	0.000	0.31	66.0	0.09	2.490
03/27/03		3,165	0.0	2,790,668	97,958	1.6	110	0.04	7.11	<0.50	0.000	0.31	71.0	0,06	2.546
04/24/03		4,172	0,0	2,865,050	74,382	1.2	120	0.07	7.19	<0.50	0.000	0.31	56.0	0.04	2.585
05/30/03		4,459	66.7	2,931,190	66,140	3.8	20	0.04	7.22	<5.0	0.000	0,31	<50	0.00	2.585
06/19/03		4,940	0.0	2,971,985	40,795	1.4	160	0.03	7.25	<5.0	0.000	0.31	46.0	0.01	2.593
07/24/03	<u> </u>	5,331	86.3	2,972,362	181,694	1.4	51	0.12	7.38	<0.50	0.000	0.31	41.0	0.08	2.678
08/28/03	<u> </u>	6,165	8.0	3,040,900	68,538	1.4	<50	0.01	7.39	<0.50	0.000	0,31	30.0	0.02	2.698
09/25/03 10/23/03	<u> </u>	6,838	0.0	3,095,020	54,120	1.3	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.01	2.711
11/20/03	ļ	7,512 8,182	0.0	3,149,200	177,215 55.412	1.1	<50	0.00	7.39	<0.50	0.000	0.31	28.0	0.04	2.753
12/18/03	ļ	8.851	1.1	3,204,612 3,264,487	30.531	1.4 1.5	<50 52	0.00	7.39 7.40	<0.50	0.000	0.31	22.0	0.01	2.764
01/08/04		9,356	1.0	3,312,485	47,998	1.5	- 52	0.00	7.40	<0.50 —	0.000	0.31	27.0	0.00	2.770
01/22/04		9,690	0.7	3,344,994	32,509	1.6	<u>-</u> <50	0.00	7.40	<0.50	0.000	0.31 0.31	27.0	0.00	2.770 2.774
02/19/04	 -	10,357	1,6	3,410,457	32,947	1.7	<50	0.00	7.40	<0.50	0.000	0.31	25.0	0.00	2.774
03/18/04		11,030	0.0	3,480,800	70,343	1.7	<50	0.00	7.40	<0.50	0.000	0.31	27.0	0.00	2.795
04/07/04		11,509	0.2	3,524,179	43,379	1.5	<50	0,00	7.40	<0.50	0.000	0.31	25.0	0,02	2.806
04/22/04		11,869	0.0	3,552,144	27,965	1.3	<50	0.00	7.40	<0.50	0.000	0,31	19.0	0.01	2.811
05/19/04		12,522	0.0	3,607,015	54,871	1.4	<50	0.00	7.40	<0.50	0.000	0.31	19.0	0.01	2.819
06/16/04		13,198	0.0	3,664,594	57,579	1.4	63	0.02	7.41	<0.50	0.000	0.31	20.0	0.01	2.829
07/22/04		14,050	1.4	3,736,245	71,651	1.4	<50	0,02	7.43	<0.50	0.000	0.31	15.0	0.01	2.839
08/26/04		14,890	0.0	3,803,030	66,785	1.3	<50	0.00	7.43	<0.50	0.000	0.31	23.0	0.01	2.850
09/16/04		15,394	0.0	3,832,211	29,181	1.0	<50	0.00	7.43	<0.50	0.000	0.31	18.0	0.00	2.855
10/21/04	<u> </u>	16,235	0.0	3,891,299	59,088	1.2	<50	0.00	7.43	<0.50	0.000	0.31	17.0	0.01	2.863
11/18/04		16,908	0.0	3,942,990	51,691	1.3	<50	0.00	7.43	<0.50	0.000	0.31	14.0	0.01	2.870
12/16/04		17,579	0.2	3,994,185	51,195	1.3	<50	0.00	7.43	<0.50	0.000	0.31	15.0	0.01	2.876
01/19/05	<u> </u>	18,396	0.0	4,063,710	69,525	1.4	84	0.02	7.46	<0.50	0.000	0.31	19	0.01	2.886
02/16/05	l i	19,068	0.0	4,117,922	54,212	1.3	<50	0.02	7.48	<0.50	0.000	0.31	29	0.01	2.897
03/16/05	ī	19,741	0.0	4,175,364	57,442	1.4	56	0.01	7.49	<0.50	0.000	0.31	21	0,01	2.909
04/20/05		20,578	0.3	4,244,807	69,443	1.4	<50	0.02	7.50	<0.50	0.000	0.31	19	0.01	2.921
05/18/05		21,057	28.8	4,279,950	35,143	1.2	82	0.01	7.52	<0.50	0.000	0.31	16	0,01	2.926
06/15/05		21,728	0.1	4,325,824	45,874	1.1	<50	0.02	7.53	<0.50	0.000	0.31	15	0.01	2.932
07/26/05		22,468	24.8	4.369,300	43,476	1.0	<50	0.00	7.53	<0.50	0.000	0.31	13	0.01	2.937
08/25/05	t	23,184	0.6	4,407,082	37,782	0.9	<50	0.00	7.53		0.000	0.31	9.8	0.004	2.940
09/20/05		23,812	0.0	4,436,511	29,429	0.8	<50	0.00	7.53	<0.50	0.000	0.31	8.2	0.002	2.942
10/18/05	-	24.483	0.2	4,465,577	29,066	0.7	<50	0.00	7.53	<0.50	0.000	0.31	9.2	0.002	2.942
11/16/05	1	25,178	0.2	4,495,190	29,613	0.7	<50	0.00	7.53	<0.50	0.000	0.31	15	0.002	
12/13/05	1—	25,825	0.2	4,523,250	28,060	D.7	<50	0.00	7.53	<0.50	0.000	ļ	 		2.948
01/12/06		26,546	0.0	4,562,040		0.7	<50	0.00	 	 		0.31	11	0.003	2.951
02/08/06	1	27,195	0.0	· · · · · · · · · · · · · · · · · · ·	38,790		 		7.53	<0.50	0.000	0.31	16	0.004	2.955
עביעטועט	<u> </u>	1 21,195	1 v.u	4,595,860	33,820	0.9	60	0.01	7.54	<0.50	0.000	0.31	15	0.004	2.959

Table 1. Ground-Water Extraction Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

								GRO/TPH-	g		Benzene			MTBE	
Influent Sample Date		Hour Meter Reading (hours)	System Down Time (%)	Volume Reading (gallons)	Net Volume (gallons)	Average Flow (gpm)	Influent Concen- tration (µg/L)	Net Removed (pounds)		Influent Concen- tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds)	Influent Concen- tration (µg/L)	Net Removed (pounds)	Removed To Date (pounds
3/06/06		27,816	0.5	4,621,920	26,060	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.003	2.963
4/03/06		28,489	0.0	4,651,630	29,710	0.7	<50	0.00	7.54	<0.50	0.000	0.31	16	0.004	2.967
5/02/06		NA	NA	4,686,187	34,557		< 50	0.00	7.54	<0.50	0,000	0.31	-	0.000	2.967
6/13/06		30,189	0.54	4,694,809	8,622	0.1	<50	0.00	7.54	<0.50	0.000	0.31	15	0.001	2.967
06/27/06		30,524	0.3	4,697,476	2,667	_	_	_		_			_		
7/17/06	<u> </u>	31,006	0.0	4,706,984	9,508	0.3	<50	0.00	7.54	<0.50	0.000	0.31	5.7	0.000	2.968
08/09/06		31,556	0.4	4,719,605	12,621	0.4	<50	0.00	7.54	<0.50	0.000	0.31	4.6	0.001	2.968
9/12/06		32,371	0.1	4,731,489	11,884	0.2	<50	0.00	7.54	<0.50	0.000	0.31	2.9	0.000	2.968
9/27/06		32,731	0.0	4,732,102	613	0.03				_					
0/09/06		33,014	1.7	4,732,140	38	0.00	<50	0.00	7.54	<0.50	0.000	0.31	3.3	0.000	2.968
0/26/06		33,426	0.0	4,732,179	39	0.00	_		_	_					
1/10/06		33,784	3,3	4,732,180	1	0.00	<50	0.00	7.54	<0.50	0.000	0.31	6.6	0.000	2.968
1/29/06		34,237	0.0	4,732,186	6	0.00	_		_				_	_	_
2/05/06	<u>i</u>	34,379	5.3	4,732,186	0	0.00					***				
	<u>L</u>	<u> </u>				<u> </u>	<u> </u>		l						

REPORTING PERIOD:	11/29/06 to 12/05/06			· · · · · · · · · · · · · · · · · · ·
CUMULATIVE GALLONS EXTRACTED:	8,728,336			
PERIOD GALLONS EXTRACTED:	0			
TOTAL POUNDS REMOVED:		7.54	0.31	2.968
TOTAL GALLONS REMOVED:		1.24	0.04	0.48
AVERAGE PERIOD FLOW RATE (gpm):	0.00			
PERIOD PERCENT OPERATIONAL:	94.7%			
PERIOD POUNDS REMOVED:		NA	NA	NA
PERIOD GALLONS REMOVED:		NA NA	NA	NA.

Table 1. Ground-Water Extraction System Performance Data Station #608, 17601 Hesperian Boulevard, San Lorenzo, CA

SYMBOLS AND ABBREVIATIONS:

gpm = Gallons per minute

GRO = Gasoline range organics, C4 to C12 range

MTBE = Methyl tert-butyl ether µg/L = Micrograms per liter

ND = Not detected at or above the laboratory reporting limit
TPH-g = Total purgeable petroleum hydrocarbons as gasoline

= Not available/applicable/sampled

= Not detected at or above the laboratory reporting limit
 + Assume same concentration as prior sampling event

NA = Not applicable

Densities: Gasoline = 6.1 lbs/gallon; Benzene = 7.34 lbs/gallon; MTBE =6.18 lbs/gallon (MTBE not quantified prior to 6/5/00

Footnotes:

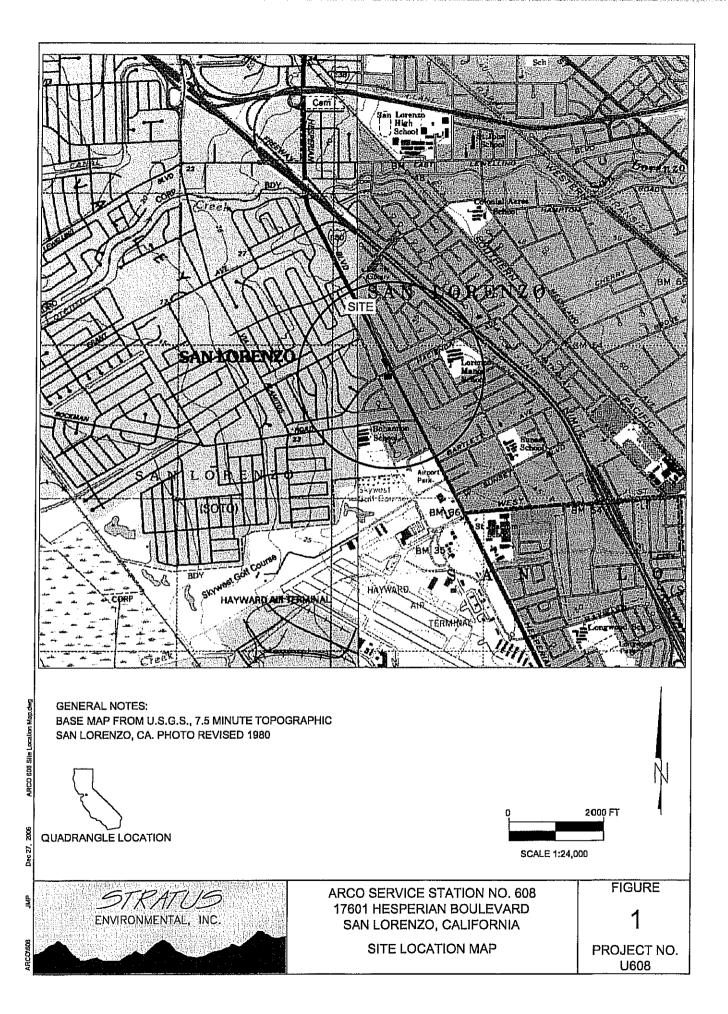
- a. Totalizer broken; volume estimated from hourmeter and flow rate.
- b. Volume estimated from hourmeter and instantaneous flow rate.
- c. Sewer totalizer replaced July 28, 1994; volume discharged estimated at 40,320 gallons for the period between July 14 and 28, 1994 at 2.0 gpm.
- d. GWE system temporarily shut down August 21, 1995.
- e. GWE system restarted June 5, 2000.
- f. System down during construction to main sewer line from approx, 6/25/01; restarted 8/14/01.
- g. Hour meter reading not functioning.
- Hour meter replaced.
- i. Quantity of unknown hydrocarbons in sample based on gasoline.
- j. The GWE system was shutdown on December 5, 2006, pending change of operator information on the sewer discharge permit.

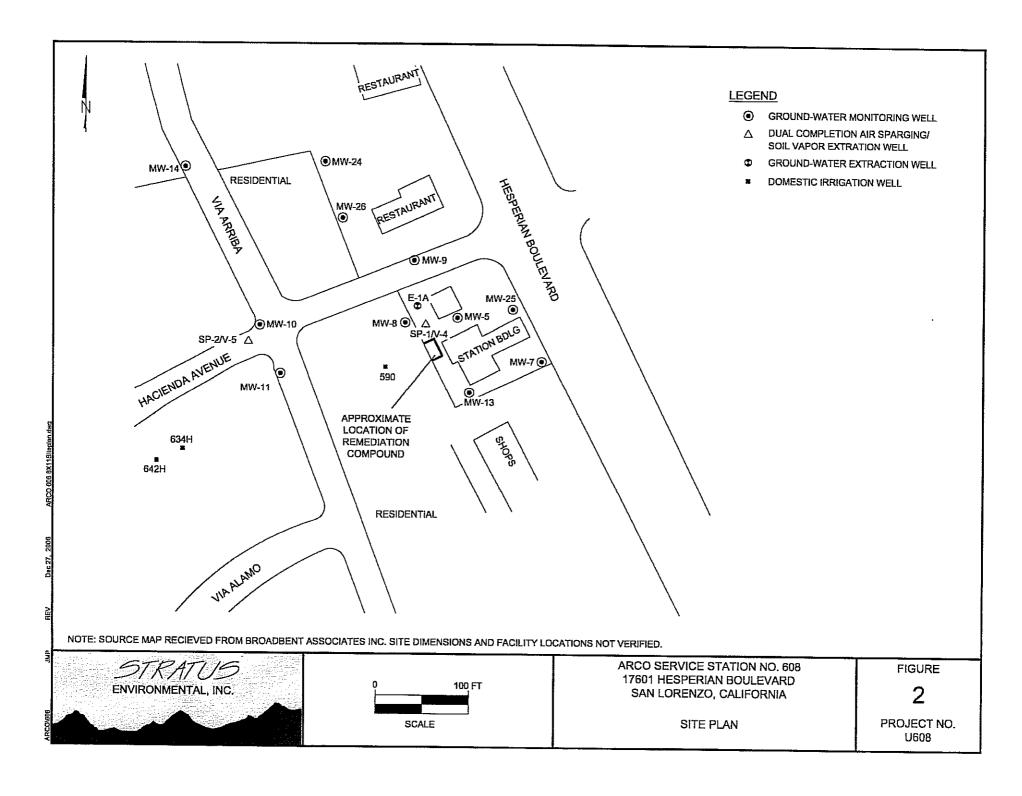
Equations: Net Dissolved Concentration Removed [pounds] = Average influent concentration, [ug/L] x net volume (gallon) x conversion factor [µg to kg] x conversion factor [L to pounds]; (Net dissolved concentration removed is calculated by averaging influent concentration)

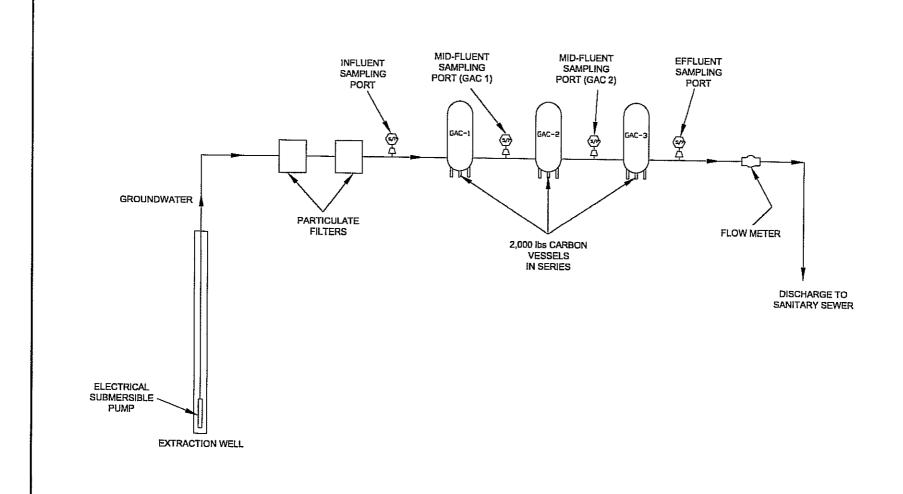
Notes:

The data within this table collected prior to May 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning Fourth Quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.







NOTE: THIS IS AN ILLUSTRATION ONLY. EQUIPMENT SIZES ARE NOT REPRESENTATIVE & SPECIFICATIONS ARE NOT INCLUDED.

STRATUS ENVIRONMENTAL, INC.

ARCO SERVICE STATION NO. 608 17601 HESPERIAN BOULEVARD SAN LORENZO, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE

3

PROJECT NO. U608

APPENDIX A FIELD DATA SHEETS

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard San Lorenzo, California

Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Date:	12/05/04		_	Technicia	n:	Kiran (Nagaran
Onsite Time:				Weather (Conditions:	Clear	
Offsite Time:				Ambient T	- emperature		
Equipment Ir	nformation/Mode	el#:	One 3-inc	One 3-inch Dia. Extraction Well with Grundfos Pump			
			and Thre	e 2,400-pou	nds Carbon	Vessels,	
System Statu	rs Upon Arrival:		Operation	nal	X	Non-operat	ional
System Status Upon Departure:		Operation	ial	× Non-operational		ional	
Extraction Well Pump:		Operation	al] Non-operati	ional	
Transfer Pum	p:		Operation	al] Non-operati	onal
Electric Meter	Reading:	50168		<u>.</u>	_		
Hour Meter R	eading:	3437	1.4		_		
Flow Totalizer	Reading Before	e Carbon Trea	itment:	•	NA		
Flow Totalizer Reading After Carbon Treatme			nent:	4	732186		
No. of Carbon	Vessels:	Three 2,400 F	ound Virgi	n Coconut S	hell Carbon	in Series	
	•	Particulate					
elet D		Filter	Vessel 1	Vessel 2	Vessel 3		
nlet Pressure,	psig						
		Fiel	d Measure	ments (Mon	ithly)		
Sample Port	Temperature	рН	Electrical C	onductivity			
	°F	units	msie	mens			
ffluent							
		···				*** **********************************	
							_
		0.181:					
Samp	le ID	Sampling In					
		Date & 7	ime	Samp	le ID	Date & Tim	ıe
0608WINF							
0608WGAC1 0608WGAC2		······································					
0608WEFF							
JOYUVVLI 1		·······	 				
Signature:	Kinan W	ng.auto		Date:	12	05/04	

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard

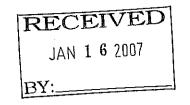
San Lorenzo, California Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
TPHG	Monthly	INF, GAC-1, GAC-2, & EFF	EPA Method 8260E
BTEX	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 8260B
5-0xys	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 8260B
TSS	Monthly	EFF	EPA Method 160.2
COD	Monthly	EFF	EPA Method 410.4

	············	Omeretica 6	14 : .			····
- c		Operation &	Maintenance	Notes		
System	Mutdown	pending	change	C	permit	
		· J	- 0	0		
Operatod	to sh	ahu				
<u> </u>						
				·		
						
	· i					
·						
		·				
	•					
······································						
				· · · · · · · · · · · · · · · · · · ·		
Cianatura						

Signature:	Date:

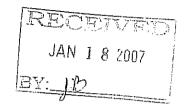




3330 Cameron Park Drive, Ste 550 Cameron Park, California 95682 (530) 676-6004 ~ Fax: (530) 676-6005

January 11, 2007

Mr. Rob Miller Broadbent & Associates, Inc. 2000 Kirman Avenue Reno, NV 89502



Re:

System O&M Data Package, ARCO Service Station No. 608, located at 17601 Hesperian Boulevard, San Lorenzo, California (Field activities performed on December 12, 2006)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Kiran Nagaraju

Phone Number: (530) 676-6007

On-Site Supplier Representative: Kiran Nagaraju

System Overview: Groundwater Extraction and Treatment System

Operational Status: Continuous operation.

Scope of Work Performed: System shutdown pending change of permit operator from URS Corporation to Stratus Environmental, Inc.

Variations from Work Scope: None

The attachments include field data sheets. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Kiran Nagaraje Staff Engineer Jay Johnson, P.G. No. 5867
Project Manager

Project Manager

Attachments:

• Field Data Sheets

CC: Paul Supple, BP/ARCO

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard San Lorenzo, California

Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Date:	12/05/06 0615 H	0 t	_	Technician			Nagargu
Onsite Time:			-	Weather Co		Clear	
Offsite Time:	<u>0730 H</u>		Ambient Temperature 60° F				
Equipment inf	ormation/Model	#:	One 3-inch Dia. Extraction Well with Grundfos Pump				s Pump
			and Three	2,400-poun	ds Carbon \	∕essels.	
System Status	Upon Arrival:		Operation	al	X	Non-opera	itional
System Status Upon Departure:		Operationa	al	×	Non-opera	itional	
Extraction We	ll Pump:		Operationa	al		Non-opera	tional
Transfer Pump) :		Operations	al		Non-opera	tional
Electric Meter	Reading:	50168					
Hour Meter Re	eading:	3 4379	. 4				
Flow Totalizer Reading Before Carbon Treat		tment:		NA			
Flow Totalizer Reading After Carbon Treatm		ent:	4	732186		_	
No. of Carbon	Vessels:	Three 2,400 F	ound Virgir	n Coconut S	hell Carbon	in Series	
		Particulate Filter	Vessel 1	Vessel 2	Vessel 3		
Inlet Pressure,	psig					/	7
		Fial	d Maaeura	ments (Mor	this)		
Sample Port	Temperature				iuny)		
•	°F	pH units		Conductivity	/	**************************************	
Effluent		units	111516	mens			
Lindent				/			
		-					
					77.		
****	*****	Spinpling In	formation	(Nionthia)		·	
Samr	ole ID	Date &		Samp	Ja ID	D-4- 0 7	
		Date a	THIE	Samp	DIE ID	Date &	ı ime
00608WINF							
00608WGAC1				******			
00608WGAC2							
00608WEFF		· · · · · · · · · · · · · · · · · · ·					
Signature <u>:</u>	Kinen 1	Vagaujo		D.4.;	12	105 01	

ARCO FACILITY NO. 0608

17601 Hesperian Boulevard

San Lorenzo, California

Groundwater Extraction and Treatment System (Frequency of Site Visits = 2 per month)

Lab Parameters	Sampling Frequency	Sample Location	Analytical Method
TPHG	Monthly	INF, GAC-1, GAC-2, & EFF	EPA Method 8260B
ВТЕХ	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 82608
5-0xys	Monthly	INF, GAC-1, GAC-2,& EFF	EPA Method 8260B
TSS	Monthly	EFF	EPA Method 160.2
COD	Monthly	EFF	EPA Method 410.4

		<u> </u>		5-W-1-1-1		
		Operation &	Maintenance	Notes		
System	Mutdon	in pending	charge	o)	permit	
Ť			Ū)		
Operato1	to	stratus				
1						
		<u> </u>				
		·				
				··· ,		
						,
Cianatura				_		
Signature:				Date	: :	

Pa	ge	2	of	2

Date:

APPENDIX C

GEOTRACKER UPLOAD CONFIRMATION

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found! Your file has been successfully submitted!

Submittal Title:

4Q06 GEO_WELL

Submittal Date/Time:

1/24/2007 3:13:15 PM

Confirmation Number:

8356785416

Back to Main Menu

Logged in 85 BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 2252064824

Date/Time of Submittal: 1/26/2007 11:09:06 AM

Facility Global ID: T0600100085 Facility Name: ARCO #00608

Submittal Title: 4Q06 GW Monitoring **Submittal Type:** GW Monitoring Report

Click here to view the detections report for this upload.

ARCO #00608 Regional Board - Case #: 01-0092 17601 HESPERIAN SAN FRANCISCO BAY RWQCB (REGION 2) SAN LORENZO, CA 94580 Local Agency (lead agency) - Case #: RO0000255 ALAMEDA COUNTY LOP - (SP) CONF# TITLE QUARTER 2252064824 4Q06 GW Monitoring Q4 2006 SUBMIT DATE STATUS SUBMITTED BY Broadbent & Associates, Inc. 1/26/2007 PENDING REVIEW

SAMPLE DETECTIONS REPORT

FIELD POINTS SAMPLED 2
FIELD POINTS WITH DETECTIONS 2
FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL 1
SAMPLE MATRIX TYPES WATER

METHOD QA/QC REPORT

METHODS USED 8260FA,8260TPH
TESTED FOR REQUIRED ANALYTES? Y
LAB NOTE DATA QUALIFIERS N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS 0 METHOD HOLDING TIME VIOLATIONS 0 LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT 0 LAB BLANK DETECTIONS 0 DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? - LAB METHOD BLANK - MATRIX SPIKE N - MATRIX SPIKE DUPLICATE M Υ - BLANK SPIKE Υ - SURROGATE SPIKE

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(5) % RECOVERY BETWEEN 65-135%

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(5) RPD LESS THAN 30%

Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%

BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%

Y

SOIL SAMPLES FOR 8021/8260 SERIES MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a FIELD QC SAMPLES COLLECTED **DETECTIONS > REPDL** SAMPLE QCTB SAMPLES 0 Ν QCEB SAMPLES N 0 QCAB SAMPLES Ν 0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 1354382574

Date/Time of Submittal: 1/25/2007 12:32:28 PM

Facility Global ID: T0600100085 Facility Name: ARCO #00608

Submittal Title: Monthly System Sampling 1006 Submittal Type: Soil & Water Investigation Report

Click here to view the detections report for this upload.

ARCO #00608 Regional Board - Case #: 01-0092 SAN FRANCISCO BAY RWOCB (REGION 2) 17601 HESPERIAN SAN LORENZO, CA 94580

Local Agency (lead agency) - Case #: RO0000255

0

ALAMEDA COUNTY LOP - (SP)

QUARTER TITLE CONF.# Q4 2006 1354382574 Monthly System Sampling 1006

SUBMIT DATE **STATUS** SUBMITTED BY PENDING REVIEW 1/25/2007 Broadbent & Associates, Inc.

SAMPLE DETECTIONS REPORT

FIELD POINTS SAMPLED 2 # FIELD POINTS WITH DETECTIONS # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL O SAMPLE MATRIX TYPES WATER

METHOD QA/QC REPORT

8260FA,8260TPH,E160.2,E410.4 METHODS USED TESTED FOR REQUIRED ANALYTES? Υ LAB NOTE DATA QUALIFIERS

QA/QC FOR 8021/8260 SERIES SAMPLES TECHNICAL HOLDING TIME VIOLATIONS

METHOD HOLDING TIME VIOLATIONS a LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT 0 0 LAB BLANK DETECTIONS DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? - LAB METHOD BLANK Υ - MATRIX SPIKE Y - MATRIX SPIKE DUPLICATE Υ - BLANK SPIKE Y - SURROGATE SPIKE

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% N MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% Υ SURROGATE SPIKES % RECOVERY BETWEEN 85-115% Υ BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been successfully uploaded!

Confirmation Number: 2433012008

Date/Time of Submittal: 1/25/2007 2:42:08 PM

Facility Global ID: T0600100085 Facility Name: ARCO #00608

Submittal Title: Monthly System Sampling 1106 Submittal Type: Soil & Water Investigation Report

Click here to view the detections report for this upload.

ARCO #00608 17601 HESPERIAN SAN LORENZO, CA 94580 Regional Board - Case #: 01-0092 SAN FRANCISCO BAY RWQCB (Local Agency (lead agency) - Case ALAMEDA COUNTY LOP - (SP)	
CONF # TITLE 2433012008 Monthly System Sampling 1106 SUBMITTED BY SUBMIT DATE Broadbent & Associates, Inc. 1/25/2007 PENDING	QUARTER Q4 2006 REVIEW
SAMPLE DETECTIONS REPORT # FIELD POINTS SAMPLED # FIELD POINTS WITH DETECTIONS # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL SAMPLE MATRIX TYPES METHOD QA/QC REPORT METHODS USED 8260FA,8260TPH,E TESTED FOR REQUIRED ANALYTES? LAB NOTE DATA QUALIFIERS	4 2 0 WATER =160.2,E410.4 Y
QA/QC FOR 8021/8260 SERIES SAMPLES TECHNICAL HOLDING TIME VIOLATIONS METHOD HOLDING TIME VIOLATIONS LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT LAB BLANK DETECTIONS DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWIN - LAB METHOD BLANK - MATRIX SPIKE - MATRIX SPIKE - BLANK SPIKE - SURROGATE SPIKE	0 0 0 0 G? Y N N Y
WATER SAMPLES FOR 8021/8260 SERIES MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% SURROGATE SPIKES % RECOVERY BETWEEN 85-115% BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-13	Y Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as BROADBENT-C (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.