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**Alameda County
Environmental Health**

Aaron Costa
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
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December 31, 2009

Mr. Rod Smith
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Former Chevron Service Station No. 9-0260
21995 Foothill Boulevard
Hayward, CA
Permit No. 007-03

Dear Mr. Smith:

During the current reporting period, the groundwater treatment and extraction system at the site referenced above operated in compliance with the conditions specified in the Oro Loma Sanitary District Wastewater Discharge Permit No. 007-03.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron Costa".

Aaron Costa
Project Manager



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

December 31, 2009

Reference No. 311915

Mr. Rod Smith
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Re: Monthly Discharge Report - December 2009
Former Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, California
Permit No. 007-03

Dear Mr. Smith:

Conestoga-Rovers & Associates (CRA) prepared this document on behalf of Chevron Environmental Management Company (Chevron). This report was prepared in accordance with the requirements of the wastewater discharge permit. During the current reporting period, the remediation system at the subject site operated in compliance with the Special Wastewater Discharge Permit.

SELF-MONITORING REPORT - DECEMBER 2009

REPORTING PERIOD ACTIVITIES

- CRA conducted routine operation and maintenance on December 1, December 9, and December 15, 2009.
- CRA collected effluent compliance samples and a pH reading on December 1, 2009.
- CRA shutdown the groundwater extraction system on December 15, 2009 to assess the operation of the soil vapor extraction portion of the system on its own. CRA will monitor rebound and decide whether to restart the groundwater extraction system at a later date.
- CRA prepared this document, which includes tabulated operational and sample analytical data (Tables 1, 2, and 3). The Laboratory analytical report is included as Attachment A.

Equal
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**CONESTOGA-ROVERS
& ASSOCIATES**

December 31, 2009

Reference No. 311915

REPORTING PERIOD DATA SUMMARY (11/24/09 TO 12/15/09)

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>1,237,700 gallons</u>
Final Totalizer Reading	<u>1,293,214 gallons</u>
Discharged Volume	<u>55,514 gallons</u>
Average Discharge Flow Rate	<u>1.84 gallons per minute</u>
Maximum Discharge Flow Rate	<u>1.90 gallons per minute</u>
Discharge Violations or Exceedances	<u>None</u>

If you have any questions regarding the contents of this document, please call Jeff Schrupp at (510) 420-3362 or Casey Sanders at (916) 889-8921.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Casey Sanders

Charlotte Evans

JS/doh/22
Enc.

Table 1	Influent and Effluent Fuel Concentrations
Table 2	System Operational Data
Table 3	Effluent Compliance Results
Attachment A	Laboratory Analytical Report

cc: Mr. Aaron Costa, Chevron Environmental Management Company

TABLES

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
06/25/07	NA	211	0	0.00	0	34,000	0.0	0.0	2,000	0.00	0.00	92	0.00	0.00	
07/16/07	NA	211	0	0.00	0		0.0	0.0		0.00	0.00		0.00	0.00	
07/17/07	NA	7,524	7,313	4.51	7,313	42,000	2.6	2.6	1,700	0.10	0.10	57	0.00	0.00	3
07/26/07	NA	9,422	1,898	1.17	9,211	57,000	0.9	3.5	1,800	0.03	0.13	51	0.00	0.00	
08/03/07	NA	10,947	1,525	0.13	10,736		0.7	4.2		0.02	0.16		0.00	0.00	
08/16/07	NA	12,100	1,153	0.06	11,889		0.6	4.8		0.03	0.18		0.00	0.01	
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.8	6.7	2,800	0.08	0.26	74	0.00	0.01	
08/22/07	NA	18,700	3,200	0.44	18,489	44,000	1.2	7.8	2,100	0.06	0.32	56	0.00	0.01	
08/24/07	NA	22,800	4,100	1.42	22,589		1.5	9.3		0.07	0.39		0.00	0.01	
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.7	10.1	2,000	0.03	0.42	53	0.00	0.01	
09/18/07	NA	26,700	1,890	0.07	26,489		0.7	10.7		0.03	0.45		0.00	0.01	
09/21/07	NA	29,900	3,200	0.74	29,689		1.1	11.8		0.05	0.50		0.00	0.01	
09/26/07	NA	39,700	9,800	1.36	39,489	42,000	3.4	15.3	1,800	0.15	0.65	33	0.00	0.02	
09/27/07	NA	44,300	4,600	3.19	44,089		1.6	16.9		0.07	0.72		0.00	0.02	
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.1	23.0	1,500	0.27	0.98	40	0.01	0.02	
10/08/07	NA	73,526	7,761	1.35	73,315	45,000	2.9	25.9	2,400	0.16	1.14	45	0.00	0.03	
10/19/07	NA	97,500	23,974	1.51	97,289	42,000	8.4	34.3	2,300	0.46	1.60	38	0.01	0.04	
10/25/07	NA	117,400	19,900	2.30	117,189		7.0	41.3		0.38	1.98		0.01	0.04	2
12/05/07	2.0	119,284	1,884	0.03	119,073	46,000	0.7	42.0	2,400	0.04	2.02	42	0.00	0.04	1
12/06/07	22.3	121,500	2,216	1.54	121,289		0.9	42.8		0.04	2.06		0.00	0.04	
12/11/07	141.8	134,679	13,179	1.83	134,468		5.1	47.9		0.26	2.33		0.00	0.05	
12/18/07	304.9	149,033	14,355	1.42	148,822	31,000	3.7	51.6	1,800	0.22	2.54	37	0.00	0.05	
12/27/07	518.7	170,809	21,776	1.68	170,598		5.6	57.3		0.33	2.87		0.01	0.06	
01/02/08	648.5	183,000	12,191	1.41	182,789		4.2	61.4		0.24	3.11		0.00	0.06	
01/03/08	666.7	185,361	2,361	1.64	185,150	41,000	0.8	62.2	2,400	0.05	3.16	35	0.00	0.06	
01/10/08	690.4	189,800	4,439	0.44	189,589		1.5	63.7		0.09	3.25		0.00	0.06	
01/11/08	718.3	197,700	7,900	5.49	197,489		2.7	66.5		0.16	3.41		0.00	0.07	
01/18/08	882.8	233,945	36,245	3.60	233,734	36,000	10.9	77.3	1,000	0.30	3.71	35	0.01	0.08	
01/23/08	1004.7	254,185	20,240	2.81	253,974		6.1	83.4		0.17	3.88		0.01	0.08	
01/30/08	1061.7	268,200	14,015	1.39	267,989		4.2	87.6		0.12	4.00		0.00	0.09	
02/07/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.2	111.8	2,400	0.89	4.89	21	0.01	0.09	
02/14/08	1399.6	341,772	28,972	2.87	341,561		15.7	127.5		0.58	5.47		0.01	0.10	2
02/26/08	1427.7	346,091	4,319	0.25	345,880		2.3	129.9		0.09	5.56		0.00	0.10	4
03/04/08	1428.2	346,400	309	0.03	346,189		0.2	130.0		0.01	5.56		0.00	0.10	
03/05/08	1,428.2	346,400	0	0.00	346,189	40,000	0.0	130.0	2,100	0.00	5.56	28	0.00	0.10	
03/13/08	1,617.8	379,835	33,435	2.90	379,624	37,000	10.3	140.4	1,700	0.47	6.04	37	0.01	0.11	
08/01/08	1,617.8	379,835	1,000	0.00	379,624	41,000	0.3	140.7	1,500	0.01	6.05	36	0.00	0.11	5
08/08/08	1,623.1	380,302	467	0.05	380,091	40,000	0.2	140.9	1,900	0.01	6.06	35	0.00	0.11	
08/14/08	1,734.0	393,425	13,123	1.52	393,214		4.4	145.2		0.21	6.27		0.00	0.12	
08/22/08	1,928.0	411,400	17,975	1.56	411,189		6.0	151.2		0.28	6.55		0.01	0.12	
08/26/08	2,052.0	421,400	10,000	1.74	421,189		3.3	154.6		0.16	6.71		0.00	0.12	
08/29/08	2,095.7	425,300	3,900	0.90	425,089		1.3	155.9		0.06	6.77		0.00	0.12	
09/03/08	2,218.9	436,999	11,699	1.62	436,788	31,000	3.0	158.9	970	0.09	6.87	33	0.00	0.13	
09/10/08	2,384.8	453,500	16,501	1.64	453,289		4.3	163.2		0.13	7.00		0.00	0.13	
09/11/08	2,406.8	456,388	2,888	2.01	456,177		0.7	163.9		0.02	7.02		0.00	0.13	
09/17/08	2,555.1	472,712	16,324	1.89	472,501	32,000	4.2	168.1	1,300	0.13	7.15	22	0.00	0.14	
09/22/08	2,674.4	484,718	12,006	1.67	484,507		3.1	171.3		0.10	7.25		0.00	0.14	
09/25/08	2,743.4	491,450	6,732	1.56	491,239		1.7	173.0		0.05	7.31		0.00	0.14	
10/01/08	2,880.0	504,825	13,375	1.55	504,614	26,000	2.9	175.9	980	0.11	7.42	28	0.00	0.15	
10/07/08	3,030.7	504,826	1	0.00	504,615		0.0	175.9		0.00	7.42		0.00	0.15	
10/14/08	3,203.0	521,800	16,974	1.68	521,589		3.7	179.6		0.14	7.55		0.00	0.15	

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Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
10/16/08	3,249.5	525,436	3,636	1.26	525,225	27,000	0.8	180.4	1,100	0.03	7.59	34	0.00	0.15	
10/20/08	3,342.5	532,668	7,232	1.26	532,457		1.6	182.0		0.07	7.65		0.00	0.15	
10/30/08	3,587.3	551,119	18,451	1.28	550,908		4.2	186.2		0.17	7.82		0.01	0.16	
11/04/08	3,710.8	566,883	15,764	2.19	566,672	25,000	3.3	189.5	670	0.09	7.91	24	0.00	0.16	
11/14/08	3,928.6	591,371	24,488	1.70	591,160		5.1	194.6		0.14	8.05		0.00	0.17	
11/21/08	4,100.2	609,095	17,724	1.76	608,884	87,000	12.9	207.4	2,700	0.40	8.45	30	0.00	0.17	
11/26/08	4,215.2	619,510	10,415	1.45	619,299		7.6	215.0		0.23	8.68		0.00	0.17	
12/03/08	4,384.8	634,191	14,681	1.46	633,980	33,000	4.0	219.1	710	0.09	8.77	26	0.00	0.18	
12/04/08	4,400.2	635,755	1,564	1.09	635,544		0.4	219.5		0.01	8.78		0.00	0.18	
12/10/08	4,540.5	648,910	13,155	1.52	648,699		3.6	223.1		0.08	8.86		0.00	0.18	
12/18/08	4,733.3	666,837	17,927	1.56	666,626	39,000	5.8	228.9	730	0.11	8.97	24	0.00	0.18	
12/23/08	4,849.8	678,134	11,297	1.57	677,923		3.7	232.6		0.07	9.03		0.00	0.19	
12/30/08	5,019.9	696,221	18,087	1.79	696,010		5.9	238.5		0.11	9.15		0.00	0.19	
01/06/09	5,190.8	713,656	17,435	1.73	713,445	21,000	3.1	241.6	690	0.10	9.25	22	0.00	0.19	
01/09/09	5,257.3	719,457	5,801	1.34	719,246		1.0	242.6		0.03	9.28		0.00	0.19	
01/10/09	5,285.0	720,715	1,259	0.87	720,504		0.2	242.8		0.01	9.29		0.00	0.19	
01/15/09	5,407.8	730,670	9,955	1.38	730,459		1.7	244.5		0.06	9.34		0.00	0.20	
01/21/09	5,551.8	746,771	16,101	1.86	746,560	17,000	2.3	246.8	640	0.09	9.43	25	0.00	0.20	
01/29/09	5,714.0	764,570	17,799	1.55	764,359		2.5	249.3		0.10	9.52		0.00	0.20	
02/03/09	5,800.3	778,493	13,923	1.93	778,282	17,000	2.0	251.3	530	0.06	9.59	21	0.00	0.21	
02/12/09	5,813.7	795,800	17,307	1.34	795,589		2.5	253.8		0.08	9.66		0.00	0.21	
02/18/09	5,854.3	806,200	10,400	1.20	805,989		1.5	255.3		0.05	9.71		0.00	0.21	
02/20/09	5,891.1	814,275	8,075	2.80	814,064	35,000	2.4	257.6	660	0.04	9.75	200	0.01	0.22	
02/25/09	5,931.4	822,654	8,379	1.16	822,443		2.4	260.1		0.05	9.80		0.01	0.24	
03/03/09	6,062.5	850,576	27,922	3.23	850,365	12,000	2.8	262.9	350	0.08	9.88	12	0.00	0.24	
03/04/09	6,075.0	853,991	3,415	2.37	853,780		0.3	263.2		0.01	9.89		0.00	0.24	
03/06/09	6,123.4	864,918	10,927	3.79	864,707		1.1	264.3		0.03	9.92		0.00	0.24	
03/09/09	6,169.2	878,100	13,182	3.05	877,889		1.3	265.6		0.04	9.96		0.00	0.24	
03/13/09	6,191.4	883,831	5,731	0.99	883,620		0.6	266.2		0.02	9.98		0.00	0.24	
03/16/09	6,225.9	897,472	13,641	3.16	897,261	27,000	3.1	269.3	630	0.07	10.05	26	0.00	0.25	
03/25/09	6,231.3	903,200	5,728	0.44	902,989		1.3	270.5		0.03	10.08		0.00	0.25	
05/11/09	6,238.2	906,017	2,817	0.04	905,806		0.6	271.2		0.01	10.09		0.00	0.25	
05/13/09	6,278.0	912,700	6,683	2.32	912,489		1.5	272.7		0.04	10.13		0.00	0.25	
05/14/09	6,291.9	915,463	2,763	1.92	915,252	48,000	1.1	273.8	800	0.02	10.15	41	0.00	0.25	
05/19/09	6,369.3	932,195	16,732	2.32	931,984		6.7	280.5		0.11	10.26		0.01	0.26	
05/21/09	6,415.5	940,780	8,585	2.98	940,569		3.4	283.9		0.06	10.32		0.00	0.26	
05/27/09	6,562.6	964,884	24,104	2.79	964,673		9.7	293.6		0.16	10.48		0.01	0.27	
05/28/09	6,586.1	969,300	4,416	3.07	969,089		1.8	295.4		0.03	10.51		0.00	0.27	
06/01/09	6,677.7	987,100	17,800	3.09	986,889		7.1	302.5		0.10	10.61		0.00	0.27	
06/03/09	6,725.3	989,952	2,852	0.99	989,741		1.1	303.6		0.02	10.63		0.00	0.27	
06/05/09	6,777.7	994,455	4,503	1.56	994,244	29,000	1.1	304.7	690	0.03	10.65	32	0.00	0.28	
06/08/09	6,847.9	1,000,000	5,545	1.28	999,789		1.3	306.1		0.03	10.68		0.00	0.28	
06/19/09	7,022.7	1,029,670	29,670	1.87	1,029,459		7.2	313.2		0.17	10.86		0.01	0.29	
06/25/09	7,026.5	1,031,225	1,555	0.18	1,031,014		0.4	313.6		0.01	10.86		0.00	0.29	
07/02/09	7,105.7	1,047,007	15,782	1.57	1,046,796		3.8	317.4		0.09	10.96		0.00	0.29	
07/08/09	7,123.4	1,049,143	2,136	0.25	1,048,932	27,000	0.5	317.9	710	0.01	10.97	35	0.00	0.29	
07/15/09	7,161.0	1,052,800	3,657	0.36	1,052,589		0.8	318.7		0.02	10.99		0.00	0.29	
07/22/09	7,327.9	1,066,800	14,000	1.39	1,066,589		3.2	321.9		0.08	11.07		0.00	0.30	
09/02/09	7,329.0	1,066,800	0	0.00	1,066,589	30,000	0.0	321.9	700.0	0.00	11.07	33.0	0.00	0.30	
09/03/09	7,337.6	1,069,900	3,100	2.15	1,069,689		0.8	322.7		0.02	11.09		0.00	0.30	
09/09/09	7,484.7	1,090,472	20,572	2.38	1,090,261		5.1	327.8		0.12	11.21		0.01	0.30	
09/17/09	7,560.0	1,101,956	11,484	1.00	1,101,745		2.9	330.7		0.07	11.28		0.00	0.31	
09/22/09	7,680.0	1,132,472	30,516	4.24	1,132,261		7.6	338.3		0.18	11.46		0.01	0.31	
10/02/09	7,881.9	1,133,286	814	0.06	1,133,075	24,000	0.2	338.5	650.0	0.00	11.46	21.0	0.00	0.31	
10/07/09	7,899.4	1,137,965	4,679	0.65	1,137,754		0.9	339.4		0.03	11.49		0.00	0.32	
10/16/09	7,921.4	1,146,420	8,455	0.65	1,146,209		1.7	341.1		0.05	11.53		0.00	0.32	
10/22/09	7,924.0	1,147,971	1,551	0.18	1,147,760		0.3	341.4		0.01	11.54		0.00	0.32	

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
10/28/09	7,981.0	1,161,200	13,229	1.53	1,160,989		2.6	344.1		0.07	11.61		0.00	0.32	
10/29/09	8,009.5	1,164,700	3,500	2.43	1,164,489		0.7	344.8		0.02	11.63		0.00	0.32	
11/04/09	8,096.0	1,179,157	14,457	1.67	1,178,946	18,000	2.2	347.0	700.0	0.08	11.72	43.0	0.01	0.32	
11/10/09	8,238.7	1,191,500	12,343	1.43	1,191,289		1.9	348.8		0.07	11.79		0.00	0.33	
11/16/09	8,386.9	1,213,431	21,931	2.54	1,213,220		3.3	352.1		0.13	11.92		0.01	0.34	
11/24/09	8,577.5	1,237,700	24,269	2.11	1,237,489		3.6	355.8		0.14	12.06		0.01	0.35	
12/01/09	8,744.9	1,256,800	19,100	1.89	1,256,589	17,000	2.7	358.5	420.0	0.07	12.13	16.0	0.00	0.35	
12/09/09	8,933.9	1,276,800	20,000	1.74	1,276,589		2.8	361.3		0.07	12.20		0.00	0.35	
12/15/09	9,047.3	1,293,214	16,414	1.90	1,293,003		2.3	363.6		0.06	12.25		0.00	0.35	
Total Extracted Volume (gal):					1,293,003	Pounds Removed:		363.6	Pounds Removed:		12.25	Pounds Removed:		0.35	
Average Operational Flow Rate (gpm):					0.99	Gallons Removed:		59.7	Gallons Removed:		1.67	Gallons Removed:		0.06	

Notes:

- = Hour Meter installed beginning at zero.
- = System shutdown for carbon change out.
- = BISCO unit was reset to zero hours following replacement of PLC
- = System restarted for collecting compliance vapor samples. Upon collection of vapor samples, system was turned off pending carbon changeout.
- = Approximately 1,000 gallons of water pumped on 8/1/08 was not discharged to the sewer. Water was hauled offsite by IWM.
- = System started for full time operation.

Formulas and Assumptions:

- Mass Removed During the Period = Volume of Water Extracted (in gallons) x Concentration (ug/L) x (g/10⁶ug) x (pound/453.6g) x (3.785 L/gal)
When concentration of individual parameters were not detected, the concentration was assumed to half the detection limit for calculation purposes.
- Gallons Removed = Mass (pounds) x (Density)⁻¹ (cc/g) x 453.6 (g/pound) x (L/1000 cc) x (gal/3.785 L)
Density: = 0.73 g/cc
 = 0.88 g/cc
 = 0.74 g/cc
- Average Flow Rate = (Gallons of Extracted Water (gal) / Number of Operational Days) * (60 min/hr) * (24 hours/day)

Abbreviations:

TPHg = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)

BTEX = benzene, toluene, ethylbenzene, and total xylenes (by EPA Method 8020)
MTBE = methyl tert-butyl ether (by EPA Method 8260B)

L = liter
µg/L = micrograms per liter
gal = gallon
gpm = gallon per minute
lbs = pounds
mg = milligrams per liter
g = grams
Blank Cell = indicates not sampled

TABLE 3: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

Effluent Compliance Results
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Sampling Date (mm/dd/yy)	Concentrations						pH ⁴	Notes
	TPHg ¹ (µg/L)	Benzene ² (µg/L)	Toluene ² (µg/L)	Ethylbenzene ² (µg/L)	Xylenes ² (µg/L)	MTBE ³ (µg/L)		
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.17	
07/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.1	
07/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
08/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.2	
08/22/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
08/29/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.89	
09/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.5	
10/04/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.92	
10/08/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.36	
10/19/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
10/25/07	NS	NS	NS	NS	NS	NS	7.3	
12/05/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
12/06/07	NS	NS	NS	NS	NS	NS	7.5	
12/18/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
01/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.03	
01/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
02/07/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.65	
02/14/08	NS	NS	NS	NS	NS	NS	6.72	
03/05/08	< 50	< 0.5	0.7	< 0.5	< 1.5	< 0.5	8.3	5
03/13/08	120	2.2	17	1.2	23	< 0.5	NA	6
08/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.25	7
08/08/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.01	
09/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.41	
09/17/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.47	
10/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.73	
10/16/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
11/04/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.42	
11/21/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.69	
12/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.32	
12/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.70	
01/06/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	8.65	
01/21/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
02/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.78	
02/20/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.97	
03/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.59	
03/16/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
05/11/09	NA	NA	NA	NA	NA	NA	7.43	
05/14/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
06/05/09	59	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
06/08/09	NA	NA	NA	NA	NA	NA	7.45	
07/08/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.20	
09/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
09/09/09	NA	NA	NA	NA	NA	NA	7.90	
10/02/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.40	
11/04/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.64	
12/01/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.10	
Regulatory Limits (µg/L)	15,000	ND	ND	ND	ND	No Limit	5.5<L<12.5	

Abbreviations & Notes:

- = analyzed by EPA Method 8015B
- = analyzed by EPA Method 8020
- = analyzed by EPA Method 8260B
- = pH readings were obtained onsite by utilizing a portable multimeter
- = Effluent Permit Discharge Limitation of non detect was exceeded. The system was shut down the day the results were obtained (3/13/08), confirmation samples were collected and the OLSD was notified pursuant to the discharge permit. No violation was issued by the OLSD.
- = Confirmation samples results collected prior to system shut down pursuant to results of samples collected on 3/5/08. System was shut down pending results and a carbon change out/installation of additional carbon vessel were arranged in series. The results were forwarded to the OLSD pursuant to permit requirements and no associated fines were assessed due to the analytical results.
- = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer pending receipt of analytical results.

µg/L = micrograms per liter

NA = not analyzed

ND = non detect

< = not detected at or above laboratory reporting limit indicated

TPHg = total petroleum hydrocarbons quantified as gasoline

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTBE = methyl tertiary butyl ether

OLSD = Oro Loma Sanitation District

ATTACHMENT A

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

December 17, 2009

Project: 90260

Samples arrived at the laboratory on Thursday, December 03, 2009. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1173530.

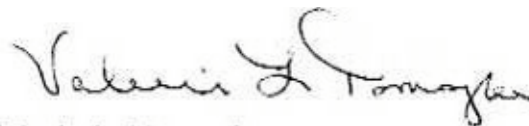
<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
INF-W-091201 Grab Water	5853642
MID-1-W-091201 Grab Water	5853643
MID-2-W-091201 Grab Water	5853644
EFF-W-091201 Grab Water	5853645

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Jeff Schrupp
ELECTRONIC COPY TO	Chevron	Attn: C Sanders

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,



Valerie L. Tomayko
Group Leader

Sample Description: INF-W-091201 Grab Water
Facility# 90260 CRAW
21995 Foothill Blvd-Hayward T0600100315 INF

LLI Sample # WW 5853642
LLI Group # 1173530
CA

Project Name: 90260

Collected: 12/01/2009 11:50 by PR

Account Number: 10880

Submitted: 12/03/2009 09:00

ChevronTexaco

Reported: 12/17/2009 at 14:25

6001 Bollinger Canyon Rd L4310

Discard: 01/17/2010

San Ramon CA 94583

FBH-I

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
02309	Methyl Tertiary Butyl Ether	1634-04-4	ug/l 16	ug/l 1	ug/l 2	2
GC Volatiles SW-846 8015B						
01729	TPH-GRO N. CA water C6-C12	n.a.	ug/l 17,000	ug/l 500	ug/l 1,000	10
GC Volatiles SW-846 8020A						
05879	Benzene	71-43-2	420	5.0	20	10
05879	Ethylbenzene	100-41-4	110	5.0	20	10
05879	Toluene	108-88-3	2,700	5.0	20	10
05879	Total Xylenes	1330-20-7	3,100	15	50	10

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F093391AA	12/05/2009 15:08	Anita M Dale	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093391AA	12/05/2009 15:08	Anita M Dale	2
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09341B94A	12/09/2009 02:38	Marie D John	10
05879	BTEX	SW-846 8020A	1	09341B94A	12/09/2009 02:38	Marie D John	10
01146	GC VOA Water Prep	SW-846 5030B	1	09341B94A	12/09/2009 02:38	Marie D John	10

*=This limit was used in the evaluation of the final result



Analysis Report

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Page 1 of 1

Sample Description: MID-1-W-091201 Grab Water
Facility# 90260 CRAW
21995 Foothill Blvd-Hayward T0600100315 MID-1

LLI Sample # WW 5853643
LLI Group # 1173530
CA

Project Name: 90260

Collected: 12/01/2009 11:55 by PR

Account Number: 10880

Submitted: 12/03/2009 09:00

ChevronTexaco

Reported: 12/17/2009 at 14:25

6001 Bollinger Canyon Rd L4310

Discard: 01/17/2010

San Ramon CA 94583

FBH-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
02309	Methyl Tertiary Butyl Ether	SW-846 8260B 1634-04-4	ug/l 6	ug/l 0.5	ug/l 1	1
GC Volatiles						
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B n.a.	ug/l N.D.	ug/l 50	ug/l 100	1
GC Volatiles						
05879	Benzene	SW-846 8020A 71-43-2	ug/l N.D.	ug/l 0.5	ug/l 2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F093391AA	12/05/2009 15:30	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093391AA	12/05/2009 15:30	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09348A94A	12/15/2009 19:21	Marie D John	1
05879	BTEX	SW-846 8020A	1	09348A94A	12/15/2009 19:21	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09341B94A	12/08/2009 20:55	Marie D John	1

*=This limit was used in the evaluation of the final result

Sample Description: MID-2-W-091201 Grab Water
Facility# 90260 CRAW
21995 Foothill Blvd-Hayward T0600100315 MID-2

LLI Sample # WW 5853644
LLI Group # 1173530
CA

Project Name: 90260

Collected: 12/01/2009 12:00 by PR

Account Number: 10880

Submitted: 12/03/2009 09:00

ChevronTexaco

Reported: 12/17/2009 at 14:25

6001 Bollinger Canyon Rd L4310

Discard: 01/17/2010

San Ramon CA 94583

FBH-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles						
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
GC Volatiles						
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Volatiles						
05879	Benzene	71-43-2	N.D.	0.5	2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F093391AA	12/05/2009 15:51	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093391AA	12/05/2009 15:51	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09341B94A	12/08/2009 14:38	Marie D John	1
05879	BTEX	SW-846 8020A	1	09341B94A	12/08/2009 14:38	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09341B94A	12/08/2009 14:38	Marie D John	1

*=This limit was used in the evaluation of the final result



Analysis Report

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Page 1 of 1

Sample Description: EFF-W-091201 Grab Water
Facility# 90260 CRAW
21995 Foothill Blvd-Hayward T0600100315 EFF

LLI Sample # WW 5853645
LLI Group # 1173530
CA

Project Name: 90260

Collected: 12/01/2009 12:05 by PR

Account Number: 10880

Submitted: 12/03/2009 09:00

ChevronTexaco

Reported: 12/17/2009 at 14:25

6001 Bollinger Canyon Rd L4310

Discard: 01/17/2010

San Ramon CA 94583

FBH-E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC	Volatiles	SW-846 8020A	ug/l	ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2501

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F093391AA	12/05/2009 16:13	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F093391AA	12/05/2009 16:13	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09341B94A	12/08/2009 15:04	Marie D John	1
05879	BTEX	SW-846 8020A	1	09341B94A	12/08/2009 15:04	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09341B94A	12/08/2009 15:04	Marie D John	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/17/09 at 02:25 PM

Group Number: 1173530

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F093391AA	Sample number(s): 5853642-5853645								
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	100	99	76-120	2	30
Batch number: 09341B94A	Sample number(s): 5853642,5853644-5853645								
Benzene	N.D.	0.5	2.0	ug/l	105	105	80-120	0	30
Ethylbenzene	N.D.	0.5	2.0	ug/l	100	105	80-120	5	30
Toluene	N.D.	0.5	2.0	ug/l	100	105	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	127	127	75-135	0	30
Total Xylenes	N.D.	1.5	5.0	ug/l	103	105	80-120	2	30
Batch number: 09348A94A	Sample number(s): 5853643								
Benzene	N.D.	0.5	2.0	ug/l	105	100	80-120	5	30
Ethylbenzene	N.D.	0.5	2.0	ug/l	105	100	80-120	5	30
Toluene	N.D.	0.5	2.0	ug/l	105	100	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	109	100	75-135	9	30
Total Xylenes	N.D.	1.5	5.0	ug/l	105	102	80-120	3	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: F093391AA	Sample number(s): 5853642-5853645 UNSPK: P854512								
Methyl Tertiary Butyl Ether	102		72-126						
Batch number: 09341B94A	Sample number(s): 5853642,5853644-5853645 UNSPK: P853643, 5853644								
Benzene	115		80-152						
Ethylbenzene	115		80-133						
Toluene	115		80-133						
TPH-GRO N. CA water C6-C12	145		63-154						
Total Xylenes	117		80-148						
Batch number: 09348A94A	Sample number(s): 5853643 UNSPK: P860767								
Benzene	102	102	80-152	0	20				
Ethylbenzene	96	101	80-133	5	30				
Toluene	96	96	80-133	0	30				
Total Xylenes	95	99	80-148	3	30				

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/17/09 at 02:25 PM

Group Number: 1173530

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: MTBE by GC/MS (water)

Batch number: F093391AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5853642	86	84	86	96
5853643	89	87	88	91
5853644	90	90	88	96
5853645	87	85	85	93
Blank	85	84	85	92
LCS	89	86	84	93
LCSD	89	86	86	94
MS	90	86	89	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 09341B94A

	Trifluorotoluene-F	Trifluorotoluene-P
5853642	86	95
5853644	85	94
5853645	85	94
Blank	84	94
LCS	89	93
LCSD	89	93
MS	89	93
Limits:	63-135	69-129

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 09348A94A

	Trifluorotoluene-F	Trifluorotoluene-P
5853643	88	93
Blank	85	93
LCS	98	93
LCSD	97	93
MS		88
MSD		89
Limits:	63-135	69-129

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Lancaster
Laboratories**

120209-19

1052

Acct. #: 10880

For Lancaster Laboratories use only

Group # 1173530

Sample #: 5853642-415

[illegible]

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3460 Rev. 11/10/05

Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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