GETTLER-RYAN INC.

JUL 2 5 2002

TRANSMITTAL

July 5, 2002
G-R #386509

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 20, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 16, 2002

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***July 22, 2002***, at which time the final report will be distributed to the following:

cc: Mr. Amir Gholami, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Chuck Headlee, RWQCB - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Ms. Anna Counelis and Tula Gallanes, 109 Casa Vieja, Orinda, CA 94563

Enclosures

trans/9-4930-ks

GETTLER-RYAN INC.

June 20, 2002
G-R Job #386509

Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: Second Quarter Event of May 16, 2002
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

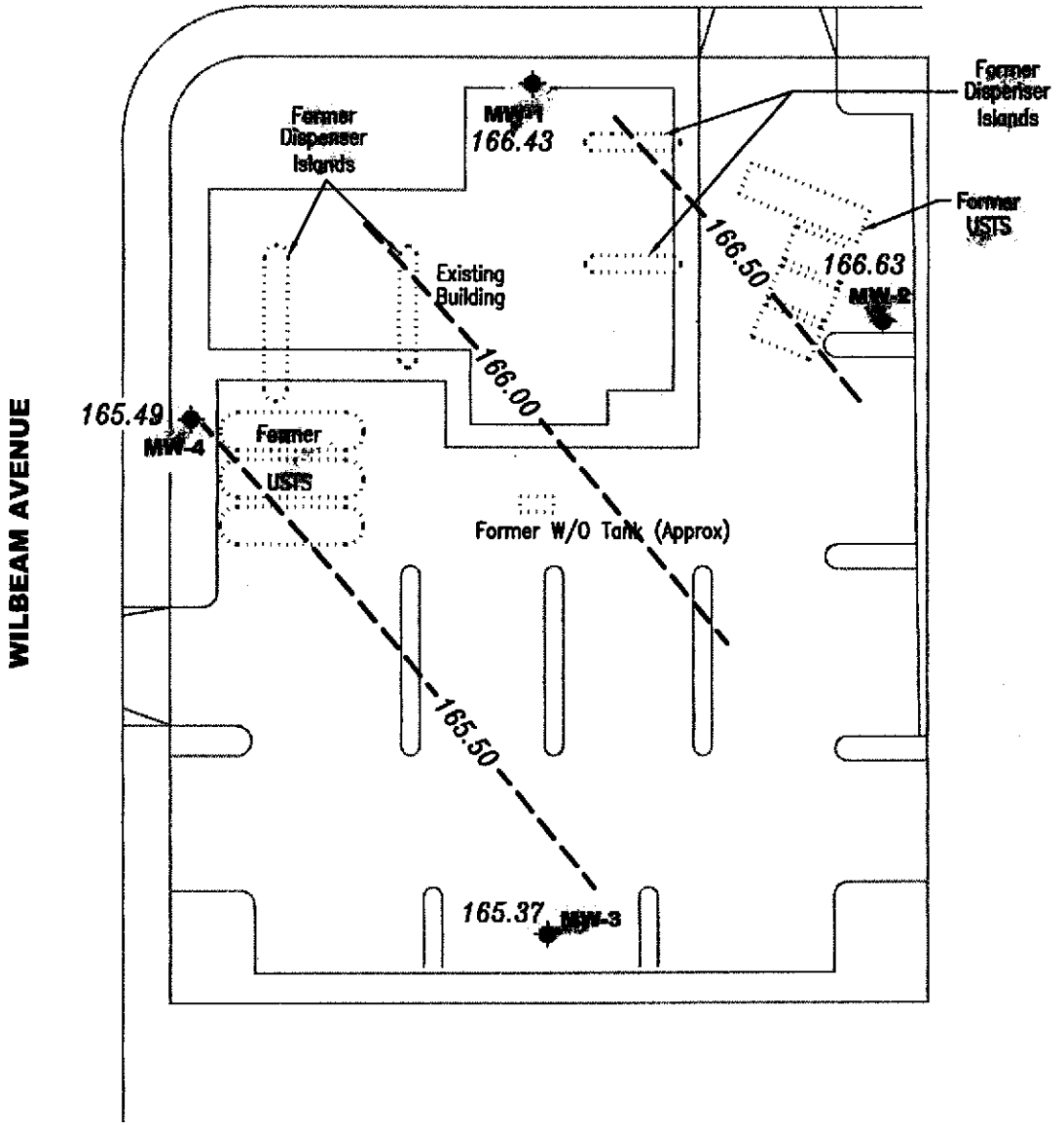
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred.
- Approximate groundwater flow direction at a gradient of 0.009 Ft./Ft.

N

0 40

Scale in Feet

Source: Figure modified from drawing provided by RRM engineering contracting firm.

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Former Chevron Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386509		May 16, 2002	

FILE NAME: P:\Enviro\Chevron\9-4930\002-9-4930.dwg | Layout Tab: Pot2

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1													
10/29/93	172.90	166.15	6.75	1,000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	670	35	3.5	43	3.9	--	0.8	16	14	47
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	560	43	9.5	25	5.0	--	1.3	19	13	65
11/11/94	172.90	167.00	5.90	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	240	25	0.6	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	350	36	<0.5	30	<0.5	15	--	--	--	--
01/26/96	172.90	166.85	6.05	210	23	<0.5	12	<0.5	4.7	--	--	--	--
05/08/96	172.90	166.50	6.40	310	42	2.3	56	1.1	52	--	--	--	--
10/03/96	173.53	166.61	6.92	240	31	<0.5	1.7	<0.5	18	--	--	--	--
02/04/97	173.53	167.02	6.51	200	9.9	<0.5	3.7	<0.5	16	--	--	--	--
04/30/97	173.53	166.64	6.89	260	11	<0.5	17	<0.5	13	--	--	--	--
07/22/97	173.53	166.49	7.04	170	5.0	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	173.53	166.55	6.98	230	13	<0.5	7.8	0.68	--[1]	--	--	--	--
02/11/98	173.53	167.52	6.01	110	3.1	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	173.53	166.72	6.81	170	4.2	1.8	2.1	<0.5	<2.5	--	--	--	--
08/07/98	173.53	167.01	6.52	110	5.2	<0.5	6.7	<0.5	13	--	--	--	--
11/05/98	173.53	166.58	6.95	160	1.8	<0.5	<0.5	0.53	<2.5	--	--	--	--
03/02/99	173.53	166.97	6.56	119	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	173.53	166.89	6.64	153	3.17	<0.5	0.791	<0.5	<5.0	--	--	--	--
08/24/99	173.53	166.40	7.13	96.2	1.38	<0.5	<0.5	<0.5	14.7	--	--	--	--
11/19/99	173.53	166.92	6.61	209	13.1	1.68	12.3	<0.5	3.79	--	--	--	--
02/03/00	173.53	168.30	5.23	95	1.4	<0.5	<0.5	<0.5	15	--	--	--	--
05/03/00	173.53	166.52	7.01	120[2]	0.92	<0.50	<0.50	<0.50	12	--	--	--	--
07/28/00	173.53	166.45	7.08	100[2]	<0.50	<0.50	<0.50	<0.50	21	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1 (cont)													
11/13/00	173.53	169.41	4.12	73.0[3]	1.14	<0.500	<0.500	<0.500	27.0	--	--	--	--
02/15/01	173.53	166.86	6.67	148[4]	2.34	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	173.53	166.48	7.05	97[2]	1.5	<0.50	<0.50	<0.50	3.0/2.1[5]	--	--	--	--
08/30/01[6]	173.53	166.21	7.32	410	4.8	<0.50	1.4	<0.50	--/<5.0[5]	--	--	--	--
11/29/01	173.53	166.78	6.75	180	5.7	<0.50	2.3	<1.5	<2.5	--	--	--	--
02/05/02	173.53	166.73	6.80	120	1.9	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02[7]	**173.53**	**166.43**	**7.10**	**120**	**1.00**	**<0.50**	**<0.50**	**<1.5**	**2.0**	**--**	**41**	**<2**	**300**
MW-2													
10/29/93	173.91	166.05	7.86	5,600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	1,100	160	0.8	64	2.0	--	<0.5	0.9	<0.5	2.0
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	190	7.1	4.1	3.1	1.2	--	<0.5	1.1	<0.5	4.5
11/11/94	173.91	167.08	6.83	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	190	46	<0.5	1.6	<0.5	<2.5	--	--	--	--
01/26/96	173.91	168.13	5.78	<50	13	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	173.91	166.76	7.15	<50	4.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	172.67	166.66	6.01	63	4.3	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	172.67	167.40	5.27	<50	1.6	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	172.67	166.74	5.93	<50	5.4	<0.5	0.8	<0.5	<2.5	--	--	--	--
07/22/97	172.67	166.53	6.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	172.67	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/11/98	172.67	167.95	4.72	<50	0.52	0.63	<0.5	<0.5	<2.5	--	--	--	--

Table 1

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Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-2 (cont)													
05/08/98	172.67	167.07	5.60	<50	1.1	1.2	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	172.67	166.33	6.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	172.67	166.59	6.08	120	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	172.67	167.41	5.26	67	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	172.67	167.71	4.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	172.67	165.33	7.34	<50	1.18	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	172.67	166.84	5.83	<50	4.29	0.907	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	172.67	167.24	5.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	172.67	166.81	5.86	100[2]	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	172.67	166.76	5.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	172.67	166.69	5.98	82.8[3]	0.825	<0.500	<0.500	<0.500	25.0	--	--	--	--
02/15/01	172.67	167.25	5.42	161[4]	0.808	<0.500	<0.500	<0.500	30.3	--	--	--	--
05/31/01	172.67	166.91	5.76	120[2]	3.0	<0.50	<0.50	<0.50	29/26[5]	--	--	--	--
08/30/01[6]	172.67	166.55	6.12	450	2.2	<0.50	<0.50	<0.50	--/27[5]	--	--	--	--
11/29/01	172.67	167.29	5.38	250	1.3	<0.50	<0.50	<1.5	17	--	--	--	--
02/05/02	172.67	166.97	5.70	190	1.3	<0.50	<0.50	<1.5	7.5	--	--	--	--
05/16/02[8]	**172.67**	**166.63**	**6.04**	**230**	**0.87**	**<0.50**	**<0.50**	**<1.5**	**5.3**	**--**	**35**	**<2**	**640**
MW-3													
10/29/93	172.60	164.96	7.64	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	2.0	<0.5	220
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	1.6	<0.5	320
11/11/94	172.60	165.73	6.87	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/01/95	172.60	167.03	5.57	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-3 (cont)													
08/22/95	172.60	165.35	7.25	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--
01/26/96	172.60	167.35	5.25	160	<2.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	172.60	165.55	7.05	--	--	--	--	--	--	--	--	--	--
10/03/96	170.47	165.29	5.18	150	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	170.47	166.27	4.20	88	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	170.47	165.37	5.10	--	--	--	--	--	--	--	--	--	--
07/22/97	170.47	165.15	5.32	180	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	170.47	165.12	5.35	--	--	--	--	--	--	--	--	--	--
02/11/98	170.47	167.47	3.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	170.47	165.96	4.51	--	--	--	--	--	--	--	--	--	--
08/07/98	170.47	165.26	5.21	110	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	170.47	165.35	5.12	--	--	--	--	--	--	--	--	--	--
03/02/99	170.47	166.19	4.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	170.47	165.82	4.65	--	--	--	--	--	--	--	--	--	--
08/24/99	170.47	164.76	5.71	352	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	170.47	164.64	5.83	--	--	--	--	--	--	--	--	--	--
02/03/00	170.47	165.55	4.92	140	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	170.47	165.54	4.93	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
07/28/00	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
11/13/00	170.47	165.29	5.18	--	--	--	--	--	--	--	--	--	--
02/15/01	170.47	166.10	4.37	310[4]	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	170.47	165.62	4.85	230[2]	<1.0	<1.0	<1.0	<1.0	5.2/2.4[5]	--	--	--	--
08/30/01	170.47	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--
11/29/01	170.47	166.12	4.35	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	--
02/05/02	170.47	165.63	4.84	360	<0.50	<0.50	<0.50	<1.5	2.8	--	--	--	--
05/16/02[9]	**170.47**	**165.37**	**5.10**	**340[4]**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**3.4**	**--**	**37**	**<2**	**890**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-4													
10/29/93	170.68	165.18	5.50	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	1,700	130	1.4	100	11	--	22	59	13	180
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	800	17	3.5	9.3	4.4	--	25	53	22	510
11/11/94	170.68	165.46	5.22	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	1,600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	1,300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	320	3.3	<0.5	4.1	<0.5	27	--	--	--	--
01/26/96	170.68	166.40	4.28	1,400	65	<2.5	98	71	100	--	--	--	--
05/08/96	170.68	165.33	5.35	610	28	1.2	58	4.4	70	--	--	--	--
10/03/96	171.70	165.48	6.22	210	4.2	<0.5	<0.5	<0.5	12	--	--	--	--
02/04/97	171.70	166.57	5.13	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	--
04/30/97	171.70	165.60	6.10	870	49	<2.0	100	<2.0	18	--	--	--	--
07/22/97	171.70	165.36	6.34	420	16	<0.5	23	<0.5	9.4	--	--	--	--
11/03/97	171.70	165.35	6.35	370	8.1	0.54	10	7.6	30	--	--	--	--
02/11/98	171.70	167.16	4.54	<50	2.0	0.58	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	171.70	166.25	5.45	230	13	2.3	37	4.3	15	--	--	--	--
08/07/98	171.70	166.57	5.13	85	4.8	<0.5	11	0.87	57	--	--	--	--
11/05/98	171.70	165.31	6.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	171.70	166.65	5.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	171.70	166.40	5.30	<50	0.9	<0.5	0.843	<0.5	<5.0	--	--	--	--
08/24/99	171.70	164.35	7.35	<50	0.893	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	171.70	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/03/00	171.70	166.35	5.35	<50	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--
05/03/00	171.70	165.72	5.98	110[2]	1.1	<0.50	0.51	<0.50	12	--	--	--	--
07/28/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-4 (cont)													
11/13/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--
02/15/01	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING					--	--	--	--	--	--	--
05/31/01	171.70	166.62	5.08	<50	0.63	<0.50	<0.50	<0.50	<2.5/<2.0[5]	--	--	--	--
08/30/01[6]	171.70	165.30	6.40	560	3.6	<0.50	21	1.3	--/<5.0[5]	--	--	--	--
11/29/01	171.70	166.05	5.65	210	1.5	<0.50	6.6	<1.5	<5.0	--	--	--	--
02/05/02	171.70	165.83	5.87	71	<0.50	<0.50	1.0	<1.5	<2.5	--	--	--	--
05/16/02[10]	**171.70**	**165.49**	**6.21**	**160**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**4.9**	**--**	**46**	**<2**	**420**
TRIP BLANK													
02/25/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
01/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
07/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/11/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
TRIP BLANK (cont)													
11/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
02/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
08/30/01[6]	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--/<5.0[5]	--	--	--	--
QA													
11/29/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02	--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-4930

3369 Castro Valley Boulevard

Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 3, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCE = 1,2-Dichloroethene

TCE = Trichloroethene
DCFM = Dichlorodifluoromethane
PCE = Tetrachloroethene
(ppb) = Parts per billion
-- = Not Measured/Not Analyzed
QA = Quality Assurance

1 No value for MTBE could be determined; see lab report.

2 Laboratory report indicates discrete peaks.

3 Laboratory report indicates unidentified hydrocarbons C6-C12.

4 Laboratory report indicates single analyte peak(s) are present in the requested fuel quantitation range. Fuel hydrocarbon is not present.

5 MTBE by EPA Method 8260.

6 TPH-G and BTEX by EPA Method 8260.

7 Analyses for trans-1,2-DCE was detected at 3 ppb, and cis-1,2-DCE was detected at 9 ppb.

8 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 10 ppb.

9 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 8 ppb.

10 Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 28 ppb.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/31/01	<1.000	<500	<20	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
MW-2	05/31/01	<1.000	<500	<20	26	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	27	--	--	--	--	--
MW-3	05/31/01	<1.000	<500	<20	2.4	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	INACCESSIBLE - TRUCK PARKED OVER WELL				--	--	--	--	--
MW-4	05/31/01	<1.000	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
TRIP BLANK	08/30/01	--	--	--	<5.0	--	--	--	--	--

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
(ppm) = Parts per million
(ppb) = Parts per billion
-- = Not Analyzed

ANALYTICAL METHODS:

EPA Method 8015 (Modified) for Methanol
EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-4930 Job#: 386509
Address: 3369 Castro Valley Blvd. Date: 5/16/02
City: Castro Valley, CA Sampler: TC

Well ID MW-1 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 18.29 ft.
Depth to Water 7.10 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.19 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1436 Weather Conditions: Sunny / Clear
Sampling Time: 1450 Water Color: Cloudy Odor: YES
Purging Flow Rate: gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1438	2	7.70	608	74°			
1440	4	7.24	563	68°			
1442	6	7.25	552	66.4°			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe / 8260

COMMENTS: took total well depth

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-4930 Job#: 386509
Address: 3369 Castro Valley Blvd. Date: 5/16/02
City: Castro Valley, CA Sampler: TC

Well ID: MW-2 Well Condition: O.K
Well Diameter: 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth: 16.61 ft.
Depth to Water: 6.04 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

10.57 X VF .17 = 1.7 X 3 (case volume) = Estimated Purge Volume: 5 1/2 (gal.)

Purge Equipment: ~~Disposable Bailer~~, Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1455
Sampling Time: 1510
Purging Flow Rate: ~~—~~ gpm.
Did well de-water? NO

Weather Conditions: Sunny
Water Color: LGT. BROWN Odor: NO
Sediment Description:
If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1457	3.0	7.16	1070	~~78~~ 67.6			
1500	4.0	7.12	1038	66.6			
1503	5.5	7.08	1047	106.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe / 8260

COMMENTS: Took TOTAL well DEPTH

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-4930 Job#: 386509
Address: 3369 Castro Valley Blvd. Date: 5-16-02
City: Castro Valley, CA Sampler: TC

Well ID: MW-3 Well Condition: ~~fine~~ bent well casing 4 inches down
Well Diameter: 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed: Ø (product/water) (Gallons)
Total Depth: 17.51 ft.
Depth to Water: 5.10 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

12.41 X VF .17 = ~~2.1~~ X 3 (case volume) = Estimated Purge Volume: ~~6.3~~ 6.5 (gal.)

Purge Equipment: ~~Disposable Bailer~~ Bailer, Stack, Suction, Grundfos, Other:
Sampling Equipment: Disposable Bailer, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1520 Weather Conditions: clear / sunny
Sampling Time: 1531 Water Color: cloudy Odor: none
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? no If yes; Time: — Volume: — (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1522	2.0	7.43	610	68.0°			
1524	~~4.0~~	7.08	594	68.5°			
1526	~~6.5~~	7.03	617	67.7°			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe / 8260

COMMENTS: new well depth taken. Bent casing 4" down.

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-4930 Job#: 386509
Address: 3369 Castro Valley Blvd. Date: 5/16/02
City: Castro Valley, CA Sampler: TC

Well ID MW-4 Well Condition: ok
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 17.81 ft.
Depth to Water 6.21 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

11.60 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1407 Weather Conditions: Sunny
Sampling Time: 1423 Water Color: Lgt. Brown Odor: NO
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1411	2.0	7.74	462	72.2			
1414	4.0	7.39	481	69.0			
1418	6.0	7.26	464	68.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe / 8260

COMMENTS: Took Total well Depth.

9/97-fieldat.frm

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 322734-8 SCR#:

051702-002

Facility #: 9-4930 Job #386509 Global ID#T0600100137
Site Address: 3369 CASTRO VALLEY BLVD., CASTRO VALLEY, CA
Chevron PM: Karen Streich Lead Consultant: DELTA/G-R
Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568
Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Tony Camazda
Service Order #: ☐ Non SAR:

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable ☐ NPDES ☐)	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested: BTEX + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup ☐	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	1,2 DCE, TUE, DCFM DCE 8260	Comments / Remarks
								Preservation Codes	H	H					H	
QA	5/16/02	—				X		2	X	X						
MW-1	↓	1450	X			X		6	X	X					X	
MW-2		1510	X			X		6	X	X					X	
MW-3		1531	X			X		6	X	X					X	
MW-4	↓	1423	X			X		6	X	X					X	

Turnaround Time Requested (TAT) (please circle)
~~STD. TAT~~ 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	5/16/02	1620	Received by:	5/17/02	1127
Relinquished by:	5/17/02	1400	Received by:	5/17/02	1406
Relinquished by:	5-17-02	1530	Received by: Airborne	5-17-02	
Relinquished by Commercial Carrier: UPS FedEx Other Airborne			Received by:	5/18/02	0820
Temperature Upon Receipt 2.5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

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.

Lancaster Laboratories
Where quality is a science.

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

SAMPLE GROUP

The sample group for this submittal is 808142. Samples arrived at the laboratory on Saturday, May 18, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-020516	NA	Water	3822734
MW-1-W-020516	Grab	Water	3822735
MW-2-W-020516	Grab	Water	3822736
MW-3-W-020516	Grab	Water	3822737
MW-4-W-020516	Grab	Water	3822738

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

Lancaster Laboratories
Where quality is a science

Questions? Contact your Client Services Representative
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,

Karen L. Baney

KAREN L. BANEY
SENIOR CHEMIST

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3822734

Collected:05/16/2002 00:00

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-020516 NA Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/22/2002 20:52	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/22/2002 20:52	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/22/2002 20:52	John B Kiser	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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PO Box 12425
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Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3822735

Collected:05/16/2002 14:50 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-1

M1516

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	120.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	1.00	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2.9	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	3.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	9.	1.	ug/l	1
05403	Trichloroethene	79-01-6	41.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	300.	1.	ug/l	1

State of California Lab Certification No. 2116

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N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3822735

Collected:05/16/2002 14:50 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-1

M1516

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/23/2002 07:30	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/23/2002 07:30	John B Kiser	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 01:16	Rachel K Wagoner	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/23/2002 07:30	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/23/2002 01:16	Rachel K Wagoner	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3822736

Collected:05/16/2002 15:10 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-2

M2516

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	230.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	0.87	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	5.3	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	10.	1.	ug/l	1
05403	Trichloroethene	79-01-6	35.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	640.	4.0	ug/l	5

State of California Lab Certification No. 2116

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Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3822736

Collected:05/16/2002 15:10 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-2

M2516

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/23/2002 08:06	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/23/2002 08:06	John B Kiser	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 02:34	Rachel K Wagoner	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 09:24	Susan McMahon-Luu	5
01146	GC VOA Water Prep	SW-846 5030B	1	05/23/2002 08:06	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/23/2002 02:34	Rachel K Wagoner	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	05/23/2002 09:24	Susan McMahon-Luu	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3822737

Collected:05/16/2002 15:31 by TC Account Number: 10905

Submitted: 05/18/2002 09:00 ChevronTexaco
Reported: 06/03/2002 at 14:41 6001 Bollinger Canyon Rd L4310
Discard: 07/04/2002 San Ramon CA 94583
MW-3-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-3

M3516

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	340.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	3.4	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	8.	1.	ug/l	1
05403	Trichloroethene	79-01-6	37.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	990.	8.0	ug/l	10

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Lancaster Laboratories Sample No. WW 3822737

Collected:05/16/2002 15:31 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-3

M3516

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/23/2002 08:42	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/23/2002 08:42	John B Kiser	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 02:59	Rachel K Wagoner	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 03:51	Rachel K Wagoner	10
01146	GC VOA Water Prep	SW-846 5030B	1	05/23/2002 08:42	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/23/2002 02:59	Rachel K Wagoner	n.a.

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Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3822738

Collected:05/16/2002 14:23 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-4-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-4

M4516

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	160.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	4.9	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	28.	1.	ug/l	1
05403	Trichloroethene	79-01-6	46.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	420.	4.0	ug/l	5

State of California Lab Certification No. 2116

#=Laboratory MethodDetection Limit exceeded target detection limit
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Lancaster Laboratories Sample No. WW 3822738

Collected:05/16/2002 14:23 by TC

Account Number: 10905

Submitted: 05/18/2002 09:00
Reported: 06/03/2002 at 14:41
Discard: 07/04/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-4-W-020516 Grab Water
Facility# 94930 Job# 386509 GRD
3369 CASTRO VALLEY T0600100137 MW-4

M4516

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/23/2002 14:01	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/23/2002 14:01	John B Kiser	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 03:25	Rachel K Wagoner	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/23/2002 09:50	Susan McMahon-Luu	5
01146	GC VOA Water Prep	SW-846 5030B	1	05/23/2002 14:01	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/23/2002 03:25	Rachel K Wagoner	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	05/23/2002 09:50	Susan McMahon-Luu	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 808142
Reported: 06/03/02 at 02:41 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02141A02A	Sample number(s): 3822734-3822737							
Benzene	N.D.	0.5	ug/l	106	100	80-118	6	30
Toluene	N.D.	0.5	ug/l	111	106	82-119	4	30
Ethylbenzene	N.D.	0.5	ug/l	110	107	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	112	111	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	104	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	97	97	76-126	0	30
Batch number: 02141A02B	Sample number(s): 3822738							
Benzene	N.D.	0.5	ug/l	106	100	80-118	6	30
Toluene	N.D.	0.5	ug/l	111	106	82-119	4	30
Ethylbenzene	N.D.	0.5	ug/l	110	107	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	112	111	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	110	104	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	97	97	76-126	0	30
Batch number: N021422AA	Sample number(s): 3822735-3822738							
Dichlorodifluoromethane	N.D.	2.	ug/l	99		33-119		
trans-1,2-Dichloroethene	N.D.	1.	ug/l	107		83-129		
cis-1,2-Dichloroethene	N.D.	1.	ug/l	103		85-126		
Trichloroethene	N.D.	1.	ug/l	103		87-117		
Tetrachloroethene	N.D.	1.	ug/l	100		79-136		
Batch number: N021422AB	Sample number(s): 3822736,3822738							
Tetrachloroethene	N.D.	1.	ug/l	100		79-136		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02141A02A	Sample number(s): 3822734-3822737								
Benzene	119		77-131						
Toluene	121		80-128						
Ethylbenzene	120		76-132						
Total Xylenes	123		76-132						
Methyl tert-Butyl Ether	122		61-144						
TPH-GRO - Waters	107		74-132						
Batch number: 02141A02B	Sample number(s): 3822738								
Benzene	119		77-131						
Toluene	121		80-128						
Ethylbenzene	120		76-132						
Total Xylenes	123		76-132						
Methyl tert-Butyl Ether	122		61-144						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 808142
Reported: 06/03/02 at 02:41 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
TPH-GRO - Waters	107		74-132						
Batch number: N021422AA	Sample number(s): 3822735-3822738								
Dichlorodifluoromethane	123	122	32-130	0	30				
trans-1,2-Dichloroethene	113	112	78-140	1	30				
cis-1,2-Dichloroethene	111	119	79-133	5	30				
Trichloroethene	120	111	82-133	3	30				
Tetrachloroethene	(2)	(2)	81-148	8	30				
Batch number: N021422AB	Sample number(s): 3822736,3822738								
Tetrachloroethene	(2)	(2)	81-148	8	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02141A02A

	Trifluorotoluene-F	Trifluorotoluene-P
3822734	90	103
3822735	125	329*
3822736	120	309*
3822737	119	314*
Blank	89	102
LCS	95	103
LCSD	98	100
MS	97	105
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02141A02B

	Trifluorotoluene-F	Trifluorotoluene-P
3822738	127	358*
Blank	86	101
LCS	95	103
LCSD	98	100
MS	97	105
Limits:	67-135	71-130

Analysis Name: EPA SW846/8260 (water)
Batch number: N021422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

MEMBER ACIL
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Lancaster Laboratories
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Quality Control Summary

Client Name: ChevronTexaco
Group Number: 808142
Reported: 06/03/02 at 02:41 PM

Surrogate Quality Control

3822735	107	101	104	98
3822736	107	98	104	99
3822737	107	100	102	98
3822738	108	99	104	99
Blank	108	98	106	104
LCS	103	100	109	109
MS	103	99	108	109
MSD	104	100	108	108
Limits:	86-118	80-120	88-110	86-115

Analysis Name: 8260 Master Scan (water)
Batch number: N021422AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	105	97	105	104
LCS	103	100	109	109
MS	103	99	108	109
MSD	104	100	108	108
Limits:	86-118	80-120	88-110	86-115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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