Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

May 23, 2001

541

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental health
1153 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

All samples for TPHs/BTEX were run beyond EPA recommended hold time & are ∴ not acceptable. purging may be helping

Subject: *First Quarter Event of March 3, 2001*
Groundwater Monitoring and Sampling Report
Chevron Service Station No. 9-1851
451 Hegenberger Road
Oakland, California
Delta Project No. DG9-1851

Dear Mr. Chan:

Attached for your review and comment is a letter report entitled *First Quarter Event of March 3, 2001, Groundwater Monitoring and Sampling Report* for the above referenced site. This report was prepared by Delta Environmental Consultants, Inc. / Gettler-Ryan, Inc and details the results of the March 2001 groundwater monitoring and sampling event.

Groundwater monitoring wells MW-1 through MW-7 are sampled quarterly.

On May 3, 2001 groundwater monitoring wells MW-4 and MW-7 were over-purged in accordance with the Interim Corrective Action Plan.

Approximately 216 gallons of groundwater including an estimated 0.012 gallon of total purgeable hydrocarbons were removed during the over-purge event.

If you have questions or comments regarding this report, please contact me at (916) 638-2732.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Jim Brownell
Project Manager

JRB (1st Qrt 2001 QM-9-1851.doc)
Enclosures

cc: Tom Bauhs – Chevron Product Company

GETTLER-RYAN INC.

TRANSMITTAL

April 18, 2001
G-R #385145

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

CC: Mr. Thomas Bauhs
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: Chevron Service Station
#9-1851
451 Hegenberger Road
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	April 12, 2001	Groundwater Monitoring and Sampling Report First Quarter - Event of March 3, 2001

COMMENTS:

Enclosed are copies of the above referenced report for your review and distribution to the following:

Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***May 2, 2001***, at which time the final report will be distributed to the following:

Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Ben Shimek, 451 Hegenberger Road, Oakland, CA 94621

Enclosures

trans/9-1851-TB

GETTLER-RYAN INC.

April 12, 2001
G-R Job #385145

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: First Quarter Event of March 3, 2001
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

Dear Mr. Bauhs:

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.

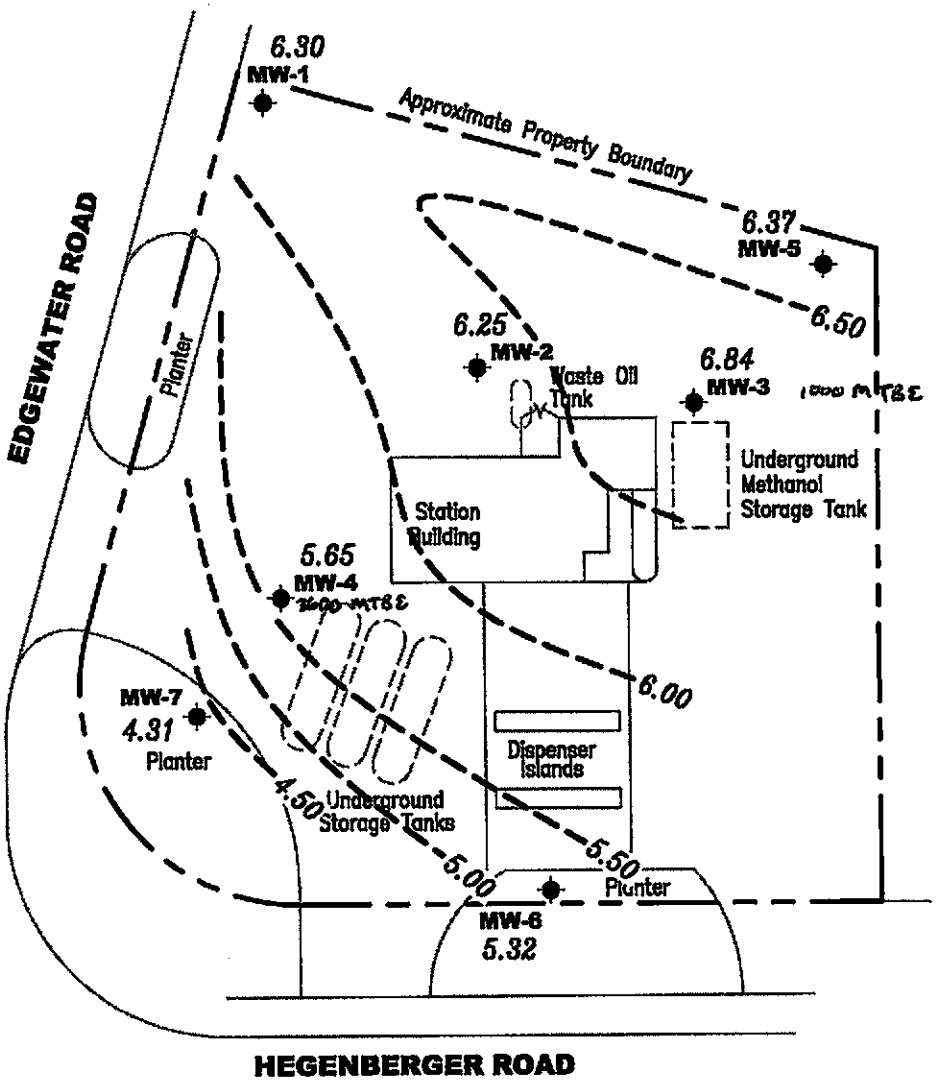
Sincerely,

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 (MSL)
- 99.99 — Groundwater elevation contour, dashed where inferred.

Approximate groundwater flow direction at a gradient of 0.01 to 0.05 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
Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
385145		March 3, 2001	

FILE NAME: P:\ENVIRO\CHEVRON\9-1851\Q01-9-1851.DWG | Layout Tab: Pot1

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	(EPA 8240) (ppb)	(EPA 8240) (ppb)	DCE (ppb)	Disulfide (ppb)	Chloride (ppb)
MW-1																
10/17/95	2.61	-1.51	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
03/29/96	2.61	-0.72	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	9.5	--	--	--	--	--	--
06/26/96	2.61	-1.23	3.84	--	<50	<0.5	<0.5	<0.5	<0.5	46	--	--	--	--	--	--
09/25/96	2.61	-1.41	4.02	--	<250	<2.5	<2.5	<2.5	<2.5	940	--	--	--	--	--	--
12/17/96	2.61	-0.96	3.57	--	<50	0.9	<0.5	<0.5	<0.5	260	--	--	--	--	--	--
03/20/97	2.61	-1.54	4.15	--	<50	<2.0	<2.0	<2.0	<2.0	76	--	--	--	--	--	--
06/20/97	2.61	-1.72	4.33	--	<50	<0.5	<0.5	<0.5	<0.5	64	--	--	--	--	--	--
09/09/97	2.61	-1.74	4.35	--	<50	<0.5	<0.5	<0.5	<0.5	110	--	--	--	--	--	--
12/12/97	2.61	-0.39	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	27	--	--	--	--	--	--
02/19/98	2.61	0.78	1.83	--	<50	<0.5	<0.5	<0.5	<0.5	14	--	--	--	--	--	--
06/23/98	2.61	-0.73	3.34	--	210	<0.5	<0.5	<0.5	<0.5	3400	--	--	--	--	--	--
08/31/98	2.61	-0.88	3.49	--	1400	630	<5.0	<5.0	<5.0	16,000	--	--	--	--	--	--
12/29/98	2.61	-1.22	3.83	--	<500	<5.0	<5.0	<5.0	<5.0	1090	--	--	--	--	--	--
03/11/99	2.61	-0.43	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	33.9	--	--	--	--	--	--
06/24/99	2.61	-0.77	3.38	--	<500	65.7	<5.0	<5.0	<5.0	1160	--	--	--	--	--	--
09/29/99	2.61	-1.01	3.62	--	81.7	<0.5	<0.5	<0.5	<0.5	1130	--	--	--	--	--	--
12/08/99	2.61	-1.46	4.07	--	<50	<0.5	<0.5	<0.5	<0.5	233	--	--	--	--	--	--
03/01/00	2.61	0.66	1.95	--	100	<0.5	<0.5	<0.5	<0.5	37.9	--	--	--	--	--	--
06/19/00	2.61	-0.80	3.41	--	<50	3.8	<0.50	<0.50	<0.50	88/91[2]	--	--	--	--	--	--
09/30/00	2.61	-1.23	3.84	--	<130	<1.3	<1.3	<1.3	<1.3	460/530[2]	--	--	--	--	--	--
10/05/00	2.61	-1.32	3.93	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/00	8.61	4.41	4.20	--	<50.0	<0.500	<0.500	<0.500	<0.500	58.7	--	--	--	--	--	--
03/03/01[11]	**8.61**	**6.30**	**2.31**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**8.9**	**--**	**--**	**--**	**--**	**--**	**--**
MW-2																
10/17/95[3]	3.51	-1.82	5.33	1600[4]	170	3.5	<0.5	1.0	6.1	--	<5000	--	--	11	--	--
03/29/96	3.51	-0.44	3.95	3000[4]	89	4.7	<0.5	0.64	0.74	21	--	11	2.5	17	--	5.4
06/26/96	3.51	-1.09	4.60	2000[4]	80	8.7	<0.5	1.2	1.3	31	--	11	<2.0	15	--	12
09/25/96	3.51	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	2400[4]	110	<0.5	<0.5	0.75	2.1	27	--	10	<2.0	2.3	--	5.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	(EPA 8240) (ppb)	(EPA 8240) (ppb)	DCE (ppb)	Disulfide (ppb)	Chloride (ppb)
MW-2 (cont)																
03/20/97	3.51	-1.32	4.83	3400[4]	140	8.2	<2.0	<2.0	<2.0	58	--	--	--	<2.0	--	3.2
06/20/97	3.51	-1.53	5.04	1600[4]	62	7.7	<0.5	<0.5	<0.5	38	--	7.2	<2.0	4.6	2.2	5.2
09/09/97	3.51	-1.47	4.98	82[4]	190	9.4	<0.5	<0.5	0.86	48	--	11	<2.0	<2.0	<2.0	<2.0
12/12/97	3.51	-0.40	3.91	8500[4]	180	1.8	<0.5	<0.5	3.2	34	--	<2.0	<2.0	<2.0	<2.0	<2.0
02/19/98	3.51	0.55	2.96	3800[4]	<100	1.8	<1.0	<1.0	<1.0	230	--	<3.3	<3.3	<3.3	<3.3	<3.3
06/23/98	3.51	-0.54	4.05	--	60	<0.5	<0.5	<0.5	<0.5	55	--	--	--	--	--	--
08/31/98	3.51	-0.80	4.31	--	61	2.2	<0.5	<0.5	1.1	53	--	--	--	--	--	--
12/29/98	3.51	-1.12	4.63	--	54	1.3	<0.5	<0.5	0.752	38.1	--	--	--	--	--	--
03/11/99	3.51	-0.01	3.52	--	648	2.9	<2.0	<2.0	<2.0	73.2	--	--	--	--	--	--
06/24/99	3.51	-0.49	4.00	--	264	.58	<0.5	1.01	<0.5	44.1	--	--	--	--	--	--
09/29/99	3.51	-0.93	4.44	--	54.3	.66	<0.5	<0.5	<0.5	35.7	--	--	--	--	--	--
12/08/99	3.51	-1.38	4.89	--	<50	1.27	<0.5	<0.5	<0.5	56.9	--	--	--	--	--	--
03/01/00	3.51	0.48	3.03	--	68	1.57	<0.5	<0.5	<0.5	110	--	--	--	--	--	--
06/19/00	3.51	-0.66	4.17	--	58[1]	1.5	<0.50	<0.50	<0.50	90/59[2]	--	--	--	--	--	--
09/30/00	3.51	-1.15	4.66	--	<50	<0.50	0.82	<0.50	1.1	48/50[2]	--	--	--	--	--	--
10/05/00[8,9]	3.51	-1.20	4.71	4,000[7]	--	--	--	--	--	--	--	--	--	--	--	--
12/08/00	9.52	4.55	4.97	--	<50.0	<0.500	<0.500	<0.500	<0.500	61.8	--	--	--	--	--	--
03/03/01[11]	**9.52**	**6.25**	**3.27**	**--**	**310[12]**	**0.60**	**<0.50**	**<0.50**	**1.3**	**97**	**--**	**--**	**--**	**--**	**--**	**--**
MW-3																
10/17/95[5]	3.08	-1.34	4.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
03/29/96	3.08	0.08	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	26	--	--	--	--	--	--
06/26/96	3.08	-0.52	3.60	--	<50	<0.5	<0.5	<0.5	<0.5	47	--	--	--	--	--	--
09/25/96	3.08	-1.06	4.14	--	<125	<1.2	<1.2	<1.2	<1.2	570	--	--	--	--	--	--
12/17/96	3.08	-0.12	3.20	--	<500	<5.0	<5.0	<5.0	<5.0	680	--	--	--	--	--	--
03/20/97	3.08	-0.22	3.30	--	<50	<5.7	<5.7	<5.7	<5.7	430	--	--	--	--	--	--
06/20/97	3.08	-0.78	3.86	--	<500	<5.0	<5.0	<5.0	<5.0	1400	--	--	--	--	--	--
09/09/97	3.08	-1.11	4.19	--	76[4]	22	<0.5	<0.5	<0.5	920	--	--	--	--	--	--
12/12/97	3.08	0.12	2.96	--	52	15	<0.5	<0.5	<0.5	710	--	--	--	--	--	--
02/19/98	3.08	0.86	2.22	--	<50	6.6	<0.5	<0.5	<0.5	380	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	(EPA 8240) (ppb)	(EPA 8240) (ppb)	DCE (ppb)	Disulfide (ppb)	Chloride (ppb)
MW-3 (cont)																
06/23/98	3.08	-0.17	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	390	--	--	--	--	--	--
08/31/98	3.08	-0.78	3.86	--	<50	19	<0.5	<0.5	<0.5	830	--	--	--	--	--	--
12/29/98	3.08	-0.45	3.53	--	<250	<2.5	<2.5	<2.5	<2.5	416	--	--	--	--	--	--
03/11/99	3.08	-0.27	3.35	--	<50	<0.5	<0.5	<0.5	<0.5	262	--	--	--	--	--	--
06/24/99	3.08	-0.53	3.61	--	<50	12.8	<0.5	<0.5	<0.5	620	--	--	--	--	--	--
09/29/99	3.08	-0.87	3.95	--	<50	<0.5	<0.5	<0.5	<0.5	2840	--	--	--	--	--	--
12/08/99	3.08	-0.46	3.54	--	73.4	<0.5	<0.5	<0.5	<0.5	1620	--	--	--	--	--	--
03/01/00	3.08	0.65	2.43	--	<200	<2.0	<2.0	<2.0	<2.0	1880	--	--	--	--	--	--
06/19/00	3.08	-0.30	3.38	--	<250	20	<2.5	<2.5	<2.5	1,200/920[2]	--	--	--	--	--	--
09/30/00	3.08	-0.92	4.00	--	<250	<2.5	<2.5	<2.5	<2.5	730/2,100[2]	--	--	--	--	--	--
10/05/00	3.08	-0.94	4.02	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/00	9.08	5.38	3.70	--	<50.0	<0.500	<0.500	<0.500	<0.500	1,620	--	--	--	--	--	--
03/03/01[11]	**9.08**	**6.84**	**2.24**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1,000**	**--**	**--**	**--**	**--**	**--**	**--**
MW-4																
10/17/95	3.48	-1.60	5.08	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--
03/29/96	3.48	-1.13	4.61	--	<1000	<10	<10	<10	<10	6700	--	--	--	--	--	--
06/26/96	3.48	-0.82	4.30	--	<2000	<20	<20	<20	<20	7200	--	--	--	--	--	--
09/25/96	3.48	-1.85	5.33	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
12/17/96	3.48	0.67	2.81	--	<2000	120	<20	<20	<20	11,000	--	--	--	--	--	--
03/20/97	3.48	-1.02	4.50	--	250[4]	<2.0	<2.0	<2.0	<2.0	10,000/8,600[6]	--	--	--	--	--	--
06/20/97	3.48	-2.20	5.68	--	<2500	<25	<25	<25	<25	9300	--	--	--	--	--	--
09/09/97	3.48	-2.02	5.50	--	460[4]	<0.5	<0.5	<0.5	<0.5	6600	--	--	--	--	--	--
12/12/97	3.48	-1.55	5.03	--	430[4]	120	<2.5	<2.5	<2.5	7800	--	--	--	--	--	--
02/19/98	3.48	0.13	3.35	--	510[4]	130	<0.5	<0.5	<0.5	6600	--	--	--	--	--	--
06/23/98	3.48	-1.50	4.98	--	550[4]	<0.5	<0.5	<0.5	<0.5	6800	--	--	--	--	--	--
08/31/98	3.48	-1.94	5.42	--	<500	450	<5.0	<5.0	<5.0	14,000	--	--	--	--	--	--
12/29/98	3.48	-1.58	5.06	--	<5000	<50	<50	<50	<50	16,100	--	--	--	--	--	--
03/11/99	3.48	-0.30	3.78	--	979	<5.0	<5.0	<5.0	<5.0	15,100	--	--	--	--	--	--
06/24/99	3.48	-0.83	4.31	--	<2500	715	<25	<25	<25	12,400	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	(EPA 8240) (ppb)	(EPA 8240) (ppb)	DCE (ppb)	Disulfide (ppb)	Chloride (ppb)
MW-4 (cont)																
09/29/99	3.48	-2.10	5.58	--	1380	<5.0	<5.0	<5.0	<5.0	11,700	--	--	--	--	--	--
12/08/99	3.48	-1.85	5.33	--	318	<0.5	<0.5	<0.5	<0.5	11,100	--	--	--	--	--	--
03/01/00	3.48	-1.72	5.20	--	<50	<0.5	<0.5	<0.5	<0.5	9,940	--	--	--	--	--	--
06/19/00	3.48	-1.88	5.36	--	<1,000	220	<10	<10	<10	7,300/9,500[2]	--	--	--	--	--	--
09/30/00	3.48	-0.29	3.77	--	740[1]	<2.5	<2.5	<2.5	<2.5	6,000/7,800[2]	--	--	--	--	--	--
10/05/00	3.48	-0.38	3.86	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/00	9.48	5.03	4.45	--	<50.0	<0.500	<0.500	<0.500	<0.500	6,230	--	--	--	--	--	--
03/03/01[11]	**9.48**	**5.65**	**3.83**	**--**	**<250**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**3,600**	**--**	**--**	**--**	**--**	**--**	**--**
MW-5																
10/23/00[10]	8.77	4.18	4.59	--	<50	<0.500	<0.500	<0.500	<0.500	4.34	--	--	--	--	--	--
12/08/00	8.77	5.34	3.43	--	<50.0	<0.500	<0.500	<0.500	<0.500	11.0	--	--	--	--	--	--
03/03/01[11]	**8.77**	**6.37**	**2.40**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**24**	**--**	**--**	**--**	**--**	**--**	**--**
MW-6																
10/23/00[10]	11.45	4.30	7.15	--	<50	<0.500	<0.500	<0.500	<0.500	5.96	--	--	--	--	--	--
12/08/00	11.45	4.61	6.84	--	<50.0	<0.500	<0.500	<0.500	<0.500	8.80	--	--	--	--	--	--
03/03/01[11]	**11.45**	**5.32**	**6.13**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**9.0**	**--**	**--**	**--**	**--**	**--**	**--**
MW-7																
10/23/00[10]	10.58	4.33	6.25	--	<50	<0.500	<0.500	<0.500	<0.500	1,210	--	--	--	--	--	--
12/08/00	10.58	3.35	7.23	--	<50.0	<0.500	<0.500	<0.500	<0.500	338	--	--	--	--	--	--
03/03/01[11]	**10.58**	**4.31**	**6.27**	**--**	**72[12]**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**460**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851

451 Hegenberger Road

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	(EPA 8240) (ppb)	(EPA 8240) (ppb)	DCE (ppb)	Disulfide (ppb)	Chloride (ppb)
TRIP BLANK																
10/17/95																
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
06/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
09/25/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
06/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--
09/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
12/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
06/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
06/24/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	--	--
06/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
10/05/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	--	--
03/03/01[11]	--	--	--	--	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<2.5**	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 19, 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-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
TOG = Total Oil and Grease
c-1,2-DCE = cis-1,2-Dichloroethene

(ppb) = Parts per billion
-- = Not Measured/Not Analyzed

* TOC elevations were surveyed on November 15, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was the letter "O" in Oakland on an inlet in the westerly curb of Oakport Road, 150' southerly of the end of curve. (Benchmark Elevation = 7.82 feet, msl).

1 Laboratory report indicates gasoline C6-C12.

2 MTBE by EPA Method 8260.

3 Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.

4 Chromatogram pattern indicates an unidentified hydrocarbon.

5 Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

6 Confirmation run.

7 Laboratory report indicates unidentified hydrocarbons >C16.

8 Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less then the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024ppm.

9 Laboratory report indicates that Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 were all less then the reporting limit except for Bis(2-ethylhexyl)phthalate was detected at 14 ppb, which may be a possible contamination.

10 Data was provided by Delta Environmental Consultants, Inc.

11 ~~Laboratory report~~ indicates sample was analyzed outside the EPA recommened holding time. ✓

12 Laboratory report indicates unidentified hydrocarbons C6-C12.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-1						
06/23/98	<50,000	<10,000	4500	<200	<200	<200
08/31/98	--	--	17,000	--	--	--
03/11/99	--	--	54.1	--	--	--
06/24/99	<10,000	<2000	1800	<20	<20	258
06/19/00	<500	<100	91	<2.0	<2.0	11
09/30/00	--	--	530	--	--	--
MW-2						
06/23/98	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	101	--	--	--
06/24/99	<1000	<200	52.5	<2.0	<2.0	<2.0
06/19/00	<500	<100	59	<2.0	<2.0	4.0
09/30/00	--	--	50	--	--	--
MW-3						
06/23/98	<5000	<1000	420	<20	<20	26
03/11/99	--	--	580	--	--	--
06/24/99	<6670	<1330	900	<13.3	<13.3	<13.3
06/19/00	570	<100	920	<2.0	<2.0	65
09/30/00	--	--	2,100	--	--	--
MW-4						
06/23/98	<50,000	<10,000	11,000	<200	<200	860
03/11/99	--	--	17,600	--	--	--
06/24/99	<125,000	<25,000	17,000	<250	<250	2600
06/19/00	<25,000	<5,000	9,500	<100	<100	1,100
09/30/00	--	--	7,800	--	--	--

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

WELL ID/ DATE	ETHANOL *(ppb)*	TBA *(ppb)*	MTBE *(ppb)*	DIPE *(ppb)*	ETBE *(ppb)*	TAME *(ppb)*
MW-5 10/23/00	<1,000	<100	4.34	<2.00	<2.00	<2.00
MW-6 10/23/00	<1,000	<100	5.96	<2.00	<2.00	<2.00
MW-7 10/23/00	<6,670	<667	1,210	13.3	13.3	199
TRIP BLANK 03/11/99	--	--	<2.0	--	--	--

EXPLANATIONS:

Groundwater laboratory analytical results prior to June 19, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
(ppb) = Parts per billion
-- = Not Analyzed

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/ Facility # CHEVRON 9-1851 | Job#: 385145

Address: 451 HEGENBERGER RD. | Date: 3-3-01

City: OAKLAND, CA | Sampler: FRANK T.

Well ID: MW-1 | Well Condition: O'K'

Well Diameter: 2" in. | Hydrocarbon Thickness: 0 in. | Amount Bailed (product/water): 0 (gal.)

Total Depth: 14.46 ft.

Depth to Water: 2.31 ft.

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

12.15 x VF .17 = 2.06 x 3 (case volume) = Estimated Purge Volume: 6.19 (gal.)

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

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

Starting Time: 1:15 | Weather Conditions: CLOUDY

Sampling Time: 1:36 | Water Color: CLEAR / YELLOW | 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 x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:19	2.0	7.24	1085	60.5			
1:24	4.0	7.16	970	62.6			
1:28	6.0	6.97	910	62.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-1851 Job#: 385145

Address: 451 HEGENBERGER RD. Date: 3-3-01

City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-2 Well Condition: O'K'

Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 14.90 ft.

Depth to Water 3.27 ft.

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

11.63 x VF .17 = 1.97 X 3 (case volume) = Estimated Purge Volume: 5.93 (gal.)

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

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

Starting Time: 1:46 Weather Conditions: CLOUDY

Sampling Time: 2:07 Water Color: CLEAR / LT. YELLOW 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 X 100	Temperature °C °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1:50	2.0	6.92	1581	61.7			
1:54	4.0	6.82	1626	72.8			
1:59	6.0	6.74	1694	72.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-1851 | Job#: 385145

Address: 451 HEGENBERGER RD. | Date: 3-3-01

City: OAKLAND, CA | Sampler: FRANK T.

Well ID: MW-3 | Well Condition: O'K'

Well Diameter: 2" in. | Hydrocarbon Thickness: 0 in. | Amount Bailed (product/water): 0 (gal.)

Total Depth: 14.60 ft.

Depth to Water: 2.24 ft.

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

12.36 x VF .17 = 2.10 x 3 (case volume) = Estimated Purge Volume: 6.30 (gal.)

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

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

Starting Time: 3:12 | Weather Conditions: CLOUDY

Sampling Time: 3:33 | Water Color: CLEAR / LT YELLOW | 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 x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:17	2.0	7.01	1496	60.4			
3:21	4.0	6.94	1389	62.2			
3:25	6.0	6.87	1274	62.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # CHEVRON 9-1851 Job#: 385145

Address: 451 HEGENBERGER RD. Date: 3-3-01

City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-4 Well Condition: O'K

Well Diameter 2" in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 16.00 ft.

Depth to Water 3.83 ft.

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

12.17 x VF .17 = 2.06 x 3 (case volume) = Estimated Purge Volume: 6.20 (gal.)

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

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

Starting Time: 2:39 Weather Conditions: CLOUDY

Sampling Time: 3:00 Water Color: CLEAR / YELLOW Odor: SLIGHT

Purging Flow Rate: — gpm. Sediment Description:

Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:44	2.0	6.92	1290	63.1			
2:48	4.0	6.84	1342	65.0			
2:53	6.0	6.77	1410	64.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility #: CHEVRON 9-1851
Job#: 385145
Address: 451 HEGENBERGER RD.
Date: 3-3-01
City: OAKLAND, CA
Sampler: FRANK T.

Well ID: MW-5
Well Condition: O'K'
Well Diameter: 2" in.
Hydrocarbon Thickness: 0 in.
Amount Bailed (product/water): 0 (gal.)
Total Depth: 10.11 ft.
Depth to Water: 2.40 ft.

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

7.71 x VF .17 = 1.31 X 3 (case volume) = Estimated Purge Volume: 3.93 (gal.)

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

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

Starting Time: 12:47
Sampling Time: 1:03
Purging Flow Rate: — gpm.
Did well de-water? NO

Weather Conditions: CLOUDY
Water Color: CLEAR/ LT yellow Odor: NO
Sediment Description:
If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:50	1.5	7.54	296	62.1			
12:53	3.0	7.46	308	63.2			
12:56	4.0	7.39	315	63.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-1851 Job#: 385145
Address: 451 HEGENBERGER RD. Date: 3-3-01
City: OAKLAND, CA Sampler: FRANK T.

Well ID MW-6 Well Condition: O'K'
Well Diameter 2" in. Hydrocarbon Thickness: -0- in. Amount Bailed (product/water): -0- (gal.)
Total Depth 10.08 ft.
Depth to Water 6.13 ft.

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

3.95 X VF .17 = .67 X 3 (case volume) = Estimated Purge Volume: 2.01 (gal.)

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

Starting Time: 12:17 Weather Conditions: CLOUDY
Sampling Time: 12:37 Water Color: CLOUDY / LT GRAY Odor: NO
Purging Flow Rate: — gpm. Sediment Description: SLIGHTLY SILTY
Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X1000	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
12:20	.50	7.68	319	62.0			
12:23	1.0	7.56	314	60.1			
12:27	2.0	7.46	328	60.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS: SLOW RECOVERY

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ Facility # CHEVRON 9-1851 | Job#: 385145

Address: 451 HEGENBERGER RD. | Date: 3-3-01

City: OAKLAND, CA | Sampler: FRANK T.

Well ID: MW-7 | Well Condition: O'K'

Well Diameter: 2" in. | Hydrocarbon Thickness: 0 in. | Amount Bailed (product/water): 0 (gal.)

Total Depth: 12.41 ft.

Depth to Water: 6.27 ft.

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

6.14 x VF .17 = 1.04 x 3 (case volume) = Estimated Purge Volume: 3.13 (gal.)

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

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

Starting Time: 2:16 | Weather Conditions: CLOUDY

Sampling Time: 2:32 | Water Color: CLOUDY / GREY | Odor: SLIGHT

Purging Flow Rate: — gpm. | Sediment Description: SILTY

Did well de-water? NO | If yes; Time: — | Volume: — (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:19	1.0	6.96	758	60.7			
2:22	2.0	6.87	711	61.9			
2:25	3.0	6.80	685	62.1			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x VOA VIAL	Y	HCL	SEQUOIA	TPHG/BTEX/MTBE

COMMENTS:

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody-Record

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number #9-1851
Facility Address 451 HEGENBERGER RD., OAKLAND, CA.
Consultant Project Number 385145
Consultant Name GETTLER-RYAN INC.
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
Project Contact (Name) DEANNA L. HARDING
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) MR. TOM BAUHS
(Phone) (925) 842-8898
Laboratory Name SEQUOIA
Laboratory Service Order W103192
Laboratory Service Code
Samples Collected by (Name) FRANK TERRINONI
Signature

State Method: ☑ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT IDAHO

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (CAM or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended						Remarks / Lab Sample No.
TB-LB	1	W	HCL	3-3-01	X		01	A															
MW-1	3			13:36	X		02	A-C															
MW-2	3			14:07	X		03																
MW-3	3			15:33	X		04																
MW-4	3			15:00	X		05																
MW-5	3			13:03	X		06																
MW-6	3			12:37	X		07																
MW-7	3	↓	↓	14:32	X		08	↓															

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
[signature]	G-R INC.	3-8-01				
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N
			Mike Gorin		3/8/01	1715

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia
Analytical

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26 March, 2001

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: W103192

Enclosed are the results of analyses for samples received by the laboratory on 08-Mar-01 17:15. The requested TPH-GAS/MA analyses were subject to holding time exceedance, which prevented their completion inside EPA recommended holding time. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 9-1851 Project Manager: Deanna L. Harding	**Reported:** 26-Mar-01 09:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W103192-01	Water	03-Mar-01 00:00	08-Mar-01 17:15
MW-1	W103192-02	Water	03-Mar-01 13:36	08-Mar-01 17:15
MW-2	W103192-03	Water	03-Mar-01 14:07	08-Mar-01 17:15
MW-3	W103192-04	Water	03-Mar-01 15:33	08-Mar-01 17:15
MW-4	W103192-05	Water	03-Mar-01 15:00	08-Mar-01 17:15
MW-5	W103192-06	Water	03-Mar-01 13:03	08-Mar-01 17:15
MW-6	W103192-07	Water	03-Mar-01 12:37	08-Mar-01 17:15
MW-7	W103192-08	Water	03-Mar-01 14:32	08-Mar-01 17:15

Sequoia Analytical - Walnut Creek

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

Charlie Westwater, Project Manager

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W103192-01) Water Sampled: 03-Mar-01 00:00 Received: 08-Mar-01 17:15									**O-04**
Purgeable Hydrocarbons	ND	50	ug/l	1	1C19001	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*99.3 %*		*70-130*	"	"	"	"	
MW-1 (W103192-02) Water Sampled: 03-Mar-01 13:36 Received: 08-Mar-01 17:15									**O-04**
Purgeable Hydrocarbons	ND	50	ug/l	1	1C19001	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.9**	2.5	"	"	"	"	"	"	CC-3,CF-01
Surrogate: a,a,a-Trifluorotoluene		*99.7 %*		*70-130*	"	"	"	"	
MW-2 (W103192-03) Water Sampled: 03-Mar-01 14:07 Received: 08-Mar-01 17:15									**O-04,P-03**
Purgeable Hydrocarbons	**310**	50	ug/l	1	1C22001	22-Mar-01	22-Mar-01	EPA 8015M/8020	
Benzene	**0.60**	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.3**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**97**	2.5	"	"	"	"	"	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*80.3 %*		*70-130*	"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (W103192-04) Water Sampled: 03-Mar-01 15:33 Received: 08-Mar-01 17:15									**O-04**
Purgeable Hydrocarbons	ND	50	ug/l	1	1C19001	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-130*		"	"	"	"	
MW-3 (W103192-04RE1) Water Sampled: 03-Mar-01 15:33 Received: 08-Mar-01 17:15									**O-04**
Methyl tert-butyl ether	**1000**	250	ug/l	100	1C19001	19-Mar-01	21-Mar-01	EPA 8015M/8020	CC-3
Surrogate: a,a,a-Trifluorotoluene		*98.7 %*	*70-130*		"	"	"	"	
MW-4 (W103192-05) Water Sampled: 03-Mar-01 15:00 Received: 08-Mar-01 17:15									**O-04**
Purgeable Hydrocarbons	ND	250	ug/l	5	1C19001	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*70-130*		"	"	"	"	
MW-4 (W103192-05RE1) Water Sampled: 03-Mar-01 15:00 Received: 08-Mar-01 17:15									**O-04**
Methyl tert-butyl ether	**3600**	500	ug/l	200	1C19001	19-Mar-01	22-Mar-01	EPA 8015M/8020	CC-3,CF-01
Surrogate: a,a,a-Trifluorotoluene		*97.3 %*	*70-130*		"	"	"	"	
MW-5 (W103192-06) Water Sampled: 03-Mar-01 13:03 Received: 08-Mar-01 17:15									**O-04**
Purgeable Hydrocarbons	ND	50	ug/l	1	1C19002	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**24**	2.5	"	"	"	"	20-Mar-01	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*	*70-130*		"	"	*19-Mar-01*	"	

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6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (W103192-07) Water	**Sampled: 03-Mar-01 12:37**	**Received: 08-Mar-01 17:15**							**O-04**
Purgeable Hydrocarbons	ND	50	ug/l	1	1C19002	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**9.0**	2.5	"	"	"	"	20-Mar-01	"	
Surrogate: a,a,a-Trifluorotoluene		*94.7 %*		*70-130*		"	*19-Mar-01*	"	
MW-7 (W103192-08) Water	**Sampled: 03-Mar-01 14:32**	**Received: 08-Mar-01 17:15**							**O-04,P-03**
Purgeable Hydrocarbons	**72**	50	ug/l	1	1C19002	19-Mar-01	19-Mar-01	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	CC-3
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**460**	50	"	20	"	"	22-Mar-01	"	CC-3
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*		*70-130*		"	*19-Mar-01*	"	

16 days > 14 days EPA hold time

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6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C19001 - EPA 5030B P/T										
Blank (1C19001-BLK1)				Prepared & Analyzed: 19-Mar-01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*30.0*		"	*30.0*		*100*	*70-130*			
LCS (1C19001-BS1)				Prepared & Analyzed: 19-Mar-01						
Benzene	17.0	0.50	ug/l	20.0		85.0	70-130			
Toluene	18.0	0.50	"	20.0		90.0	70-130			
Ethylbenzene	19.1	0.50	"	20.0		95.5	70-130			
Xylenes (total)	56.7	0.50	"	60.0		94.5	70-130			
Surrogate: a,a,a-Trifluorotoluene	*28.8*		"	*30.0*		*96.0*	*70-130*			
LCS Dup (1C19001-BSD1)				Prepared & Analyzed: 19-Mar-01						
Benzene	17.3	0.50	ug/l	20.0		86.5	70-130	1.75	20	
Toluene	18.4	0.50	"	20.0		92.0	70-130	2.20	20	
Ethylbenzene	19.4	0.50	"	20.0		97.0	70-130	1.56	20	
Xylenes (total)	58.2	0.50	"	60.0		97.0	70-130	2.61	20	
Surrogate: a,a,a-Trifluorotoluene	*28.9*		"	*30.0*		*96.3*	*70-130*			
Matrix Spike (1C19001-MS1)	**Source: W103133-11**			Prepared: 19-Mar-01 Analyzed: 20-Mar-01						**O-04**
Benzene	16.9	0.50	ug/l	20.0	ND	84.5	70-130			
Toluene	17.9	0.50	"	20.0	ND	89.5	70-130			
Ethylbenzene	18.8	0.50	"	20.0	ND	94.0	70-130			
Xylenes (total)	57.1	0.50	"	60.0	ND	95.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.0*		"	*30.0*		*96.7*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C19001 - EPA 5030B P/T										
Matrix Spike Dup (1C19001-MSD1)	**Source: W103133-11**			Prepared: 19-Mar-01 Analyzed: 20-Mar-01						**O-04**
Benzene	17.0	0.50	ug/l	20.0	ND	85.0	70-130	0.590	20	
Toluene	18.1	0.50	"	20.0	ND	90.5	70-130	1.11	20	
Ethylbenzene	18.9	0.50	"	20.0	ND	94.5	70-130	0.531	20	
Xylenes (total)	57.2	0.50	"	60.0	ND	95.3	70-130	0.175	20	
Surrogate: a,a,a-Trifluorotoluene	*28.6*		"	*30.0*		*95.3*	*70-130*			
Batch 1C19002 - EPA 5030B P/T										
Blank (1C19002-BLK1)				Prepared & Analyzed: 19-Mar-01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*30.3*		"	*30.0*		*101*	*70-130*			
LCS (1C19002-BS1)				Prepared & Analyzed: 19-Mar-01						
Benzene	16.7	0.50	ug/l	20.0		83.5	70-130			
Toluene	20.1	0.50	"	20.0		101	70-130			
Ethylbenzene	21.3	0.50	"	20.0		106	70-130			
Xylenes (total)	63.5	0.50	"	60.0		106	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.1*		"	*30.0*		*100*	*70-130*			
LCS Dup (1C19002-BSD1)				Prepared: 19-Mar-01 Analyzed: 20-Mar-01						
Benzene	15.2	0.50	ug/l	20.0		76.0	70-130	9.40	20	
Toluene	18.7	0.50	"	20.0		93.5	70-130	7.22	20	
Ethylbenzene	19.3	0.50	"	20.0		96.5	70-130	9.85	20	
Xylenes (total)	59.4	0.50	"	60.0		99.0	70-130	6.67	20	
Surrogate: a,a,a-Trifluorotoluene	*28.8*		"	*30.0*		*96.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C19002 - EPA 5030B P/T										
Matrix Spike (1C19002-MS1)		**Source: W103366-03**		Prepared & Analyzed: 19-Mar-01						
Benzene	9.74	0.50	ug/l	20.0	ND	48.7	70-130			Q-01
Toluene	18.4	0.50	"	20.0	ND	92.0	70-130			
Ethylbenzene	19.1	0.50	"	20.0	ND	95.5	70-130			
Xylenes (total)	58.0	0.50	"	60.0	ND	96.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	*32.7*		"	*30.0*		*109*	*70-130*			
Matrix Spike Dup (1C19002-MSD1)		**Source: W103366-03**		Prepared & Analyzed: 19-Mar-01						
Benzene	10.9	0.50	ug/l	20.0	ND	54.5	70-130	11.2	20	Q-01
Toluene	18.2	0.50	"	20.0	ND	91.0	70-130	1.09	20	
Ethylbenzene	18.8	0.50	"	20.0	ND	94.0	70-130	1.58	20	
Xylenes (total)	57.4	0.50	"	60.0	ND	95.7	70-130	1.04	20	
Surrogate: a,a,a-Trifluorotoluene	*32.8*		"	*30.0*		*109*	*70-130*			
Batch 1C22001 - EPA 5030B P/T										
Blank (1C22001-BLK1)				Prepared & Analyzed: 22-Mar-01						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*34.4*		"	*30.0*		*115*	*70-130*			
LCS (1C22001-BS1)				Prepared & Analyzed: 22-Mar-01						
Benzene	19.0	0.50	ug/l	20.0		95.0	70-130			
Toluene	20.0	0.50	"	20.0		100	70-130			
Ethylbenzene	20.8	0.50	"	20.0		104	70-130			
Xylenes (total)	63.3	0.50	"	60.0		105	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.8*		"	*30.0*		*99.3*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1C22001 - EPA 5030B P/T										
Matrix Spike (1C22001-MS1)		**Source: W103382-09**		Prepared & Analyzed: 22-Mar-01						
Benzene	18.2	0.50	ug/l	20.0	ND	91.0	70-130			
Toluene	19.3	0.50	"	20.0	ND	96.5	70-130			
Ethylbenzene	20.0	0.50	"	20.0	ND	100	70-130			
Xylenes (total)	60.4	0.50	"	60.0	ND	101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.7*		"	*30.0*		*102*	*70-130*			
Matrix Spike Dup (1C22001-MSD1)		**Source: W103382-09**		Prepared & Analyzed: 22-Mar-01						
Benzene	17.7	0.50	ug/l	20.0	ND	88.5	70-130	2.79	20	
Toluene	18.6	0.50	"	20.0	ND	93.0	70-130	3.69	20	
Ethylbenzene	19.5	0.50	"	20.0	ND	97.5	70-130	2.53	20	
Xylenes (total)	58.3	0.50	"	60.0	ND	97.2	70-130	3.54	20	
Surrogate: a,a,a-Trifluorotoluene	*30.2*		"	*30.0*		*101*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 9-1851	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	26-Mar-01 09:00

Notes and Definitions

CC-3	Continuing Calibration indicates that the quantitative result for this analyte includes a greater than 15% degree of uncertainty. The value as reported is within method acceptance.
CF-01	Results between the primary and confirmation column varied by greater than 40% RPD.
O-04	This sample was analyzed outside the EPA recommended holding time.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
Q-01	The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference