



# GETTLER-RYAN INC.

## TRANSMITTAL

March 21, 2001

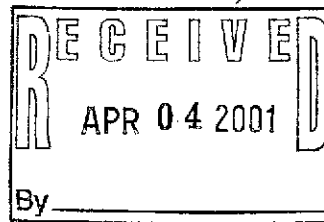
G-R #: 386878

TO: Mr. Thomas Bauhs  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

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

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

RE: **Chevron Service Station**  
**# 9-2582**  
**7240 Dublin Boulevard**  
**Dublin, California**



WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	March 12, 2001	Groundwater Monitoring and Sampling Report First Quarter - Event of January 23, 2001

### COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **April 3, 2001**, at which time the final report will be distributed to the following:

cc: Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-tb



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

May 2, 2001

Ms. Eva Chu  
Alameda County Health Care Services  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

**MAY 16 2001**

Subject: *First Quarter Events of January 23, 2001,  
Groundwater Monitoring and Sampling Report*  
Chevron Service Station No. 9-2582  
7240 Dublin Boulevard  
Dublin, California  
Delta Project No. DG9-2582

Dear Ms. Chu:

Attached per your request please find the *First Quarter Events of January 23, 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 January 2001 groundwater monitoring and sampling event.

If you have questions or comments regarding this report, please contact me at (916) 638-2765.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.**

A handwritten signature in black ink, appearing to read "Jim Brownell", is written over the company name. The signature is fluid and cursive, with a large loop at the end.

Jim Brownell  
Portfolio Manager

JRB (1st Qrt 2001 QM-9-2582.doc)  
Enclosures



# GETTLER - RYAN INC.

March 12, 2001  
G-R Job #386878

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

**RE: First Quarter Event of January 23, 2001**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, 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*  
Deanna L. Harding  
Project Coordinator

*Stephen J. Carter*  
Stephen J. Carter  
Senior Geologist, R.G. No. 5577

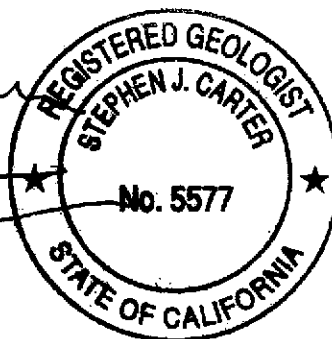


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results - Oxygenate Compounds  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-2582  
 7240 Dublin Boulevard  
 Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH							
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCA (ppb)
EA-1												
10/17/88	333.41	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/88	333.41	322.77	10.64	--	--	--	--	--	--	--	--	--
11/02/88	333.41	322.72	10.69	--	--	--	--	--	--	--	--	--
12/20/88	333.41	322.90	10.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	333.41	323.54	9.87	--	--	<250	<0.5	<0.5	<0.5	<0.5	--	--
08/02/89	333.41	323.07	10.34	--	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	333.41	322.76	10.65	--	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	333.41	322.81	10.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
04/23/90	333.41	322.83	10.58	--	--	71	2.0	5.0	3.0	8.0	--	<0.5
08/01/90	333.41	322.53	10.88	--	--	300	86	21	10	33	--	--
10/24/91	333.41	322.29	11.12	--	--	280	69	13	11	16	--	--
01/31/91	333.41	322.25	11.16	--	--	460	160	11	17	17	--	--
08/21/91	333.41	322.61	10.80	--	--	2400	400	220	44	120	--	--
08/21/91 (D)	333.41	--	--	--	--	2300	390	210	42	120	--	--
10/07/91	333.41	322.62	10.79	--	--	--	--	--	--	--	--	--
01/28/92	333.41	322.62	10.79	--	--	3600	320	360	110	310	--	--
01/28/92 (D)	333.41	--	--	--	--	3000	290	320	99	270	--	--
06/05/92	333.41	322.57	10.84	--	--	1700	290	89	61	130	--	--
09/30/92	333.41	322.35	11.06	--	--	2100	160	260	80	350	--	--
12/30/92	333.41	323.26	10.15	Sheen, Odor	--	3200	240	180	110	310	--	--
03/29/93	333.41	323.99	9.42	Odor	--	23,000	700	3000	610	3,000	--	--
06/25/93	333.41	322.99	10.42	--	--	2700	130	590	130	590	--	--
09/16/93	333.41	322.75	10.66	--	--	3900	410	830	220	890	--	--
12/20/93	333.41	322.81	10.60	--	--	27,000	1200	2600	1100	4200	--	--
03/29/94	333.41	323.00	10.41	--	--	6300	250	700	200	830	--	--
06/22/94	333.41	323.01	10.40	--	--	4100	71	240	110	460	<30	<10

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>EA-1(cont)</b>												
09/20/94	333.41	323.04	10.37	--	--	8500	1200	1300	370	1400	--	--
10/04/94	333.41	323.07	10.34	--	--	7600	97	360	150	620	--	--
11/30/94	333.41	323.95	9.46	--	--	8800	180	490	240	900	--	--
03/02/95	331.03	321.07	9.96	--	--	6900	82	570	210	970	--	--
06/15/95	331.03	321.23	9.80	--	--	4800	44	210	160	620	<25	--
09/26/95	331.03	320.55	10.48	--	--	13,000	150	620	370	1400	<125	--
12/28/95	331.03	320.89	10.14	--	--	11,000	74	250	200	750	79	--
02/29/96	331.03	322.29	8.74	--	--	17,000	59	480	350	1600	<125	--
06/27/96	331.03	320.82	10.21	--	--	3600	22	130	130	49	46	--
09/12/96	331.21	320.72	10.49	--	--	2000	20	<10	18	44	<50	--
03/31/97	331.21	321.02	10.19	--	--	17,000	87	230	330	1200	310	--
12/23/98	331.21	321.38	9.83	--	--	290	20	0.88	1.1	16	<2.5	--
03/25/99	331.21	322.08	9.13	--	--	500	21	<0.5	21	<0.5	18	--
02/03/00	331.21	322.16	9.05	--	--	2310	35.7	90	21.8	147	1280/365 <sup>3</sup>	--
01/23/01	331.21	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--
<b>EA-2</b>												
10/17/88	332.59	--	--	--	--	<50	<0.5	<0.5	<0.5	1.2	--	--
10/24/88	332.59	322.89	9.70	--	--	--	--	--	--	--	--	--
11/02/88	332.59	322.56	10.03	--	--	--	--	--	--	--	--	--
12/20/88	332.59	322.61	9.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	332.59	323.79	8.80	--	--	<250	<2.	<0.5	<0.5	<0.5	--	<0.5
08/02/89	332.59	323.15	9.44	--	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	332.59	323.06	9.53	--	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	332.59	323.32	9.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>EA-2 (cont)</b>												
04/23/90	332.59	323.24	9.35	--	--	<50	0.6	0.8	<0.5	2.0	--	<0.5
08/01/90	332.59	322.88	9.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	332.59	322.51	10.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	332.59	322.38	10.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91 (D)	332.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	332.59	322.79	9.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	332.59	322.61	9.98	--	--	--	--	--	--	--	--	--
01/28/92	332.59	322.78	9.81	--	--	<50	0.8	<0.5	<0.5	<0.5	--	--
06/05/92	332.59	322.73	9.86	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	332.59	321.99	10.60	--	--	66	1.0	3.2	1.3	7.4	--	--
12/30/92	332.59	323.48	9.11	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	332.59	324.86	7.73	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	332.59	323.37	9.22	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	332.59	322.59	10.00	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	332.59	323.21	9.38	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	332.59	323.29	9.30	--	--	<50	<0.5	0.6	<0.5	<0.5	--	--
06/22/94	332.59	323.10	9.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	332.59	322.87	9.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	332.59	323.01	9.58	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	332.59	323.89	8.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/02/95	330.21	321.67	8.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/07/95	330.21	321.79	8.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/26/95	330.21	320.87	9.34	--	--	540	6.8	<0.5	47	29	13	--
12/28/95	330.21	321.37	8.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/29/96	330.21	322.77	7.44	--	--	<50	<0.5	<0.5	<0.5	1.5	<2.5	--
06/27/96	330.21	321.38	8.83	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-2582  
 7240 Dublin Boulevard  
 Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH		B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)						
<b>EA-2 (cont)</b>												
09/12/96	330.41	321.01	9.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/97	330.41	321.30	9.11	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/23/98	330.41	321.50	8.91	--	--	<50	<2.5	<0.5	<0.5	<0.5	<2.5	--
03/25/99	330.41	322.31	8.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	--
02/03/00	330.41	322.05	8.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>3</sup>	--
<b>01/23/01</b>	<b>330.41</b>	<b>321.33</b>	<b>9.08</b>	<b>0.00</b>	--	<b>441<sup>1</sup></b>	<b>1.27</b>	<b>0.542</b>	<b>40.3</b>	<b>31.0</b>	<b>72.9</b>	--
<b>EA-3</b>												
10/17/88	333.64	--	--	--	--	<50	1.8	<0.5	<0.5	3.0	--	--
10/24/88	333.64	322.61	11.03	--	--	--	--	--	--	--	--	--
11/02/88	333.64	322.61	11.03	--	--	--	--	--	--	--	--	--
12/20/88	333.64	322.68	10.96	--	--	240	90	1.2	13	3.3	--	--
03/28/89	333.64	322.87	9.77	--	--	2300	380	130	240	910	--	--
08/02/89	333.64	322.99	10.65	--	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	333.64	322.86	10.78	--	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	333.64	322.98	10.66	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
04/23/90	333.64	322.96	10.68	--	--	<50	0.8	<0.5	0.9	<0.5	--	<0.5
08/01/90	333.64	322.61	11.03	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	333.64	322.29	11.35	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	333.64	322.12	11.52	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	333.64	--	--	--	--	--	--	--	--	--	--	--
10/07/91	333.64	322.49	11.15	--	--	180	40	20	4.7	8.4	--	--
10/07/91 (D)	333.64	--	--	--	--	200	43	17	4.1	6.7	--	--
01/28/92	333.64	322.12	11.08	--	--	640	69	85	13	46	--	--
06/05/92	333.64	322.66	10.98	--	--	250	63	8.3	3.0	9.5	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>EA-3 (cont)</b>												
09/30/92	333.64	322.26	11.38	--	--	330	120	33	6.3	22	--	--
12/30/92	333.64	323.16	10.48	--	--	58	7.6	1.3	2.5	5.4	--	--
03/29/93	333.64	324.34	9.30	--	--	120	11	4.5	6.2	13	--	--
06/25/93	333.64	323.18	10.46	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	333.64	322.74	10.90	--	--	85	3.9	8.8	4.5	22	--	--
12/20/93	333.64	322.98	10.66	--	--	190	12	12	13	50	--	--
03/29/94	333.64	323.14	10.50	--	--	<50	<0.5	1.2	<0.5	0.9	--	--
06/22/94	333.64	323.00	10.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	<3.0	<1.0
09/26/94	333.64	322.92	10.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	333.64	322.96	10.68	--	--	<50	<0.5	<0.5	<0.5	0.7	--	--
11/30/94	333.64	323.98	9.66	--	--	170	6.1	3.0	6.5	28	--	--
03/02/95	331.30	321.38	9.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/07/95	331.30	321.58	9.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	3.2	--
09/26/95	331.30	320.70	10.60	--	--	2000	140	<5.0	<5.0	190	280	--
12/28/95	331.30	321.48	9.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	26	--
02/29/96	331.30	323.02	8.28	--	--	<50	2.1	<0.5	2.5	6.0	31	--
06/27/96	331.30	321.39	9.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	331.50	320.91	10.59	--	--	13,000	<20	<20	<20	<20	48	--
03/31/97	331.50	INACCESSIBLE		--	--	--	--	--	--	--	--	--
04/15/97	331.50	321.25	10.25	--	--	<125	2.0	<1.2	<1.2	<1.2	680	--
12/23/98	331.50	INACCESSIBLE		--	--	--	--	--	--	--	--	--
03/25/99	331.50	INACCESSIBLE		--	--	--	--	--	--	--	--	--
02/03/00	331.50	INACCESSIBLE		--	--	--	--	--	--	--	--	--
<b>01/23/01</b>	<b>331.50</b>	<b>321.19</b>	<b>10.31</b>	<b>0.00</b>	--	<b>862<sup>1</sup></b>	<b>3.97</b>	<b>1.15</b>	<b>18.9</b>	<b>48.6</b>	<b>289</b>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>MW-1</b>												
10/04/94	333.56	320.76	12.80	--	--	2100	150	170	61	320	--	--
11/30/94	333.56	321.18	12.38	--	--	1500	210	17	73	130	--	--
03/02/95	333.56	320.68	12.88	--	--	2600	510	<10	160	<10	--	--
06/07/95	333.56	320.98	12.58	--	--	710	160	<2.0	45	<2.0	<10	--
09/26/95	333.56	320.41	13.15	--	--	1100	140	1.4	92	1.8	<5.0	--
12/28/95	333.56	320.47	13.09	--	--	750	96	2.5	61	7.4	37	--
02/29/96	333.56	321.39	12.17	--	--	250	17	<0.5	18	0.81	9.0	--
06/27/96	333.56	320.61	12.95	--	--	710	72	<2.0	92	2.2	<10	--
09/12/96	333.66	320.55	13.11	--	--	300	53	<0.5	32	0.65	21	--
03/31/97	333.66	320.67	12.99	--	--	<200	4.1	<2.0	4.8	<2.0	640	--
12/23/98	333.66	319.79	13.87	--	--	<50	<50	<0.5	<0.5	<0.5	3200	--
03/25/99	333.66	321.65	12.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	5200/5,200 <sup>3</sup>	--
02/03/00	333.66	321.75	11.91	--	--	<500	<5.0	<5.0	<5.0	<5.0	3180/3,350 <sup>3</sup>	--
01/23/01	333.66	321.09	12.57	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	4,420	--
<b>MW-2</b>												
10/04/94	329.18	320.62	8.56	--	--	2300	160	280	96	480	--	--
11/30/94	329.18	320.85	8.33	--	--	1600	170	16	110	120	--	--
03/02/95	329.18	320.83	8.35	--	--	1200	220	5.6	140	36	--	--
06/07/95	329.18	320.56	8.62	--	--	160	25	<0.5	16	<0.5	240	--
09/26/95	329.18	320.47	8.71	--	--	150	15	<0.5	7.2	<0.5	120	--
12/28/95	329.18	320.40	8.78	--	--	400	34	1.3	26	5.1	170	--
02/29/96	329.18	321.36	7.82	--	--	120	29	<0.5	<0.5	<0.5	790	--
06/27/96	329.18	320.46	8.72	--	--	150	13	<0.5	7.0	<0.5	850	--
09/12/96	329.29	320.48	8.81	--	--	<1000	18	<10	<10	<10	3100	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>MW-2 (cont)</b>												
03/31/97	329.29	320.64	8.65	--	--	<500	<5.0	<5.0	<5.0	<5.0	1400	--
12/23/98	329.29	320.97	8.32	--	--	<50	<0.5	<0.5	<0.5	<1.5	900	--
03/25/99	329.29	321.40	7.89	--	--	<50	2.6	<0.5	<0.5	<0.5	1100/670 <sup>3</sup>	--
02/03/00	329.29	321.76	7.53	--	--	<125	<1.25	<1.25	<1.25	<1.25	1020/1,100 <sup>3</sup>	--
<b>01/23/01</b>	<b>329.29</b>	<b>321.11</b>	<b>8.18</b>	<b>0.00</b>	--	<b>&lt;50.0</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>642</b>	--
<b>MW-3</b>												
10/04/94	332.73	320.67	12.06	--	--	6300	610	750	68	670	--	--
11/30/94	332.73	321.35	11.38	--	--	17,000	3600	490	430	610	--	--
03/02/95	332.73	320.76	11.97	--	--	8500	2200	<50	240	<50	64,000	--
06/07/95	332.73	321.19	11.54	--	--	3000	710	18	220	44	3100	--
09/26/95	332.73	320.37	12.36	--	--	<10,000	230	<100	130	<100	64,000	--
12/28/95	332.73	320.66	12.07	--	--	<12,500	760	<125	<125	<125	100,000	--
02/29/96	332.73	321.72	11.01	--	--	1600	380	<10	84	17	33,000	--
06/27/96	332.73	320.80	11.93	--	--	1400	<2.5	4.3	130	4.0	96,000	--
09/12/96	332.86	320.60	12.26	--	--	<10,000	560	<100	110	<100	100,000	--
03/31/97	332.86	320.82	12.04	--	--	<25,000	1200	370	<250	380	130,000	--
12/23/98	332.86	320.02	12.92	0.10	0.079	--	--	--	--	--	--	--
03/25/99	332.86	320.34	12.56	0.05	0.05	--	--	--	--	--	--	--
02/03/00	332.86	321.74	11.12	--	--	92,100	4780	11,400	2270	15,800	137,000/162,000 <sup>3</sup>	--
<b>01/23/01<sup>4</sup></b>	<b>332.86</b>	<b>321.08</b>	<b>11.78</b>	<b>0.00</b>	--	<b>60,600<sup>2</sup></b>	<b>4,810</b>	<b>7,500</b>	<b>1,870</b>	<b>11,000</b>	<b>148,000</b>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>MW-4</b>												
03/01/96	332.64	322.74	9.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/02/96	332.64	322.87	9.77	--	--	--	--	--	--	--	--	--
06/27/96	332.64	322.64	10.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	332.63	320.96	11.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	3.5	--
03/31/97	332.63	322.04	10.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/23/98	332.63	322.26	10.37	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/25/99	332.63	322.72	9.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/03/00	332.63	322.31	10.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>3</sup>	--
01/23/01	<b>332.63</b>	<b>322.09</b>	<b>10.54</b>	<b>0.00</b>	--	<b>&lt;50.0</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;5.00</b>	--
<b>MW-5</b>												
03/01/96	333.20	322.58	10.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/02/96	333.20	323.06	10.14	--	--	--	--	--	--	--	--	--
06/27/96	333.20	322.98	10.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	333.04	322.19	10.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/31/97	333.04	322.60	10.44	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/23/98	333.04	322.83	10.21	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
03/25/99	333.04	323.12	9.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/03/00	333.04	323.41	9.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>3</sup>	--
01/23/01	<b>333.04</b>	<b>322.69</b>	<b>10.35</b>	<b>0.00</b>	--	<b>&lt;50.0</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;0.500</b>	<b>&lt;5.00</b>	--
<b>PVC</b>												
08/02/89	--	--	11.52	--	--	100,000	8700	14,000	1700	17,000	--	50
08/02/89 (D)	--	--	--	--	--	110,000	9200	14,000	1800	13,000	--	50
11/06/89	--	--	--	--	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH					X (ppb)	MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)			
<b>EQUIPMENT BLANK</b>												
03/28/89	--	--	--	--	--	<250	<0.5	<0.5	<0.5	<0.5	--	--
<b>TRIP BLANK</b>												
07/28/89	--	--	--	--	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	--	--	--	--	--	<500	<3.0	<0.5	<0.5	<0.5	--	<0.5
01/25/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/01/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
10/24/90	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/28/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/05/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/30/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/22/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/02/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH						MTBE (ppb)	1,2-DCA (ppb)
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)		
<b>TRIP BLANK (cont)</b>												
06/07/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/26/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/29/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/01/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/31/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/25/99	--	--	--	--	--	<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	--
01/23/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Chevron Service Station #9-2582  
 7240 Dublin Boulevard  
 Dublin, California

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	SPHT (ft.)	SPH					MTBE (ppb)	1,2-DCA (ppb)	
					Removed (gallons)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)			X (ppb)
TRIP BLANK (cont)												
06/07/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/26/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/29/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/01/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/31/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/25/99	--	--	--	--	--	<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	--
01/23/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-2582  
7240 Dublin Boulevard  
Dublin, California

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**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to January 23, 2001, 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

SPHT = Separate Phase Hydrocarbon Thickness

SPH = Separate Phase Hydrocarbon

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

1,2-DCA = 1,2-Dichloroethane

(ppb) = Parts per billion

(D) = Duplicate

-- = Not Measured/Not Analyzed

\* TOC elevations are relative to msl.

<sup>1</sup> Laboratory report indicates weathered gasoline C6-C12.

<sup>2</sup> Laboratory report indicates gasoline C6-C12.

<sup>3</sup> MTBE by EPA Method 8260.

<sup>4</sup> Absorbent sock in well.



**Table 1**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Chevron Service Station #9-2582  
 7240 Dublin Boulevard  
 Dublin, California

WELL ID/ DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
<b>EA-1</b>							
02/03/00	1600	<5000	<1000	365	<10	<10	<10
<b>EA-2</b>							
02/03/00	<1000	<1000	<200	<2.0	<2.0	<2.0	<2.0
<b>MW-1</b>							
03/25/99	--	<25,000	<5000	5200	<100	<100	<100
02/03/00	<1000	<33,300	<6670	3350	<66.7	<66.7	<66.7
<b>MW-2</b>							
03/25/99	--	<500	<100	670	<2.0	<2.0	7.8
02/03/00	<1000	<10,000	<2000	1100	<20	<20	<20
<b>MW-3</b>							
02/03/00	<20,000	<1,000,000	<200,000	162,000	<2000	<2000	<2000
<b>MW-4</b>							
02/03/00	<1000	<1000	<200	<2.0	<2.0	<2.0	<2.0

**Table 1**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Chevron Service Station #9-2582  
 7240 Dublin Boulevard  
 Dublin, California

WELL ID/ DATE	METHANOL (ppb)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
MW-5 02/03/00	<1000	<1000	<200	<2.0	<2.0	<2.0	<2.0
TRIP BLANK 03/25/99	--	<500	<100	<2.0	<2.0	<2.0	<2.0

**EXPLANATIONS:**

Groundwater laboratory analytical results 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/ Chevron  
 Facility # 9-2582  
 Address: 7240 Dublin Blvd.  
 City: Dublin, CA

Job#: 386878  
 Date: 1-23-01  
 Sampler: TONY CAMARDA

Well ID EA-1  
 Well Diameter 4" in.  
 Total Depth \_\_\_\_\_ ft.  
 Depth to Water \_\_\_\_\_ ft.

Well Condition: LED IS RUSTED SHUT

Hydrocarbon Thickness: \_\_\_\_\_ (feet) Amount Bailed (Gallons)  
 (product/water): \_\_\_\_\_

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

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

Purge Equipment:

Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment:

Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: \_\_\_\_\_  
 Sampling Time: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? \_\_\_\_\_

Weather Conditions: \_\_\_\_\_  
 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
E-	VOAVIAL	Y	HCL	SEQUOIA	TPH(GI)/btex/mtba

COMMENTS: TRIED TO OPEN LED W/ T-BAR SEVERAL TIMES BUT COULD NOT OPEN.

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Chevron  
 Facility # 9-2582 Job#: 386878  
 Address: 7240 Dublin Blvd. Date: 1-23-01  
 City: Dublin, CA Sampler: TONY CAMARDA

Well ID: EA-2 Well Condition: OK  
 Well Diameter: 4" in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (Gallons): Ø  
 Total Depth: 39.16 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water: 9.08 ft. Factor (VF) 6" = 1.50 12" = 5.80

30.08 x VF .66 = 19.8 x 3 (case volume) = Estimated Purge Volume: 60.0 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 3:30 AM Weather Conditions: CLEAR  
 Sampling Time: 4:10 AM Water Color: CLEAR Odor: MILD  
 Purging Flow Rate: 2.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>3:40</u>	<u>28.0</u>	<u>7.31</u>	<u>1334</u>	<u>60.7</u>	_____	_____	_____
<u>3:50</u>	<u>40.0</u>	<u>7.27</u>	<u>1328</u>	<u>61.3</u>	_____	_____	_____
<u>4:00</u>	<u>60.0</u>	<u>7.16</u>	<u>1319</u>	<u>61.5</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#)- CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/bTEX/mtbe
<u>EA-2</u>	<u>3</u> VOAVIAL	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>		
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/ Facility # Chevron 9-2582  
 Address: 7240 Dublin Blvd.  
 City: Dublin, CA

Job#: 386878  
 Date: 1-23-01  
 Sampler: TONY CUMARDA

Well ID: EA-3  
 Well Diameter: 4" in.  
 Total Depth: 34.50 ft.  
 Depth to Water: 10.31 ft.

Well Condition: O.K.  
 Hydrocarbon Thickness: ∅ (feet)  
 Amount Bailed (product/water): ∅ (Gallons)  
 Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

24.19 x VF .66 = 15.9 x 3 (case volume) = Estimated Purge Volume: 47.0 gal.

Purge Equipment: Stack  
 Disposable Bailer  
 Bailer  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 4:30  
 Sampling Time: 5:00  
 Purging Flow Rate: 2 gpm.  
 Did well de-water? N

Weather Conditions: Cloudy  
 Water Color: Clear      Odor: N  
 Sediment Description: \_\_\_\_\_  
 If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:38	16.0	7.31	1336	65.6			
4:44	32.0	7.22	1328	65.7			
4:52	42.0	7.17	1319	66.1			

### LABORATORY INFORMATION

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA	TPH(GI)/btex/mtbe	
EA-3	3 VOAVIAL	Y	HCL			

COMMENTS: REPLACED 1 LOCK AND 4" CAP

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/ Facility # Chevron Job#: 386878  
 Address: 7240 Dublin Blvd. Date: 1-23-01  
 City: Dublin, CA Sampler: TONY CAMARDA

Well ID MW-1 Well Condition: O.K.  
 Well Diameter 2" in. Hydrocarbon Thickness: ∅ (feet) Amount Bailed (product/water): ∅ (Gallons)  
 Total Depth 25.20 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water 12.57 ft. Factor (VF) 6" = 1.50 12" = 5.80

12.63 x VF 1.7 = 2.1 x 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 5:15 Weather Conditions: CLOUDY  
 Sampling Time: 5:30 Water Color: CLEAR Odor: N  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>5:18</u>	<u>2.8</u>	<u>7.61</u>	<u>1303</u>	<u>64.5</u>			
<u>5:22</u>	<u>4.0</u>	<u>7.58</u>	<u>1281</u>	<u>64.9</u>			
<u>5:26</u>	<u>6.5</u>	<u>7.43</u>	<u>1273</u>	<u>65.3</u>			

**LABORATORY INFORMATION**

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/btax/mtbe
<u>MW-1</u>	<u>3</u> VOAVIAL	<u>Y</u>	<u>HCL</u>			

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client: Chevron Job#: 386878  
 Facility #: \_\_\_\_\_ Date: 1-23-01  
 Address: 7240 Dublin Blvd. Sampler: Tony Camarda  
 City: Dublin, CA

Well ID: MW-2 Well Condition: O.K.  
 Well Diameter: 2" in. Amount Bailed (product/water): 0 (Gallons)  
 Total Depth: 19.89 ft. Hydrocarbon Thickness: 0 (feet)  
 Depth to Water: 8.18 ft. Volume Factor (VF):  
 2" = 0.17      3" = 0.38      4" = 0.66  
 6" = 1.50      12" = 5.80

11.71 x VF 0.17 = 1.99 x 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 5:45 Weather Conditions: Cloudy  
 Sampling Time: 6:02 Water Color: Clear Odor: N  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>5:48</u>	<u>2.0</u>	<u>7.71</u>	<u>1291</u>	<u>65.1</u>			
<u>5:52</u>	<u>4.0</u>	<u>7.62</u>	<u>1282</u>	<u>65.3</u>			
<u>5:55</u>	<u>6.0</u>	<u>7.58</u>	<u>1278</u>	<u>65.6</u>			

**LABORATORY INFORMATION**

SAMPLE ID	# - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/bTEX/mtbe
<u>MW-2</u>	<u>3</u>	<u>VOAVIAL</u>	<u>Y</u>	<u>HCL</u>		

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/Company: Chevron  
 Job#: 386878  
 Address: 7240 Dublin Blvd.  
 Date: 1-23-01  
 City: Dublin, CA  
 Sampler: TOMY CAMARDA

Well ID: MW-3 Well Condition: O.K.  
 Well Diameter: 2" in. Amount Bailed (Gallons): 0  
 Total Depth: 25.36 ft. Hydrocarbon Thickness: 0 (feet) (product/water): 0  
 Depth to Water: 11.78 ft.

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

13.58 x VF 0.17 = 2.3 x 3 (case volume) = Estimated Purge Volume: 7.0 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 6:10 Weather Conditions: Cloudy  
 Sampling Time: 6:28 Water Color: Clear Odor: STRONG  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>6:14</u>	<u>2.5</u>	<u>7.91</u>	<u>1306</u>	<u>65.6</u>	_____	_____	_____
<u>6:18</u>	<u>5.0</u>	<u>7.73</u>	<u>1303</u>	<u>65.7</u>	_____	_____	_____
<u>6:23</u>	<u>7.0</u>	<u>7.61</u>	<u>1298</u>	<u>65.9</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(GI)/bTEX/mtbe
<u>MW-3</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>			
_____	_____	_____	_____			
_____	_____	_____	_____			

COMMENTS: WELL HAS AN ABSORBENT SOCK TIED TO ROPE.

# WELL MONITORING/SAMPLING FIELD DATA SHEET

Client: Chevron Job#: 386878  
 Facility #: \_\_\_\_\_ Date: 1-23-01  
 Address: 7240 Dublin Blvd. Sampler: TONY CAMARDA  
 City: Dublin, CA

Well ID: MW-4 Well Condition: O.K.  
 Well Diameter: 2" in. Hydrocarbon Thickness:  (feet) Amount Bailed (product/water):  (Gallons)  
 Total Depth: 19.82 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water: 10.54 ft. Factor (VF) 6" = 1.50 12" = 5.80

9.28 x VF .17 = 1.5 x 3 (case volume) = Estimated Purge Volume: 45.0 (gal.)

Purge Equipment: Disposable Bailer Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 6:45 Weather Conditions: Cloudy  
 Sampling Time: 7:05 Water Color: Clear Odor:   
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
6:50	1.5	7.31	1203	66.1			
6:53	3.0	7.28	1198	65.9			
6:57	5.0	7.26	1191	66.1			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY		ANALYSES
				SEQUOIA		TPH(G)/btax/mtbe
MW-	VOAVIAL	Y	HCL			

COMMENTS: REPLACED 2 LOCK AND 1 2" CAP

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Company: Chevron Job#: 386878  
 Address: 7240 Dublin Blvd. Date: 1-23-01  
 City: Dublin, CA Sampler: TONY CAMARDA

Well ID: MW-5 Well Condition: O.K.  
 Well Diameter: 2" in. Hydrocarbon Thickness: ∅ (feet) Amount Bailed (product/water): ∅ (Gallons)  
 Total Depth: 20.70 ft. Volume 2" = 0.17 3" = 0.38 4" = 0.66  
 Depth to Water: 10.35 ft. Factor (VF) 6" = 1.50 12" = 5.80

$10.35 \times VF .17 = 1.7 \times 3 \text{ (case volume)} = \text{Estimated Purge Volume: } \underline{5.5} \text{ (gal.)}$

Purge Equipment: Disposable Bailer Sampling Equipment: Disposable Bailer  
 Bailer Stack Suction Grundfos Other: \_\_\_\_\_  
 Bailer Pressure Bailer Grab Sample Other: \_\_\_\_\_

Starting Time: 7:20 Weather Conditions: Cloudy  
 Sampling Time: 7:45 Water Color: Clear Odor: 4  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? N If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>7:25</u>	<u>1.5</u>	<u>7.43</u>	<u>1109</u>	<u>65.1</u>			
<u>7:28</u>	<u>3.0</u>	<u>7.31</u>	<u>1103</u>	<u>65.3</u>			
<u>7:32</u>	<u>5.5</u>	<u>7.21</u>	<u>1098</u>	<u>65.8</u>			

LABORATORY INFORMATION						
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES	
<u>MW-5</u>	<u>3 VOAVIAL</u>	<u>Y</u>	<u>HCL</u>	<u>SEQUOIA</u>	<u>TPH(GI)/btax/mtbe</u>	

COMMENTS: \_\_\_\_\_

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

Chevron Facility Number #9-2582  
Facility Address 7240 DUBLIN BLVD., DUBLIN, CA.  
Consultant Project Number 386878  
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  
Laboratory Service Code  
Samples Collected by (Name) TOM CAMARDA  
Signature *[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	State Method: <input checked="" type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT IDAHO													Remarks
					BTEX/MTBE/TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8260)	Purgeable Hydrocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (8320)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Mn	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCD	TPH-D Extended	
TB-LB	1	W	HCL	1-23-01	X													461192
<del>EA-1</del>																		01
EA-2	3			4 <sup>10</sup>	X													02
EA-3	3			5 <sup>00</sup>	X													03
MW-1	3			5 <sup>30</sup>	X													04
MW-2	3			6 <sup>02</sup>	X													05
MW-3	3			6 <sup>28</sup>	X													06
MW-4	3			7 <sup>05</sup>	X													07
MW-5	3			7 <sup>45</sup>	X													08
																		09

Collected By (Signature) <i>[Signature]</i>	Organization G-R INC.	Date/Time	Received By (Signature) <i>[Signature]</i>	Organization <i>STQ</i>	Date/Time 1/26/01	iced <input checked="" type="checkbox"/> Y/N
Collected By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	iced Y/N
Collected By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	iced Y/N

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
5 Days  
10 Days  
As Contracted



# Sequoia Analytical

1551 Industrial Road  
San Carlos, CA 94070-4111  
(650) 232-9600  
FAX (650) 232-9612  
[www.sequoialabs.com](http://www.sequoialabs.com)

March 09 , 2001

Deanna Harding  
Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin, CA 94568  
RE: Chevron(1) / L101182

Enclosed are the results of analyses for samples received by the laboratory on 01/26/01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Latonya Pelt  
Project Manager

CA ELAP Certificate Number 2360



Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin CA, 94568

Project: Chevron(1)  
Project Number: Chevron 9-2582  
Project Manager: Deanna Harding

Reported:  
03/09/01 10:34

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	L101182-01	Water	01/23/01 00:00	01/26/01 11:10
EA-2	L101182-02	Water	01/23/01 16:10	01/26/01 11:10
EA-3	L101182-03	Water	01/23/01 17:00	01/26/01 11:10
MW-1	L101182-04	Water	01/23/01 17:30	01/26/01 11:10
MW-2	L101182-05	Water	01/23/01 18:02	01/26/01 11:10
MW-3	L101182-06	Water	01/23/01 18:28	01/26/01 11:10
MW-4	L101182-07	Water	01/23/01 19:05	01/26/01 11:10
MW-5	L101182-08	Water	01/23/01 19:45	01/26/01 11:10

Gettler-Ryan/Geostrategies(1)  
6747 Sierra Court, Suite J  
Dublin CA, 94568

Project: Chevron(1)  
Project Number: Chevron 9-2582  
Project Manager: Deanna Harding

Reported:  
03/09/01 10:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TB-LB (L101182-01) Water Sampled: 01/23/01 00:00 Received: 01/26/01 11:10</b>									
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.6 %	70-130		"	"	"	"	
<b>EA-2 (L101182-02) Water Sampled: 01/23/01 16:10 Received: 01/26/01 11:10</b>									
Purgeable Hydrocarbons as Gasoline	441	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	P-02
Benzene	1.27	0.500	"	"	"	"	"	"	
Toluene	0.542	0.500	"	"	"	"	"	"	
Ethylbenzene	40.3	0.500	"	"	"	"	"	"	
Xylenes (total)	31.0	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	72.9	5.00	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98.3 %	70-130		"	"	"	"	
<b>EA-3 (L101182-03) Water Sampled: 01/23/01 17:00 Received: 01/26/01 11:10</b>									
Purgeable Hydrocarbons as Gasoline	862	100	ug/l	2	1020011	02/04/01	02/05/01	DHS LUFT	P-02
Benzene	3.97	1.00	"	"	"	"	"	"	
Toluene	1.15	1.00	"	"	"	"	"	"	
Ethylbenzene	18.9	1.00	"	"	"	"	"	"	
Xylenes (total)	48.6	1.00	"	"	"	"	"	"	
Methyl tert-butyl ether	289	10.0	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		86.4 %	70-130		"	"	"	"	

Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

Project: Chevron(1)  
 Project Number: Chevron 9-2582  
 Project Manager: Deanna Harding

Reported:  
 03/09/01 10:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (L101182-04) Water</b> Sampled: 01/23/01 17:30 Received: 01/26/01 11:10									
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	4420	200	"	40	"	"	02/05/01	"	M-04
Surrogate: a,a,a-Trifluorotoluene		97.3 %		70-130	"	"	02/04/01	"	
<b>MW-2 (L101182-05) Water</b> Sampled: 01/23/01 18:02 Received: 01/26/01 11:10									
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	642	50.0	"	10	"	"	02/05/01	"	M-04
Surrogate: a,a,a-Trifluorotoluene		97.4 %		70-130	"	"	02/04/01	"	
<b>MW-3 (L101182-06) Water</b> Sampled: 01/23/01 18:28 Received: 01/26/01 11:10									
Purgeable Hydrocarbons as Gasoline	60600	10000	ug/l	200	1020012	02/04/01	02/05/01	DHS LUFT	P-01
Benzene	4810	100	"	"	"	"	"	"	
Toluene	7500	100	"	"	"	"	"	"	
Ethylbenzene	1870	100	"	"	"	"	"	"	
Xylenes (total)	11000	100	"	"	"	"	"	"	
Methyl tert-butyl ether	148000	10000	"	2000	"	"	02/07/01	"	M-04
Surrogate: a,a,a-Trifluorotoluene		109 %		70-130	"	"	02/05/01	"	



Gettler-Ryan/Geostrategies(1)  
 6747 Sierra Court, Suite J  
 Dublin CA, 94568

Project: Chevron(1)  
 Project Number: Chevron 9-2582  
 Project Manager: Deanna Harding

Reported:  
 03/09/01 10:34

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-4 (L101182-07) Water Sampled: 01/23/01 19:05 Received: 01/26/01 11:10</b>									
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.9 %	70-130		"	"	"	"	
<b>MW-5 (L101182-08) Water Sampled: 01/23/01 19:45 Received: 01/26/01 11:10</b>									
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l	1	1020011	02/04/01	02/04/01	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.00	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.3 %	70-130		"	"	"	"	

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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1020011 - EPA 5030B (P/T)</b>										
<b>Blank (1020011-BLK1)</b> Prepared & Analyzed: 02/04/01										
Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	5.00	"							
Surrogate: a,a,a-Trifluorotoluene	10.6		"	10.0		106	70-130			
<b>LCS (1020011-BS1)</b> Prepared & Analyzed: 02/04/01										
Benzene	10.5	0.500	ug/l	10.0		105	70-130			
Toluene	10.3	0.500	"	10.0		103	70-130			
Ethylbenzene	10.4	0.500	"	10.0		104	70-130			
Xylenes (total)	31.0	0.500	"	30.0		103	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.74		"	10.0		97.4	70-130			
<b>LCS (1020011-BS2)</b> Prepared & Analyzed: 02/04/01										
Purgeable Hydrocarbons as Gasoline	272	50.0	ug/l	250		109	70-130			
Surrogate: a,a,a-Trifluorotoluene	8.56		"	10.0		85.6	70-130			
<b>Matrix Spike (1020011-MS1)</b> Source: L101150-02 Prepared & Analyzed: 02/04/01										
Benzene	10.2	0.500	ug/l	10.0	ND	102	60-140			
Toluene	9.83	0.500	"	10.0	ND	98.3	60-140			
Ethylbenzene	9.84	0.500	"	10.0	ND	98.4	60-140			
Xylenes (total)	29.2	0.500	"	30.0	ND	97.3	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.2		"	10.0		102	70-130			
<b>Matrix Spike Dup (1020011-MSD1)</b> Source: L101150-02 Prepared & Analyzed: 02/04/01										
Benzene	10.9	0.500	ug/l	10.0	ND	109	60-140	6.64	25	
Toluene	10.8	0.500	"	10.0	ND	108	60-140	9.40	25	
Ethylbenzene	10.8	0.500	"	10.0	ND	108	60-140	9.30	25	
Xylenes (total)	32.0	0.500	"	30.0	ND	107	60-140	9.15	25	
Surrogate: a,a,a-Trifluorotoluene	8.53		"	10.0		85.3	70-130			

Sequoia Analytical - San Carlos

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.

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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control**  
**Sequoia Analytical - San Carlos**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1020012 - EPA 5030B (P/T)**

**Blank (1020012-BLK1)**

Prepared & Analyzed: 02/04/01

Purgeable Hydrocarbons as Gasoline	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	5.00	"							
Surrogate: a,a,a-Trifluorotoluene	9.87		"	10.0		98.7	70-130			

**LCS (1020012-BS1)**

Prepared & Analyzed: 02/04/01

Benzene	10.3	0.500	ug/l	10.0		103	70-130			
Toluene	9.82	0.500	"	10.0		98.2	70-130			
Ethylbenzene	9.72	0.500	"	10.0		97.2	70-130			
Xylenes (total)	28.8	0.500	"	30.0		96.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	10.4		"	10.0		104	70-130			

**LCS (1020012-BS2)**

Prepared & Analyzed: 02/04/01

Purgeable Hydrocarbons as Gasoline	259	50.0	ug/l	250		104	70-130			
Surrogate: a,a,a-Trifluorotoluene	10.6		"	10.0		106	70-130			

**Matrix Spike (1020012-MS1)**

Source: L101191-02

Prepared & Analyzed: 02/04/01

Benzene	11.2	0.500	ug/l	10.0	1.35	98.5	60-140			
Toluene	10.5	0.500	"	10.0	1.14	93.6	60-140			
Ethylbenzene	9.30	0.500	"	10.0	ND	93.0	60-140			
Xylenes (total)	30.2	0.500	"	30.0	2.80	91.3	60-140			
Surrogate: a,a,a-Trifluorotoluene	10.2		"	10.0		102	70-130			

**Matrix Spike Dup (1020012-MSD1)**

Source: L101191-02

Prepared & Analyzed: 02/04/01

Benzene	12.1	0.500	ug/l	10.0	1.35	108	60-140	7.73	25	
Toluene	11.4	0.500	"	10.0	1.14	103	60-140	8.22	25	
Ethylbenzene	10.1	0.500	"	10.0	ND	101	60-140	8.25	25	
Xylenes (total)	33.0	0.500	"	30.0	2.80	101	60-140	8.86	25	
Surrogate: a,a,a-Trifluorotoluene	10.3		"	10.0		103	70-130			

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#### Notes and Definitions

M-04 MTBE was reported from second analysis.  
P-01 Chromatogram Pattern: Gasoline C6-C12  
P-02 Chromatogram Pattern: Weathered Gasoline C6-C12  
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