GETTLER-RYAN INC.

April 6, 1995

Brett Hunter
Chevron USA Products Company
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-5542
7007 San Ramon Road
Dublin, CA
Job #5290.80

Dear Mr. Hunter:

This report documents the quarterly ground water sampling event performed by Gettler-Ryan (G/R) personnel. On March 6, 1995, field personnel were on-site to gauge and sample nine wells (MW-1 through MW-9) at Chevron Service Station #9-5542 located at 7007 San Ramon Road In Dublin, California.

Static ground water levels were measured on March 6, 1995. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the site wells. Static water level data and ground water elevations are presented in Table 1. A potentiometric map is included as Figure 1.

Ground water samples were collected from the monitoring wells on March 6, 1995 as specified by G/R Standard Operating Procedure - Quarterly Ground Water Sampling (attached). The field data sheets forms for this event are also attached. The samples were analyzed by Superior Precision Analytical, Inc. Analytic results are presented in Table 1. The chain of custody document and laboratory analytic report are enclosed. G/R is not responsible for laboratory omissions or errors.

Thank you for allowing Gettler-Ryan to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Respectfully submitted,

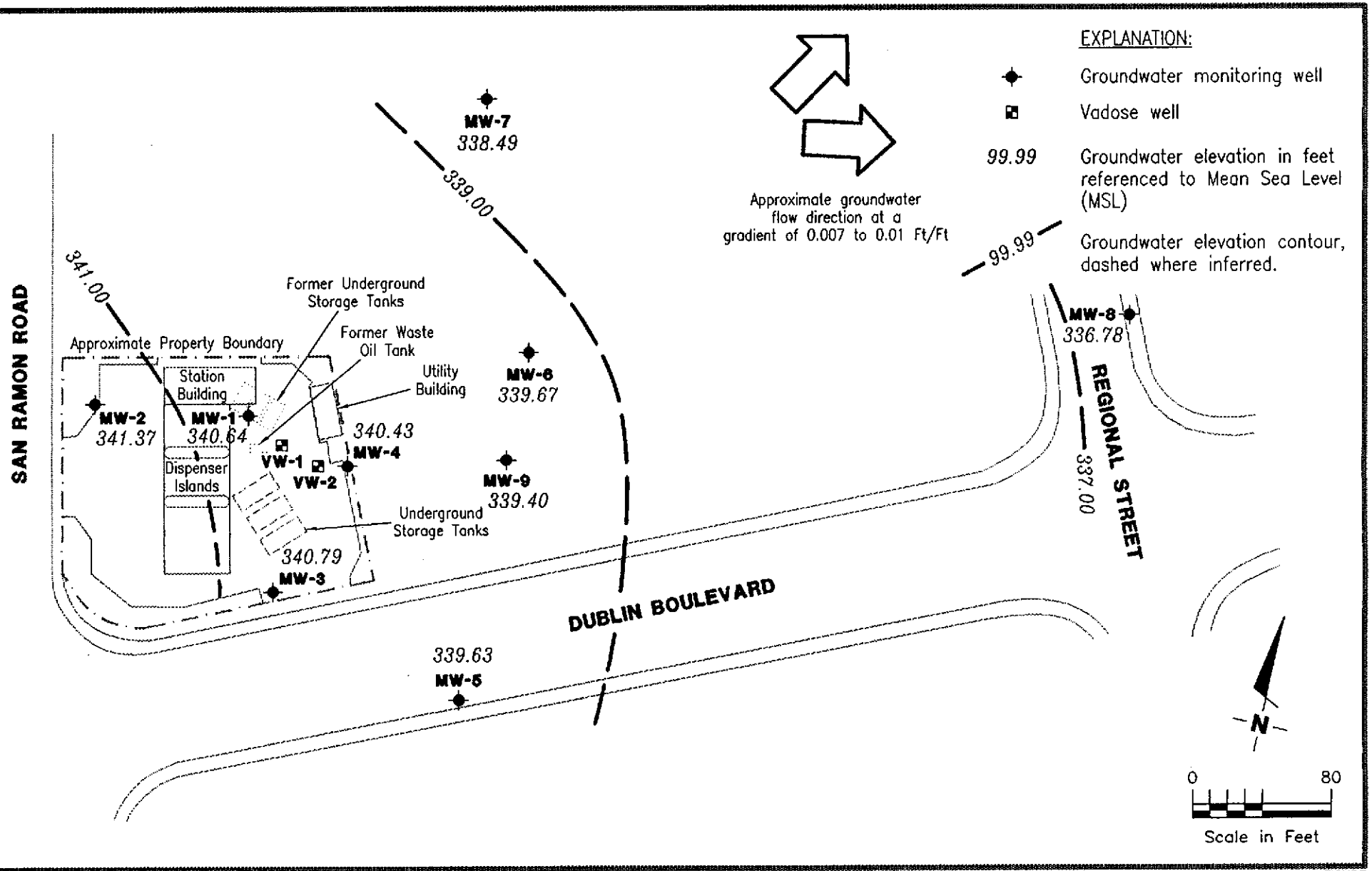
Argy Leyton
Environmental Project Manager

Stephen J. Carter
Senior Geologist, R.G. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

AML/SJC/aml
5290.QML

Plate 1: Potentiometric Map
Table 1: Water Level Data and Ground Water Analytic Results
Attachments: Standard Operating Procedure
Field Data Sheets
Chain of Custody Document and Laboratory Analytic Reports



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

SITE PLAN
Chevron Service Station No. 9-5542
7007 San Ramon Road
Dublin, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
5290.80		3/6/95	

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<—			ppb				—>		
MW-1/	4/3-4/90	—	—	—	8015/602/504	46,000	—	8,400	7,400	860	5,600	—	—	1.04	—
(D)	4/3-4/90	—	—	—	8015/602/504	43,000	—	8,400	7,200	840	5,200	—	—	1.1	—
363.98[1]	5/31/91	25.67	338.31	0	8015/8020/8010	31,000	—	7,400	2,500	630	2,100	ND[8]	2	—	—
	5/31/91	—	—	—	503E	—	<5,000	—	—	—	—	—	—	—	—
	6/21/91	26.23	337.75	0	—	—	—	—	—	—	—	—	—	—	—
	7/17/91	26.53	337.45	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	8015/8020/8010	31,000	—	3,000	2,800	610	3,100	ND[8]	0.6	—	—
	10/4/91	27.90	336.08	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	28.12	335.86	0	8015/8020/8010	20,000	—	5,200	1,700	560	2,000	ND[8]	3.3	—	—
	3/19/92	24.63	339.35	0	8015/8020/8010	30,000	—	8,500	3,600	590	2,400	ND[8]	2.7	—	—
364.32[2]	6/19/92	26.23	338.09	0	8015/8020	25,000	—	1,100	2,000	520	1,800	—	—	—	—
	9/22/92	27.73	336.59	0	8015/8020	21,000	—	8,000	3,500	670	2,900	—	—	—	—
	12/18/92	26.76	337.56	0	8015/8020	79,000	—	12,000	12,000	1,600	8,500	—	—	—	—
	3/10/93[6,13]	—	—	—	8015/8020	45,000	—	16,000	14,000	1,100	5,500	—	—	—	—
	3/22/93[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	6/14/93[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7/25/93[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9/23/93[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	3/21/94	26.16	338.16	0	8015/8020	5,900	—	1,600	560	140	330	—	—	—	—
	7/6/94	27.20	337.12	0	—	—	—	—	—	—	—	—	—	—	—
	8/26/94	—	—	—	8015/8020	20,000	—	5,300	4,900	610	2,900	—	—	—	—
	9/22/94	27.44	336.88	0	8015/8020	42,000	—	10,000	8,300	1,000	4,900	—	—	—	—
	12/8/94	26.70	337.62	—	8015/8020	38,000	—	9,000	7,700	830	3,800	—	—	—	—
	3/6/95	23.68	340.64	0	8015/8020	47,000	—	9,400	7,100	750	3,400	—	—	—	—
MW-2/	4/3-4/90	—	—	—	8015/602/504	<50	—	<0.3	<0.3	<0.3	<0.6	—	—	<0.02	—
364.19[1]	5/31/91	25.51	338.68	0	8015/8020/8010	100	—	3.1	4.2	0.7	2.0	ND[8]	<0.5	—	—
	5/31/91	—	—	—	503E	—	<5,000	—	—	—	—	—	—	—	—
	6/21/91	26.13	338.06	0	—	—	—	—	—	—	—	—	—	—	—
	7/17/91	26.46	337.73	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	8015/8020	68	—	1.3	1.6	0.8	3.0	—	—	—	—
	10/4/91	27.79	336.40	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	28.06	336.13	0	8015/8020	<50	—	0.6	1.2	0.8	2.5	—	—	—	—
	3/19/92	24.46	339.73	0	8015/8020	<50	—	2.5	2.0	1.1	2.4	—	—	—	—
364.64[2]	6/19/92	26.10	338.54	0	8015/8020	<50	—	<0.5	0.6	0.7	1.2	—	—	—	—
	9/22/92	27.60	337.04	0	8015/8020	200	—	16	42	6.1	32	—	—	—	—
	12/18/92	26.32	338.32	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	21.39	343.29	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/14/93	25.15	339.49	0	—	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<———			ppb						———>
MW-2	7/25/93	24.52	340.12	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
(cont)	9/23/93	25.63	339.01	0	8015/8020	72	—	12	4	6	8	—	—	—	—
	12/22/93	26.34	338.30	0	8015/8020	1,600	—	25	<0.5	3.8	4.8	—	—	—	—
	3/21/94	25.83	338.81	0	8015/8020	<50	—	0.7	3.3	<0.5	1.9	—	—	—	—
	6/29/94	—	—	—	8015/8020	52	—	0.8	0.9	0.8	1.9	—	—	—	—
	7/6/94	26.70	337.94	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	26.82	337.82	0	8015/8020	<50	—	0.7	<0.5	<0.5	0.6	—	—	—	—
	12/8/94	26.28	338.36	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	**23.27**	**341.37**	**0**	**8015/8020**	**<50**	**—**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**—**	**—**	**—**	**—**
MW-3/	4/3-4/90	—	—	—	8015/602/504	2,200	—	36	5	6	17	—	—	<0.02	—
361.92[1]	5/31/91	23.20	338.72	0	8015/8020/8010	2,200	—	130	11	31	78	ND[5]	19	—	—
	5/31/91	—	—	—	503E	—	<5,000	—	—	—	—	—	—	—	—
	6/21/91	24.13	337.79	0	—	—	—	—	—	—	—	—	—	—	—
	7/17/91	24.59	337.73	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	25.98	335.94	0	8015/8020	2,200	—	190	6.0	24	32	—	—	—	—
	12/19/91	26.24	335.68	0	8015/8020	640	—	73	27	17	56	—	—	—	—
	3/19/92	22.46	339.46	0	8015/8020	4,500	—	1,000	15	91	240	—	—	—	—
362.26[2]	6/19/92	24.32	337.94	0	8015/8020	1,100	—	89	3.3	9.1	13	—	—	—	—
	9/22/92	25.84	336.42	0	8015/8020	1,400	—	81	51	15	49	—	—	—	—
	12/18/92	24.40	337.86	0	8015/8020	1,100	—	2.0	1.1	53	38	—	—	—	—
	3/22/93	19.72	342.54	0	8015/8020	1,600	—	96	9	14	91	—	—	—	—
	6/14/93	23.52	338.74	0	—	—	—	—	—	—	—	—	—	—	—
	7/25/93	23.21	339.05	0	8015/8020	1,200	—	19	6	2	5	—	—	—	—
	9/23/93	24.02	338.24	0	8015/8020	1,500	—	35	<0.5	5	13	—	—	—	—
	12/22/93	24.67	337.59	0	8015/8020	1,500	—	26	<0.5	3.9	4.9	—	—	—	—
	3/21/94	24.05	338.21	0	8015/8020	1,400	—	22	14	1.1	5.3	—	—	—	—
	6/29/94	—	—	—	8015/8020	1,700	—	90	6.1	20	81	—	—	—	—
	7/6/94	25.08	337.18	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	24.78	337.48	0	8015/8020	2,600	—	72	7.6	110	370	—	—	—	—
	12/8/94	24.35	337.91	0	8015/8020	2,700	—	32	<0.5	100	140	—	—	—	—
	3/6/95	**21.47**	**340.79**	**0**	**8015/8020**	**1,000**	**—**	**4.0**	**9.9**	**8.8**	**7.7**	**—**	**—**	**—**	**—**
MW-4/	4/3-4/90	—	—	—	8015/413.1/602/504	43,000	18,000	4,000	5,000	790	5,500	—	—	<0.02	—
	4/3-4/90	—	—	—	624**	—	—	6,000	8,200	1,500	—	—	—	—	—
362.70[1]	5/31/91	24.67	338.03	0	8015/8020/8010	34,000	—	2,900	2,900	680	3,300	ND[5]	<0.5	—	—
	5/31/91	—	—	—	503E	<5,000	—	—	—	—	—	—	—	—	—
	6/21/91	25.31	337.39	0	—	—	—	—	—	—	—	—	—	—	—
	7/17/91	25.73	336.97	0	—	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<			ppb						>
MW-4	9/20/91	—	—	—	8015/8020/8010	37,000	—	4,000	3,200	580	3,000	ND[8]	9.2	—	—
(cont)	10/4/91	27.08	335.62	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	27.24	335.46	0	8015/8020/8010	41,000	—	5,500	4,900	1,000	4,400	ND[8]	17	—	—
	3/19/92	23.66	339.04	0	8015/8020/8010	21,000	—	3,800	2,900	500	3,200	ND[9]	15	—	—
363.07[2]	6/19/92	25.33	337.74	0	8015/5520/8020	27,000	<5,000	1,800	1,600	570	1,900	—	—	—	—
	9/22/92	26.90	336.17	0	8015/5520/8020	20,000	<5,000	4,100	2,700	670	3,200	—	—	—	—
	12/18/92	25.62	337.45	0	8015/5520/8020	15,000	<5,000	2,200	2,000	370	1,600	—	—	—	—
	3/22/93	20.80	342.27	0	8015/5520/8020	41,000	5,000	3,900	5,100	840	4,500	—	—	—	—
	6/14/93	25.73	337.34	0	—	—	—	—	—	—	—	—	—	—	—
	7/25/93	24.02	339.05	0	8015/5520/8020	94,000	<5,000	18,000	30,000	2,400	14,000	—	—	—	—
	9/23/93	25.00	338.07	0	8015/5520/8020	23,000	<5,000	4,700	2,000	900	4,600	—	—	—	—
	12/22/93	25.72	337.35	0	8015/5520/8020	18,000	<5,000	2,800	1,300	420	1,700	—	—	—	—
	3/21/94	25.09	337.98	0	8015/413.1/8020	21,000	<5,000	2,800	1,700	540	1,900	—	—	—	—
	6/29/94	—	—	—	8015/413.1/8020	25,000	<5,000	4,000	2,600	960	3,300	—	—	—	—
	7/6/94	26.11	336.96	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	26.54	336.53	0	8015/413.1/8020	45,000	<5,000	11,000	8,800	1,000	5,100	—	—	—	—
	12/8/94[14]	25.55	337.52	0	8015/413.1/8020	6,700	<5,000	1,200	720	34	1,100	—	—	—	—
	3/6/95	**22.64**	**340.43**	**0**	**8015/8020**	**8,900**	**—**	**1,400**	**540**	**350**	**940**	**—**	**—**	**—**	**—**
MW-5/															
359.95[1]	6/21/91	23.17	336.78	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	8010/LUFT	—	—	—	—	—	—	ND[8]	<0.5	—	<4,000
	7/17/91	23.68	336.27	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	8015/8020	170[10]	—	0.8	0.9	<0.5	1.5	—	—	—	—
	10/4/91	25.20	334.75	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	25.20	334.75	0	8015/8020	<50	—	0.7	0.7	<0.5	1.4	—	—	—	—
	3/19/92	21.21	338.74	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
360.28[2]	6/19/92	23.42	336.86	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/92	24.97	335.31	0	8015/8020	150	—	13	34	5.0	26	—	—	—	—
	12/18/92	23.52	336.76	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	19.10	341.18	0	—	—	—	—	—	—	—	—	—	—	—
	6/14/93	22.71	337.57	0	—	—	—	—	—	—	—	—	—	—	—
	7/25/93	21.99	338.29	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	23.48	336.80	0	8015/8020	<50	—	3	1	1	2	—	—	—	—
	12/22/93	23.98	336.30	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	23.18	337.10	0	8015/8020	<50	—	2.4	1.4	<0.5	2	—	—	—	—
	6/29/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	1.0	—	—	—	—
	7/6/94	24.41	335.87	0	—	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<----------			ppb						---------->
MW-5	9/22/94	24.78	335.50	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
(cont)	12/8/94	23.42	336.86	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	20.65	339.63	0	8015/8020	67	—	1.9	2.5	4.7	19	—	—	—	—
MW-6/															
360.22[1]	6/21/91	23.55	336.67	0	8015/8020	3,700	—	50	2.6	150	340	—	—	—	—
	6/21/91	—	—	—	8010/LUFT	—	—	—	—	—	—	ND[8]	<0.5	—	<4,000
	7/17/91	24.00	336.22	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	8015/8020	3,200	—	28	<0.5	140	100	—	—	—	—
	10/4/91	25.29	334.93	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	25.34	334.88	0	8015/8020	380	—	2.7	4.0	15	10	—	—	—	—
	3/19/92	22.05	338.17	0	8015/8020	3,400	—	57	4.5	330	360	—	—	—	—
360.58[2]	6/19/92	23.52	337.06	0	8015/8020	980	—	11	4.2	57	38	—	—	—	—
	9/22/92	25.60	334.98	0	8015/8020	1,100	—	22	41	77	58	—	—	—	—
	12/18/92	24.18	336.40	0	8015/8020	1,900	—	3.2	1.3	58	47	—	—	—	—
	3/10/93	—	—	—	8015/8020	1,400	—	30	9	8	22	—	—	—	—
	3/22/93	19.36	341.22	0	—	—	—	—	—	—	—	—	—	—	—
	6/14/93	23.48	337.10	0	—	—	—	—	—	—	—	—	—	—	—
	7/25/93	22.30	338.28	0	8015/8020	83[11]	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	23.20	337.38	0	8015/8020	200	—	6	2	3	3	—	—	—	—
	12/22/93	23.91	336.67	0	8015/8020	130	—	<0.5	1.8	1.2	1.5	—	—	—	—
	3/21/94	23.27	337.31	0	8015/8020	290	—	3	10	1.6	4.7	—	—	—	—
	6/29/94	—	—	—	8015/8020	300	—	0.6	1.2	2.4	4.6	—	—	—	—
	7/6/94	24.27	336.31	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	24.84	335.74	0	8015/8020	2,300	—	58	3.6	100	290	—	—	—	—
	12/8/94	23.85	336.73	0	8015/8020	<50	—	<0.5	<0.5	<0.5	0.9	—	—	—	—
	3/6/95	20.91	339.67	0	8015/8020	360	—	2.0	3.6	0.9	2.3	—	—	—	—
MW-7/															
360.63[1]	6/21/91	23.45	337.18	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	8010/LUFT	—	—	—	—	—	—	ND[8]	<0.5	—	<4,000
	7/17/91	23.90	336.73	0	—	—	—	—	—	—	—	—	—	—	—
	9/20/91	—	—	—	8015/8020	69	—	4.4	3.3	1.2	3.9	—	—	—	—
	10/4/91	25.03	335.60	0	—	—	—	—	—	—	—	—	—	—	—
	12/19/91	25.10	335.53	0	8015/8020	<50	—	0.9	2.8	1.7	5.9	—	—	—	—
	3/19/92	22.74	337.89	0	8015/8020	<50	—	1.1	0.6	0.9	2.5	—	—	—	—
360.99[2]	6/19/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	9/22/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	12/18/92[3]	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<------				ppb				------>	
MW-7	3/22/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(cont)	6/14/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	7/25/93[5]	—	—	—	—	—	—	—	—	—	—	—	—	—	—
361.68[6]	12/23/93	23.67	338.01	0	8015/8020	<50	—	0.9	0.5	<0.5	<0.5	—	—	—	—
	3/21/94	24.13	337.55	0	8015/8020	<50	—	0.5	1.1	<0.5	1.4	—	—	—	—
	6/29/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/6/94	26.45	335.23	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	27.40	334.28	0	8015/8020	11,000	—	1,900	230	310	970	—	—	—	—
	12/8/94	26.23	335.45	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	**23.19**	**338.49**	**0**	**8015/8020**	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	—	—	—	—
MW-8/															
—	12/12/91	22.54	—	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
354.89[2]	6/19/92	20.47	334.42	0	8015/8020	<50	—	1.2	1.4	0.5	2.9	—	—	—	—
	9/22/92	29.80	325.09	0	8015/8020	180	—	17	42	6.0	31	—	—	—	—
	12/18/92	21.18	333.71	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	8015/8020	<50	—	0.8	2	<0.5	2	—	—	—	—
	3/22/93	16.91	337.98	0	—	—	—	—	—	—	—	—	—	—	—
	6/14/93	24.30	330.59	0	—	—	—	—	—	—	—	—	—	—	—
	7/25/93	23.77	331.12	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	20.40	334.49	0	8015/8020	<50	—	1	0.9	0.7	1	—	—	—	—
	12/22/93	20.92	333.97	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	20.19	334.70	0	8015/8020	<50	—	0.9	1.5	<0.5	2	—	—	—	—
	6/29/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	0.8	—	—	—	—
	7/6/94	21.05	333.84	0	—	—	—	—	—	—	—	—	—	—	—
	9/22/94	21.84	333.05	0	8015/8020	9,600	—	1,600	180	260	840	—	—	—	—
	10/14/94	21.84	333.05	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/8/94	20.71	334.18	0	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	**18.11**	**336.78**	**0**	**8015/8020**	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	—	—	—	—
MW-9/															
361.23[7]	7/6/94	25.15	336.08	0	—	—	—	—	—	—	—	—	—	—	—
	8/26/94	—	—	—	8015/8020	12,000	—	1,700	240	410	1,400	—	—	—	—
	9/22/94	25.74	335.49	0	8015/8020	10,000	—	1,900	290	320	1,200	—	—	—	—
	12/8/94	24.84	336.39	0	8015/8020	18,000	—	2,400	780	450	4,600	—	—	—	—
	3/6/95	**21.83**	**339.40**	**0**	**8015/8020**	**6,100**	—	**1,400**	**260**	**420**	**1,500**	—	—	—	—
Trip Blank															
MW-AA	5/31/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	Analytic Method	TPPH(G)	O&G	B	T	E	X	Other HVOCs	1,2-DCA	EDB	OL
						<———			ppb						———>
MW-AA (cont)	6/21/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/20/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/19/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/19/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
TB-LB	6/19/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/92	—	—	—	8015/8020	92[12]	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/18/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/25/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/22/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/29/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/1/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	7/6/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/8/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/6/95	—	—	—	**8015/8020**	**<50**	—	**<0.5**	**<0.5**	**<0.5**	**<0.5**	—	—	—	—
Bailer Blank MW-BB	5/31/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/21/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/20/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/19/91	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/19/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	6/19/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/22/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	0.8	—	—	—	—
	12/21/92	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/10/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/22/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	0.6	—	—	—	—
	7/25/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	9/23/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	12/22/93	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—
	3/21/94	—	—	—	8015/8020	<50	—	<0.5	<0.5	<0.5	<0.5	—	—	—	—

Table 1. Water Level Data and Ground Water Analytic Results - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

EXPLANATION:

DTW = Depth to water
TOC = Top of casing elevation
GWE = Ground water elevation
msl = Measurements referenced relative to mean sea level
TPPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
HVOCs = Halogenated Volatile Organic Compounds
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
OL = Organic lead
ppb = Parts per billion
D = Duplicate sample
ND = Not detected (see notes)
— = Not available/not applicable

ANALYTIC METHODS:

8015 = EPA Method 8015/5030 for TPPH(G)
602 = EPA Method 602 for BTEX
504 = EPA Method 504 for EDB
8020 = EPA Method 8020 for BTEX
8010 = EPA Method 8010 for HVOCs
503E = Standards Methods Method 503E for O&G

ANALYTIC METHODS: (continued)

413.1 = EPA Method 413.1 for total O&G
624 = EPA Method 624 for BTEX and VOCs
5520 = Standard Methods Method 5520 for O&G
LUFT = DHS LUFT Manual Method for OL

NOTES:

Analytic data was compiled from a draft report prepared by Chempro, undated.

* Product thickness was measured with an MMC flexi-dip interface probe.

1 Top of casing elevations for monitoring wells MW-1 through MW-7 were surveyed by Ron Miller, Professional Engineer #15816 on June 26, 1991.

2 Top of casing elevations for monitoring wells MW-1 through MW-8 were surveyed by Kier & Wright of Pleasanton, California on December 12, 1991. Survey data received by SES on April 30, 1992.

3 Well could not be located on this date due to surface conditions from recent discing.

4 Monitoring well part of remediation system.

5 Monitoring well not located since March 1992 sampling event.

6 Top of casing elevation surveyed by Ron Miller, PE #15816, on January 13, 1994.

7 Monitoring well surveyed by Ron Miller, PE #15816, on July 5, 1994.

8 Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.

9 Chloroform and bromodichloromethane were detected at 1.3 and 0.9 ppb, respectively. Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.

10 A non-standard gasoline pattern was observed in the chromatogram.

11 Uncategorized compound not included in gasoline total.

12 Gasoline range concentration reported. The chromatogram shows only a single peak in the gasoline range.

13 Analytic results provided by Chevron Project Manager.

14 TPPH(G) and BTEX results are estimated concentrations. Due to laboratory error, sample was analyzed past the recommended holding time. (GTEL)

STANDARD OPERATING PROCEDURE
QUARTERLY GROUND WATER SAMPLING

Gettler-Ryan field personnel adhere to the following procedures for the collection and handling of ground water samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss pevention 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 a MMC flexi-dip 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 purging. Purging continues until these parameters stabilize.

Ground water samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytic 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, preservative (if any), and the sample collector's initials. The water samples are placed in cooler maintained at 4 C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivery 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 ground water samples.

As requested by Chevron USA Products Company, the purge and decontamination water generated during sampling activities is taken to Chevron's Richmond Refinery for disposal.

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-5542 JOB # 5290.80

LOCATION 7007 ~~Sierra~~ San Ramon Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-1 Well Condition okay

Well Diameter 4" in. Hydrocarbon Thickness — ft.

Total Depth 50' ft.

Depth to Liquid- 23.68 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 26.32 x(VF) 0.66 = (Estimated Purge Volume) 17.4 52.2 gal.

Purging Equipment

Sampling Equipment

Starting Time 12:22 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
12:28	7.14	1378	66.3	18
12:38	7.15	1401	66.4	36
12:48	6.92	1392	66.8	54
~~12:44 / 12:58~~ 12:52	6.93	1390	66.8	55

Did well dewater? No If yes, time Volume

Sampling Time ~~12:49~~ 12:52 Weather Conditions

Analysis Gas BTXE Bottles Used

Chain of Custody Number

COMMENTS Delay had to move for Gas Delivery

FOREMAN [signature] ASSISTANT

GETTLER-RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-5542 JOB # 5290.80

LOCATION 7007 San Ramon ~~Hall~~ Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-2 Well Condition okay

Well Diameter 2" in. Hydrocarbon Thickness C ft.

Total Depth 39' ft.

Depth to Liquid- 23.27 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 15.73 x(VF) 6.11 = (Estimated Purge Volume) 27 81 gal.

Purging Equipment Suction

Sampling Equipment Disposable Bailer

Starting Time 10:48 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
10:49	7.13	1384	67.6	3.5
10:50	7.00	1350	68.9	3
10:52	7.04	1369	69.0	6
10:54	7.05	1370	69.0	9
10:58	7.04	1370	68.9	10

Did well dewater? NO If yes, time Volume

Sampling Time 10:55 Weather Conditions

Analysis Gas BTXE Bottles Used

Chain of Custody Number

95

COMMENTS

FOREMAN ASSISTANT

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING
FIELD DATA SHEET

COMPANY Chevron #9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-3 Well Condition okay

Well Diameter 2" in. Hydrocarbon Thickness — ft.

Total Depth 35' ft.

Depth to Liquid- 21.47 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x ~~14.47~~ 13.53 x(VF) 0.17 = (Estimated Purge Volume) 2.3 6.9 gal.

Purging Equipment Bailer

Sampling Equipment Disposable Bailer

Starting Time 11:08 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
11:10	7.65	1636	70.4	2.5
11:12	7.34	1662	70.6	5.0
11:14	7.10	1657	69.6	7.5
11:18	7.12	1658	69.0	~~6~~ 9.0

Did well dewater? No If yes, time Volume

Sampling Time 11:18 Weather Conditions

Analysis Gas BTXE Bottles Used

Chain of Custody Number

COMMENTS 104

FOREMAN ASSISTANT

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron 9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-4 Well Condition okay

Well Diameter 2" in. Hydrocarbon Thickness — ft.

Total Depth 36' ft.

Depth to Liquid- 22.64 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 13.36 x(VF) 0.17 = (Estimated Purge Volume) 2.27 gal.

Purging Equipment Suction

Sampling Equipment Bailer

Starting Time 12:06 Purging Flow Rate — gpm.

(Estimated Purge Volume) — gal. / (Purging Flow Rate) — gpm. = (Anticipated Purging Time) — min.

Time	pH	Conductivity	Temperature	Volume
12:08	6.92	1384	68.8	2.5
12:10	6.80	1385	69.1	5.0
12:12	6.81	1386	69.0	7.5
12:16	6.81	1385	69.1	8.5

Did well dewater? No If yes, time — Volume —

Sampling Time 12:16 Weather Conditions —

Analysis Gas BTXE Bottles Used 128

Chain of Custody Number —

COMMENTS —

FOREMAN [signature] ASSISTANT —

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Road DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-5 Well Condition okay

Well Diameter 2" in. Hydrocarbon Thickness 0 ft.

Total Depth 36' ft.

Depth to Liquid- 20.65 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) ____ x 15.35 x(VF) 0.17 = (Estimated Purge Volume) 2.6 7.8 gal.

Purging Equipment Suction

Sampling Equipment Disp. Bailer

Starting Time ____ Purging Flow Rate ____ gpm.

(Estimated Purge Volume) ____ gal. / (Purging Flow Rate) ____ gpm. = (Anticipated Purging Time) ____ min.

Time	pH	Conductivity	Temperature	Volume
9:18	7.52	1382	65.3	3
9:20	7.15	1393	66.0	6
9:22	7.14	1406	66.0	9
9:25	7.15	1407	65.9	10

Did well dewater? No If yes, time ____ Volume ____

Sampling Time 9:25 Weather Conditions ____

Analysis Gas BTXE Bottles Used ____

Chain of Custody Number ____

COMMENTS ____

15

FOREMAN ____ ASSISTANT ____

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron #9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-6

Well Diameter 2" in.

Total Depth 34.3 ft.

Depth to Liquid- 20.91 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) ____ x 13.39 x(VF) 6.17 = (Estimated Purge Volume) 2.27 6.81 gal.

Well Condition

Hydrocarbon Thickness ft.

Purging Equipment Suction

Sampling Equipment Bailer

Starting Time 11:33 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
11:35	6.86	1432	69.4	2.5
11:37	6.72	1350	67.3	5.0
11:39	6.68	1345	67.1	7.5
11:43	6.69	1349	67.0	8.5

Did well dewater? No If yes, time Volume

Sampling Time 11:43 Weather Conditions

Analysis Gas BTEX Bottles Used

Chain of Custody Number 112

COMMENTS

FOREMAN Mark ASSISTANT

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Blvd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-7 Well Condition Okay No cap

Well Diameter 2" in. Hydrocarbon Thickness 0 ft.

Total Depth 35.5 ft.

Depth to Liquid- 23.19 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x ____ x(VF) 0.17 = (Estimated Purge Volume) 2.8 ~~8.4~~ gal.

Purging Equipment Suction

Sampling Equipment Disp Bailer

Starting Time 10:05 Purging Flow Rate ____ gpm.

(Estimated Purge Volume) ____ gal. / (Purging Flow Rate) ____ gpm. = (Anticipated Purging Time) ____ min.

Time	pH	Conductivity	Temperature	Volume
10:06	7.21	1487	63.2	1.5
10:07	6.94	1486	63.9	3
10:09	7.15	1487	65.3	6
10:11	7.17	1486	65.4	9
10:15	7.16	1486	65.3	10

Did well dewater? No If yes, time ____ Volume ____

Sampling Time 10:15 Weather Conditions ____

Analysis Gas BTEX Bottles Used ____

Chain of Custody Number ____

COMMENTS 65

FOREMAN [signature] ASSISTANT ____

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Blvd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-8 Well Condition okay No lock

Well Diameter 2" in. Hydrocarbon Thickness 0 ft.

Total Depth 34' ft.

Depth to Liquid- 18.11 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 15.89 x(VF) 0.17 = (Estimated Purge Volume) 2.) 8.1 gal.

Purging Equipment Suction

Sampling Equipment DS Bailer

Starting Time 9:43 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
9:45	6.89	1617	65.8	3
9:48	6.82	1817	65.8	6
9:50	6.80	1817	65.8	9
9:55	6.81	1818	65.8	10

Did well dewater? No If yes, time Volume

Sampling Time 9:55 Weather Conditions

Analysis Gas BTXE Bottles Used

Chain of Custody Number

COMMENTS 85

FOREMAN ASSISTANT

GETTLER–RYAN INC.

General and Environmental Contractors

WELL SAMPLING FIELD DATA SHEET

COMPANY Chevron # 9-5542 JOB # 5290.80

LOCATION 7007 San Ramon Rd DATE 3-6-95

CITY Dublin CA TIME

Well ID. MW-9 Well Condition okay

Well Diameter 2" in. Hydrocarbon Thickness 0 ft.

Total Depth 33.75 ft.

Depth to Liquid- 21.83 ft.

Volume Factor (VF)			
	2" = 0.17	6" = 1.50	12" = 5.80
	3" = 0.38	8" = 2.60	
	4" = 0.66	10" = 4.10	

(# of casing volumes) 3 x 0 11.92 x(VF) 0.17 = (Estimated Purge Volume) 2.02 gal.

Purging Equipment Suction

Sampling Equipment Baker

Starting Time 11:46 Purging Flow Rate gpm.

(Estimated Purge Volume) gal. / (Purging Flow Rate) gpm. = (Anticipated Purging Time) min.

Time	pH	Conductivity	Temperature	Volume
11:48	7.15	1397	65.5	2.5
11:50	6.82	1418	66.7	5.0
11:52	6.79	1411	67.C	7.5
11:56	6.8C	1412	66.9	8.5

Did well dewater? No If yes, time Volume

Sampling Time 11:55 Weather Conditions

Analysis Cam 13 TPH Bottles Used

Chain of Custody Number 120

COMMENTS

FOREMAN Mark ASSISTANT

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☒ No 80776 **Chain-of-Custody-Record**

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-5542
Facility Address: 7007 San Ramon Rd Dublin CA
Consultant Project Number: 5290.80
Consultant Name: Gettler Ryan Inc.
Address: 6747 Sierra Ct Suite G Dublin CA
Project Contact (Name): ARGY LEYTON
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name): BRETT HUNTER
(Phone): 842-8695
Laboratory Name: Superior
Laboratory Release Number: 546440
Samples Collected by (Name): Frank Cline
Collection Date: 3-6-95
Signature: [signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					Remarks (DO NOT BILL TB-LB)
MW-1		3	W	G	12:52	HCL	Yes	X												ANALYZE
MW-2					10:58															
MW-3					11:18															
MW-4					12:16															
MW-5					9:25															
MW-6					11:43															
MW-7					10:15															
MW-8					9:55															
MW-9					11:55															
TB-LB		2			—															

Please Initial: 9
Samples Stored in ice: yes Cold Hand delivered
Appropriate containers
Samples preserved
VOA's without headspace
Comments:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	GR	3/7/95 /1610			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature)		Date/Time
			[signature] 3/7/95 4:10		

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted (circled)
3/6/95

COC-3.DWG/03 91/HCH

Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
6747 SIERRA CT, SUITE G
DUBLIN, CA 945

Date: March 16, 1995

Attn: ARGY LEYTON

Laboratory Number : 80776

Project Number/Name : 5290.80

This report has been reviewed and

approved for release.

Senior Chemist
Account Manager

Certified Laboratories

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Martinez, California 94553
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Superior Precision Analytical, Inc.
A member of ESSCON Environmental Support Service Consortium

GETTLER RYAN INC.
Attn: ARGY LEYTON

Project 5290.80
Reported on March 16, 1995

Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Chronology

Laboratory Number 80776

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
MW-1	03/06/95	03/07/95	03/15/95	03/15/95	BC151.04	01
MW-2	03/06/95	03/07/95	03/14/95	03/14/95	BC141.04	02
MW-3	03/06/95	03/07/95	03/15/95	03/15/95	BC151.04	03
MW-4	03/06/95	03/07/95	03/14/95	03/14/95	BC141.04	04
MW-5	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	05
MW-6	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	06
MW-7	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	07
MW-8	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	08
MW-9	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	09
TB/LB	03/06/95	03/07/95	03/14/95	03/14/95	BC141.05	10

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
BC141.05-01	Method Blank	MB		Water	03/14/95	03/14/95
BC141.05-02	EFFLUENT	MS	80748-03	Water	03/14/95	03/14/95
BC141.05-03	EFFLUENT	MSD	80748-03	Water	03/14/95	03/14/95
BC151.04-01	Method Blank	MB		Water	03/15/95	03/15/95
BC151.04-02	MW-2	MS	80768-01	Water	03/15/95	03/15/95
BC151.04-03	MW-2	MSD	80768-01	Water	03/15/95	03/15/95

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LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80776-01	MW-1	Water	1.0	-
80776-02	MW-2	Water	1.0	-
80776-03	MW-3	Water	1.0	-
80776-04	MW-4	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	80776-01 Conc. ug/L	RL	80776-02 Conc. ug/L	RL	80776-03 Conc. ug/L	RL	80776-04 Conc. ug/L	RL
Gasoline_Range	47000	50	ND	50	1000	50	8900	50
Benzene	9400	0.5	ND	0.5	4.0	0.5	1400	0.5
Toluene	7100	0.5	ND	0.5	9.9	0.5	540	0.5
Ethyl Benzene	750	0.5	ND	0.5	8.8	0.5	350	0.5
Total Xylenes	3400	0.5	ND	0.5	7.7	0.5	940	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	104i		101		198i		115	

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LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80776-05	MW-5	Water	1.0	-
80776-06	MW-6	Water	1.0	-
80776-07	MW-7	Water	1.0	-
80776-08	MW-8	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	80776-05 Conc. ug/L	RL	80776-06 Conc. ug/L	RL	80776-07 Conc. ug/L	RL	80776-08 Conc. ug/L	RL
Gasoline_Range	67	50	360	50	ND	50	ND	50
Benzene	1.9	0.5	2.0	0.5	ND	0.5	ND	0.5
Toluene	2.5	0.5	3.6	0.5	ND	0.5	ND	0.5
Ethyl Benzene	4.7	0.5	0.9	0.5	ND	0.5	ND	0.5
Total Xylenes	19	0.5	2.3	0.5	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<								
Trifluorotoluene (SS)	82		120		95		78	

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LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
80776-09	MW-9	Water	1.0	-
80776-10	TB/LB	Water	1.0	-

R E S U L T S O F A N A L Y S I S

Compound	80776-09 Conc. ug/L	RL	80776-10 Conc. ug/L	RL
Gasoline_Range	6100	50	ND	50
Benzene	1400	0.5	ND	0.5
Toluene	260	0.5	ND	0.5
Ethyl Benzene	420	0.5	ND	0.5
Total Xylenes	1500	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Trifluorotoluene (SS)	73		49	

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 80776
Method Blank(s)

	BC141.05-01		BC151.04-01	
	Conc. ug/L	RL	Conc. ug/L	RL
Gasoline_Range	ND	50	ND	50
Benzene	ND	0.5	ND	0.5
Toluene	ND	0.5	ND	0.5
Ethyl Benzene	ND	0.5	ND	0.5
Total Xylenes	ND	0.5	ND	0.5
>> Surrogate Recoveries (%) <<				
Trifluorotoluene (SS)	99		104	

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Gasoline Range Petroleum Hydrocarbons and BTXE
by EPA SW-846 5030/8015M/8020
Gasoline Range quantitated as all compounds from C6-C10

Quality Assurance and Control Data

Laboratory Number: 80776

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Water Matrix (ug/L)						
BC141.05 02 / 03 - Sample Spiked: 80748 - 03						
Gasoline_Range	ND	270	251/234	93/87	65-135	7
Benzene	ND	20	19.3/19.4	97/97	65-135	0
Toluene	ND	20	20.9/21.3	105/107	65-135	2
Ethyl Benzene	ND	20	21.1/21.9	106/110	65-135	4
Total Xylenes	ND	60	64.4/67.01	107/112	65-135	5
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				95/93	50-150	
For Water Matrix (ug/L)						
BC151.04 02 / 03 - Sample Spiked: 80768 - 01						
Gasoline_Range	ND	270	300/330	111/122	65-135	9
Benzene	ND	20	19.4/19.6	97/98	65-135	1
Toluene	ND	20	21.7/21.7	109/109	65-135	0
Ethyl Benzene	ND	20	22.0/21.9	110/110	65-135	0
Total Xylenes	ND	60	66.5/65.7	111/110	65-135	1
>> Surrogate Recoveries (%) <<						
Trifluorotoluene (SS)				98/101	50-150	

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Narrative:

i - The surrogate recovery was high due to the presence of interfering compounds in the sample.

Definitions:

ND	=	Not Detected			
RL	=	Reporting Limit			
NA	=	Not Analysed			
RPD	=	Relative Percent Difference			
ug/L	=	parts per billion (ppb)	ug/kg	=	parts per billion (ppb)
mg/L	=	parts per million (ppm)	mg/kg	=	parts per million (ppm)

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