



Chevron U.S.A. Inc.

2410 Camino Ramon, San Ramon, California • Phone (415) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

91 OCT 23 11:02

Marketing Department

October 21, 1991

Mr. Ravi Arulananthum
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Station # 9-5542
7007 San Ramon Valley Blvd., Dublin, CA 94568

Dear Mr. Arulananthum:

Enclosed is a report dated October 15, 1991 which was prepared by Chevron's consultant, Sierra Environmental Services (Sierra), to describe groundwater monitoring which occurred on September 20 and October 4, 1991 at the site referenced above.

Chevron will continue its program of quarterly groundwater monitoring at the site. Chevron's environmental consultant, Gettler-Ryan, will install an additional downgradient groundwater monitoring well in an effort to define the extent of dissolved hydrocarbons in the groundwater. The workplan for this project has been submitted, and Gettler-Ryan is in the process of applying for the necessary permits. In addition, Chevron has been discussing remediation strategies with the environmental consulting firm, Geraghty and Miller.

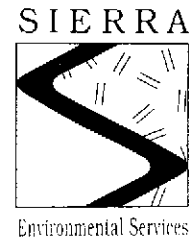
If you have any questions or comments, you may contact me at (510) 842-8658.

Sincerely,

Clint B. Rogers
Environmental Engineer

Enclosure

cc: Richard Hiatt, San Francisco Bay RWQCB, Oakland, CA
Jeff Monroe, Gettler-Ryan, Hayward, CA
Tom Howard, Geraghty and Miller, Richmond, CA
Mary Diamond, See's Candy, 3423 s. La Cienega Blvd., Los Angeles, CA 90016-4401
Real Estate Dept., See's Candy, 210 El Camino Real, South San Francisco, CA 94080



October 15, 1991

Clint Rogers
Chevron USA
P.O. Box 5004
San Ramon, CA 94583

Re: Chevron Service Station #9-5542
7007 San Ramon Road
Dublin, California
SES Project #1-214-04

Dear Mr. Rogers:

This report presents the results of the quarterly ground water sampling at Chevron Service Station #9-5542, located at 7007 San Ramon Road in Dublin, California (Figure 1, Appendix A). Seven wells, MW-1 through MW-7, were sampled (Figure 2, Appendix A).

On September 20 and October 4, 1991, SES personnel visited the site. Water level measurements were collected from all wells and all wells were checked for presence of free-phase hydrocarbons. Free-phase hydrocarbons were not present in any of the site wells. Water level data are shown in Table 1 (Appendix B) and a ground water elevation contour map is included as Figure 2 (Appendix A).

The ground water samples were collected on September 20, 1991 in accordance with SES Standard Operating Procedure - Ground Water Sampling (Appendix C). All analyses were performed by Superior Analytical Laboratory of Martinez, California. Analytic results for ground water are presented in Table 2 (Appendix B). The chain of custody document and laboratory analytic reports are included in Appendix D. SES is not responsible for laboratory omissions or errors.

Thank you for allowing us to provide services to Chevron. Please call if you have any questions.

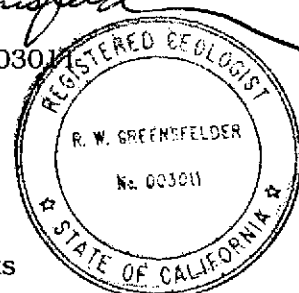
Sincerely,
Sierra Environmental Services

A handwritten signature in cursive script that reads "Sharon Halper".

Sharon Halper
Senior Project Geologist

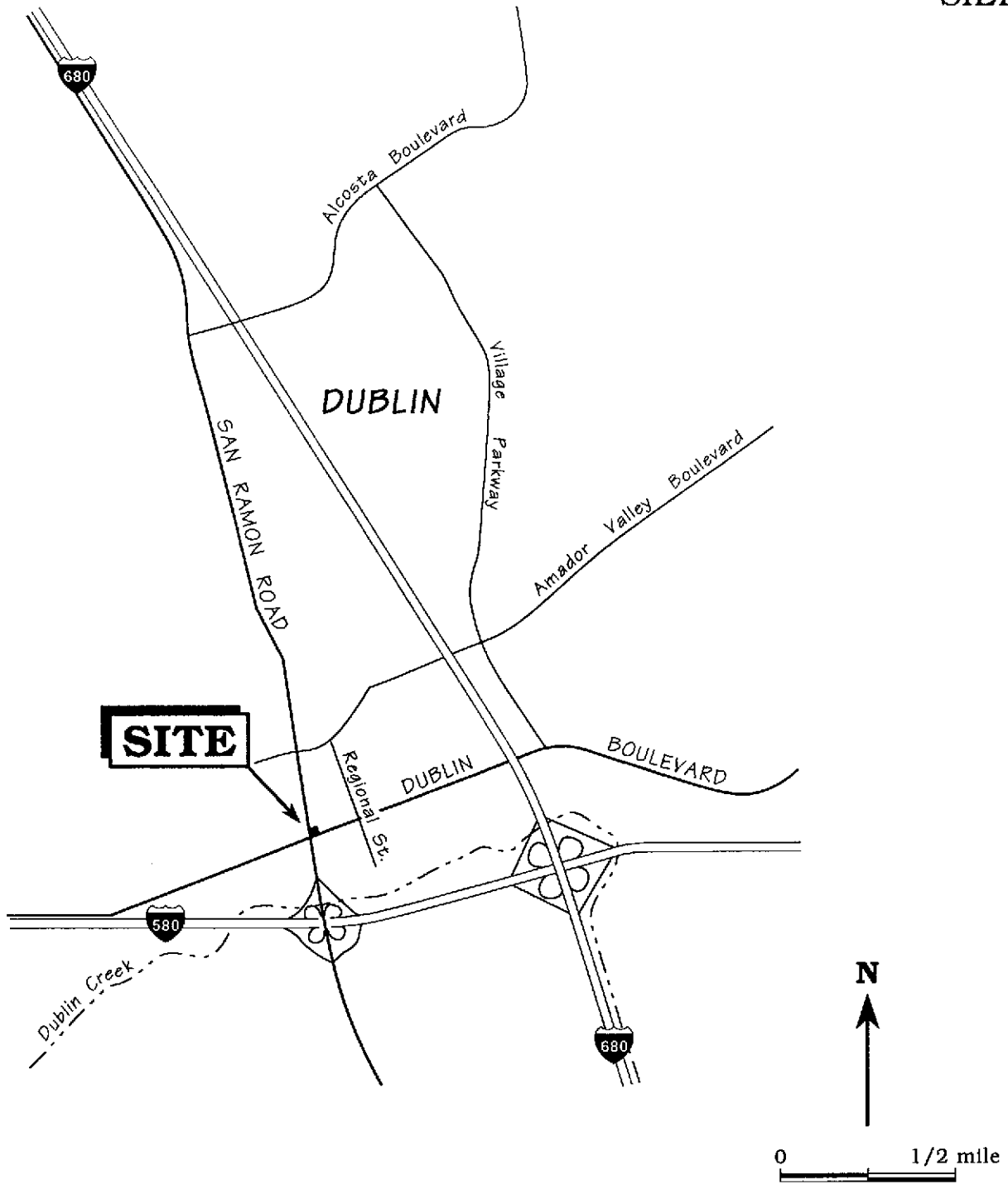
A handwritten signature in cursive script that reads "Roger Greensfelder".

Dr. Roger Greensfelder
Registered Geologist #003011



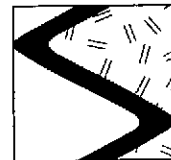
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Appendices A - Figures
 B - Tables
 C - SES Standard Operating Procedure
 D - Chain of Custody Document and Laboratory Analytic Reports

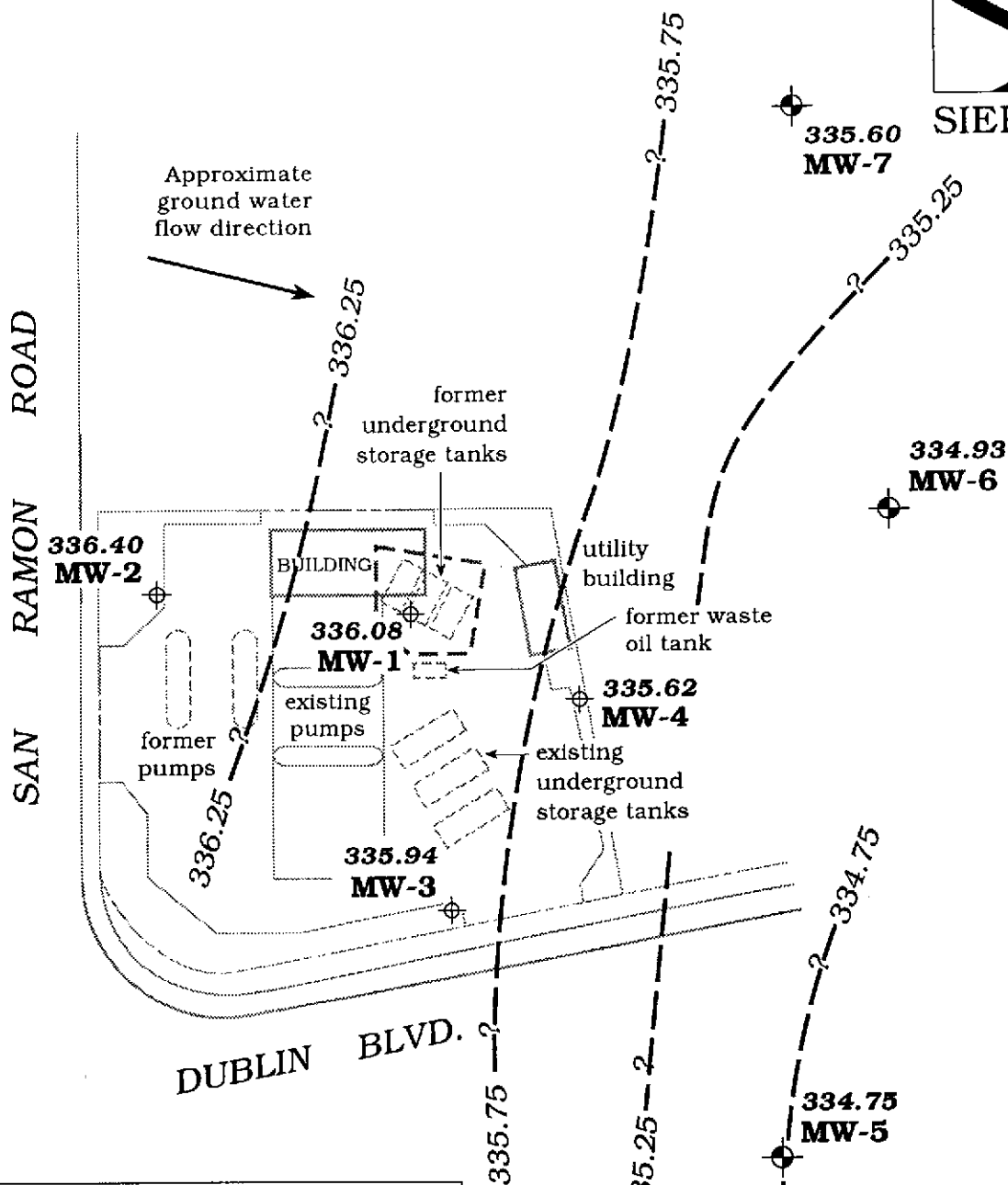


Base map ref: California State Automobile Association (AAA)

Figure 1. Site Location Map - Chevron Service Station #9-5542 - 7007 San Ramon Road, Dublin, California

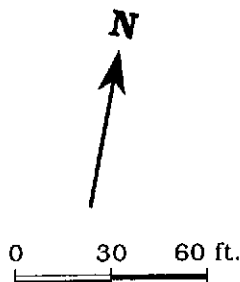


SIERRA



EXPLANATION

- MW-4** Existing monitoring well
- MW-7** Monitoring well installed by SES
- 335.60** Ground water elevation, in feet
- 335.75** Ground water elevation contour, dashed where inferred, queried where uncertain
- Excavated area



Base map after Chemical Processors, Inc.

Figure 2. Monitoring Well Location and Ground Water Elevation Contour Map - October 4, 1991 - Chevron Service Station #9-5542 - 7007 San Ramon Road, Dublin, California



Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Well ID	Date Measured	DTW (ft)	TOC* (ft)	GWE (msl)	Product Thickness** (ft)	Screen Interval -----feet below grade-----	Sand Pack Interval	Bentonite/Grout Interval
MW-1	5/31/91	25.67	363.98	338.31	0	20.0 - 35.0	19.5 - 35.5	0 - 19.5
	6/21/91	26.23		337.75	0			
	7/17/91	26.53		337.45	0			
	10/4/91	27.90		336.08	0			
MW-2	5/31/91	25.51	364.19	338.68	0	22.0 - 37.0	20.0 - 37.0	0 - 20.0
	6/21/91	26.13		338.06	0			
	7/17/91	26.46		337.73	0			
	10/4/91	27.79		336.40	0			
MW-3	5/31/91	23.20	361.92	338.72	0	20.0 - 35.0	19.0 - 35.0	0 - 19.0
	6/21/91	24.13		337.79	0			
	7/17/91	24.59		337.73	0			
	9/20/91	25.98		335.94	0			
MW-4	5/31/91	24.67	362.70	338.03	0	20.0 - 35.0	19.0 - 35.0	0 - 19.0
	6/21/91	25.31		337.39	0			
	7/17/91	25.73		336.97	0			
	10/4/91	27.08		335.62	0			
MW-5	6/21/91	23.17	359.95	336.78	0	21.0 - 36.0	19.5 - 36.0	0 - 19.5
	7/17/91	23.68		336.27	0			
	10/4/91	25.20		334.75	0			
MW-6	6/21/91	23.55	360.22	336.67	0	20.0 - 35.0	18.5 - 35.0	0 - 18.5
	7/17/91	24.00		336.22	0			
	10/4/91	25.29		334.93	0			



Table 1. Water Level Data and Well Construction Details - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Well ID	Date Measured	DTW (ft)	TOC* (ft)	GWE (msl)	Product Thickness** (ft)	Screen Interval ←-----feet below grade-----→	Sand Pack Interval	Bentonite/Grout Interval
MW-7	6/21/91	23.45	360.63	337.18	0	20.0 - 35.0	18.5 - 35.0	0 - 18.5
	7/17/91	23.90		336.73	0			
	10/4/91	25.03		335.60	0			

EXPLANATION:

DTW = Depth to water
 TOC = Top of casing elevation
 GWE = Ground water elevation
 msl = Measurements referenced relative to mean sea level

NOTES:

Well construction details for MW-1 through MW-4 were compiled from a draft report prepared by Chempro, undated.

* Top of casing elevations were surveyed by Ron Miller, Professional Engineer #15816, June 26, 1991.

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



Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California

Sample ID	Date	Analytic Method	Analytic Lab	TPPH(G)	O&G	B	T	E	X	HVOCs	1,2-DCA	EDB	OL
				-----ppb----->									
MW-1 (D)	4/3-4/90	*	8015/602/504	46,000	---	8,400	7,400	860	5,600	---	---	1.04	---
	4/3-4/90	*	8015/602/504	43,000	---	8,400	7,200	840	5,200	---	---	1.1	---
	5/31/91	SAL	8015/8020/8010	31,000	---	7,400	2,500	630	2,100	ND	2	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020/8010	31,000	---	3,000	2,800	610	3,100	ND	0.6	---	---
MW-2	4/3-4/90	*	8015/602/504	<50	---	<0.3	<0.3	<0.3	<0.6	---	---	<0.02	---
	5/31/91	SAL	8015/8020/8010	100	---	3.1	4.2	0.7	2.0	ND	<0.5	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020	68	---	1.3	1.6	0.8	3.0	---	---	---	---
MW-3	4/3-4/90	*	8015/602/504	2,200	---	36	5	6	17	---	---	<0.02	---
	5/31/91	SAL	8015/8020/8010	2,200	---	130	11	31	78	ND	19	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020	2,200	---	190	6.0	24	32	---	---	---	---
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	---	---	---	---	---
	5/31/91	SAL	8015/8020/8010	34,000	---	2,900	2,900	680	3,300	ND	<0.5	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	5/31/91	SAL	503E	---	<5,000	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020/8010	37,000	---	4,000	3,200	580	3,000	ND	9.2	---	---
MW-5	6/21/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	ND	---	---	<4,000
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020	170¹	---	0.8	0.9	<0.5	1.5	---	---	---	---
MW-6	6/21/91	SAL	8015/8020	3,700	---	50	2.6	150	340	---	<0.5	---	---
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	ND	---	---	<4,000
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020	3,200	---	28	<0.5	140	100	---	---	---	---
MW-7	6/21/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	<0.5	---	---
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	ND	---	---	<4,000
	6/21/91	SAL	8010/LUFT	---	---	---	---	---	---	---	---	---	---
	9/20/91	SAL	8015/8020	69	---	4.4	3.3	1.2	3.9	---	---	---	---
Trip Blank (MW-AA)	5/31/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/20/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---



Table 2. Analytic Results for Ground Water - Chevron Service Station #9-5542, 7007 San Ramon Road, Dublin, California (continued)

Sample ID	Date	Analytic Method	Analytic Lab	←-----ppb-----→									
				TPPH(G)	O&G	B	T	E	X	HVOCs	1,2-DCA	EDB	OL
Bailer Blank (MW-BB)	5/31/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/20/91	SAL	8015/8020	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
DHS MCLs	---	---	---	NE	NE	1	---	680	1,750	***	0.5	0.02	NE
DHS RALs	---	---	---	---	NE	---	100	---	---	***	---	---	NE

EXPLANATION:

ANALYTIC METHODS:

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
 ND = Not detected at detection limits of 0.5 to 1 ppb
 --- = Not analyzed/not applicable
 DHS = Department of Health Services
 MCLs = Maximum Contaminant Levels
 RALs = Recommended Action Levels
 NE = Not established
 D = duplicate sample

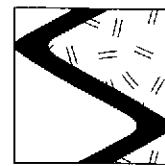
8015 = EPA Method 8015/5030 for TPPH(G)
 602 = EPA Method 602 for BTEX
 504 = EPA Method 504 for EDB
 503E = Standards Methods Method 503E for O&G
 8020 = EPA Method 8020 for BTEX
 8010 = EPA Method 8010 for HVOCs
 413.1 = EPA Method 413.1 for total O&G
 624 = EPA Method 624 for BTEX and VOCs
 LUFT = DHS LUFT Manual method for OL

ANALYTIC LABORATORY:

SAL = Superior Analytic Laboratory of San Francisco and Martinez, California

NOTES:

- Well locations are shown on Figure 5 (Appendix A)
- * Analytic data was compiled from a draft report prepared by Chempro, undated. Analytic laboratory was not shown.
- ** 624 compounds other than BTE were not reported
- *** DHS MCLs and RALs for HVOCs vary
- ¹ A non-standard gasoline pattern was observed in the chromatogram.



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APPENDIX C
SIERRA ENVIRONMENTAL SERVICES
STANDARD OPERATING PROCEDURE



SES STANDARD OPERATING PROCEDURE

GROUND WATER SAMPLING

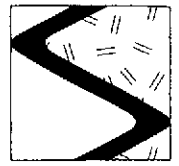
The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 foot) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of four well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed $\pm 0.5^{\circ}\text{F}$, 0.1 or 5%, respectively).

The purge water is stored temporarily on-site in 55-gallon Department of Transportation-approved drums pending analytic results. The drums are labeled with the date, contents, the SES field personnel initials and SES phone number.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C with blue ice or ice) for transport under chain-of-custody to the laboratory.



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The chain-of-custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

GWTRSAMP.SOP



APPENDIX D
CHAIN OF CUSTODY DOCUMENT AND
LABORATORY ANALYTIC REPORTS



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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

LABORATORY NO.: 12372
CLIENT: Sierra Environmental Services
CLIENT JOB NO.: 1-214-04

DATE RECEIVED: 09/20/91
DATE REPORTED: 09/30/91

Page 1 of 2

Lab Number	Customer Sample Identification	Date Sampled	Date Analyzed
12372- 1	AA	09/20/91	09/25/91
12372- 2	BB	09/20/91	09/25/91
12372- 3	MW-5	09/20/91	09/25/91
12372- 4	MW-7	09/20/91	09/25/91
12372- 5	MW-2	09/20/91	09/25/91
12372- 6	MW-3	09/20/91	09/25/91
12372- 7	MW-6	09/20/91	09/25/91
12372- 8	MW-1	09/20/91	09/25/91
12372- 9	MW-4	09/20/91	09/26/91

Laboratory Number:	12372 1	12372 2	12372 3	12372 4	12372 5
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ANALYTE LIST	Amounts/Quantitation Limits (ug/L)				
OIL AND GREASE:	NA	NA	NA	NA	NA
TPH/GASOLINE RANGE:	ND<50	ND<50	170*	69	68
TPH/DIESEL RANGE:	NA	NA	NA	NA	NA
BENZENE:	ND<0.5	ND<0.5	0.8	4.4	1.3
TOLUENE:	ND<0.5	ND<0.5	0.9	3.3	1.6
ETHYL BENZENE:	ND<0.5	ND<0.5	ND<0.5	1.2	0.8
XYLENES:	ND<0.5	ND<0.5	1.5	3.9	3.0

Laboratory Number:	12372 6	12372 7	12372 8	12372 9
--------------------	------------	------------	------------	------------

ANALYTE LIST	Amounts/Quantitation Limits (ug/L)			
OIL AND GREASE:	NA	NA	NA	NA
TPH/GASOLINE RANGE:	2200	3200	31000	37000
TPH/DIESEL RANGE:	NA	NA	NA	NA
BENZENE:	190	28	3000	4000
TOLUENE:	6.0	ND<0.5	2800	3200
ETHYL BENZENE:	24	140	610	580
XYLENES:	32	100	3100	3000



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

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2
QA/QC INFORMATION
SET: 12372

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/l = part per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA-SW846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/l
Standard Reference: NA

EPA-SW846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/l
Standard Reference: 07/23/91

SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/l
Standard Reference: 06/13/91

ANALYTE	REFERENCE	SPIKE LEVEL	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Oil & Grease	NA	NA	NA	NA	NA
Diesel	NA	NA	NA	NA	NA
Gasoline	07/23/91	200ng	95/94	1.8	59-121
Benzene	06/13/91	200ng	95/97	2.1	70-125
Toluene	06/13/91	200ng	92/94	2.2	74-116
Ethyl Benzene	06/13/91	200ng	92/95	2.7	75-120
Total Xylene	06/13/91	600ng	99/102	2.2	75-119

*Gasoline range concentration reported. A non-standard gasoline pattern was observed in the chromatogram.

Richard Srna, Ph.D.

Omig A. N. [Signature]
Laboratory Director



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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

LABORATORY NO.: 12372-8
CLIENT: Sierra Environmental
Services
JOB NO.: 1-214-04

DATE SAMPLED: 09/20/91
DATE RECEIVED: 09/20/91
DATE ANALYZED: 09/30/91

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: MW-1

Compound	MDL (ug/L)	RESULTS (ug/l)
Chloromethane/Vinyl Chloride	1.0	ND
Bromomethane/Chloroethane	1.0	ND
Trichlorofluoromethane	0.5	ND
1,1-Dichloroethene	0.5	ND
Methylene Chloride	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,1-Dichloroethane	0.5	ND
Chloroform	0.5	ND
1,1,1-Trichloroethane	0.5	ND
Carbon tetrachloride	0.5	ND
1,2-Dichloroethane	0.5	0.6
Trichloroethylene	0.5	ND
1,2-Dichloropropane	0.5	ND
Bromodichloromethane	0.5	ND
Cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Tetrachloroethene	0.5	ND
Dibromochloromethane	0.5	ND
Chlorobenzene	0.5	ND
Bromoform	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Cis-1,2-Dichloroethene	0.5	ND

MDL = Method Detection Limit

ug/l = parts per billion (ppb)

QA/QC Summary: Daily Standard RPD = <15

MS/MSD average recovery = 81 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

Cecilia G. Jouzini (for)
Laboratory Director



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

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

LABORATORY NO.: 12372- 9
CLIENT: Sierra Environmental
Services
JOB NO.: 1-214-04

DATE SAMPLED: 09/20/91
DATE RECEIVED: 09/20/91
DATE ANALYZED: 09/30/91

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE: MW-4

Compound	MDL (ug/L)	RESULTS (ug/l)
Chloromethane/Vinyl Chloride	1.0	ND
Bromomethane/Chloroethane	1.0	ND
Trichlorofluoromethane	0.5	ND
1,1-Dichloroethene	0.5	ND
Methylene Chloride	0.5	ND
trans-1,2-Dichloroethene	0.5	ND
1,1-Dichloroethane	0.5	ND
Chloroform	0.5	ND
1,1,1-Trichloroethane	0.5	ND
Carbon tetrachloride	0.5	ND
1,2-Dichloroethane	0.5	9.2
Trichloroethylene	0.5	ND
1,2-Dichloropropane	0.5	ND
Bromodichloromethane	0.5	ND
Cis-1,3-Dichloropropene	0.5	ND
trans-1,3-Dichloropropene	0.5	ND
1,1,2-Trichloroethane	0.5	ND
Tetrachloroethene	0.5	ND
Dibromochloromethane	0.5	ND
Chlorobenzene	0.5	ND
Bromoform	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND
1,3-Dichlorobenzene	0.5	ND
1,2-Dichlorobenzene	0.5	ND
1,4-Dichlorobenzene	0.5	ND
Cis-1,2-Dichloroethene	0.5	ND

MDL = Method Detection Limit

ug/l = parts per billion (ppb)

QA/QC Summary: Daily Standard RPD = <15

MS/MSD average recovery = 81 % :MS/MSD RPD = < 2 %

Richard Srna, Ph.D.

Cecilia J. Gonzalez (for)
Laboratory Director