

1R - 280

REPORTS

DATE:

6/99



**Safety & Environmental
Solutions, Inc.**

COPY

Chevron USA

**Dynegy – Monument Site
Monitor Well Report
Lea County, New Mexico**

June 8, 1999

RECEIVED
JUL 26 1999
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

*Safety & Environmental Solutions, Inc.
703 E. Clinton Suite 103
Hobbs, New Mexico 88240
(505) 397-0510*

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I. Background

The subject property is located in Lea County approximately 5 miles southwest of Monument, New Mexico. Mr. James Cooper currently owns the surface rights of the property and the mineral rights are under lease to Chevron. The property has been the site of condensate/liquid product leaks from a pipeline previously operated by Warren Petroleum as well as an abandoned burn pit.

Safety & Environmental Solutions, Inc. (SESI) performed sampling and data collection on the six (6) ground water monitor wells at the site (See Vicinity Map). The casing size in all wells is 2".

II. Work Performed

On March 19, 1999, SESI environmental technician Beth Aldrich and environmental supervisor Bob Allen arrived at the site. Field measurements were taken of the distances between each well and of the level of free product encountered in the center well utilizing a Solinst Oil/Water Interface Probe. The thickness of the level of free product was found to be 8.85'.

SESI environmental technician Dee Whatley and environmental supervisor Bob Allen arrived at the site on April 8, 1999. Ground water samples were taken from each well after hand bailer was used to develop the wells. Three to five casing volumes of water were removed from each well until pH and temperature of the water were stabilized. The development water was stored in a 400-gallon drum under the custody of Safety & Environmental Solutions, Inc. for disposal upon completion of analytical testing. Upon approval for disposal by the New Mexico Oil Conservation Division (NMOCD), the water was disposed of at the Parabo facility of Sundance Services, a NMOCD approved disposal site (See Approval to Accept Waste). The samples were obtained and placed in appropriate containers, preserved and transported under chain of custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. The analyses requested by Chevron USA Permian included the NMWQCC standards. (See Analytical Data)

In addition to the sampling, SESI also measured the depth to the top of the water table and the total depth of each well. The depth to the top of ground water was measured using a Solinst water level indicator. The total depth of each well was measured in order to compute the proper casing volumes. A summary of this data follows:

post
results

ID	Date	Depth to Water	Water Elevation	Free Product Thickness
MW – 1	4/8/99	36.67'	49.34'	0.00
MW – 2	4/8/99	35.82'	46.01'	0.00
MW – 3	4/8/99	35.71'	47.36'	0.00
MW – 4	4/8/99	36.20'	37.90'	0.00
MW – 5	4/8/99	36.05'	45.41'	0.00
MW – 6	4/8/99	36.21'	44.94'	0.00

III. Analytical Results

The analysis of the groundwater samples performed by Cardinal Laboratories are summarized as follows:

Contaminant	WQCC Standard	MW #1	MW #2	MW #3	MW #4	MW #5	MW #6
Arsenic	0.1 ppm	<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm	<0.1ppm
Barium	1.0 ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm
Cadmium	0.01 ppm	<.01ppm	<.01ppm	<.01ppm	<.01ppm	<.01ppm	<.01ppm
Chloride	250.0 ppm	2291ppm	1395ppm	948ppm	1893ppm	2092ppm	785ppm
Chromium	0.05 ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm
Copper	1.0 ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm
Cyanide	0.2 ppm	<.02ppm	<.02ppm	<.02ppm	<.02ppm	<.02ppm	<.02ppm
Fluoride	1.6 ppm	2.04ppm	2.01ppm	2.12ppm	2.12ppm	2.32ppm	2.30ppm
Iron	1.0 ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm
Lead	0.05 ppm	.261ppm	.195ppm	.242ppm	.239ppm	.264ppm	.208ppm
Manganese	0.2 ppm	<0.2ppm	.225ppm	<0.2ppm	.475ppm	.476ppm	<0.2ppm
Mercury	0.002 ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm
Nitrate	10.0 ppm	0.22ppm	<.02ppm	<.02ppm	<.02ppm	1.92ppm	0.13ppm
Phenols	0.005 ppm	<.005ppm	<.005ppm	<.005ppm	<.005ppm	<.005ppm	<.005ppm
Selenium	0.05 ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm	<.05ppm
Silver	0.05 ppm	.067ppm	.060ppm	.053ppm	.059ppm	.061ppm	.056ppm
Sulfate	600 ppm	1837ppm	508ppm	505ppm	651ppm	2278ppm	399ppm
Zinc	10.0 ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm	<1.0ppm
TDS	1000 ppm	6910ppm	4060ppm	3700ppm	6200ppm	7260ppm	2800ppm
PH	> 6 & <9	7.44	7.60	7.32	7.51	7.23	7.61
PAH	0.03 ppm	<.006ppm	<.006ppm	<.006ppm	<.007ppm	<.005ppm	<.005ppm
PCBs	.001 ppm	<.001ppm	<.001ppm	<.001ppm	<.001ppm	<.001ppm	<.001ppm
Benzo-a-pyrene	0.0007 ppm	<.0007 ppm	<.0007 ppm	<.0007 ppm	<.0007 ppm	<.0007 ppm	<.0007 ppm
Benzene	0.01 ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	.003ppm	<.002ppm
Toluene	0.75 ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	.003ppm
Ethyl Benzene	0.75 ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm	<.002ppm
Total Xylenes	0.62 ppm	<.006ppm	<.006ppm	<.006ppm	<.006ppm	<.006ppm	<.002ppm

SAMPLE _ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)
MW - 1	1487	352	304	13.22	0	293
MW - 2	939	102	156	8.92	0	556
MW - 3	559	126	215	11.5	0	693
MW - 4	1005	192	319	18.12	0	800
MW - 5	1590	272	401	18.86	0	600
MW - 6	446	133	122	6.49	0	356

IV. Figures and Appendices

Figures:

Vicinity Map

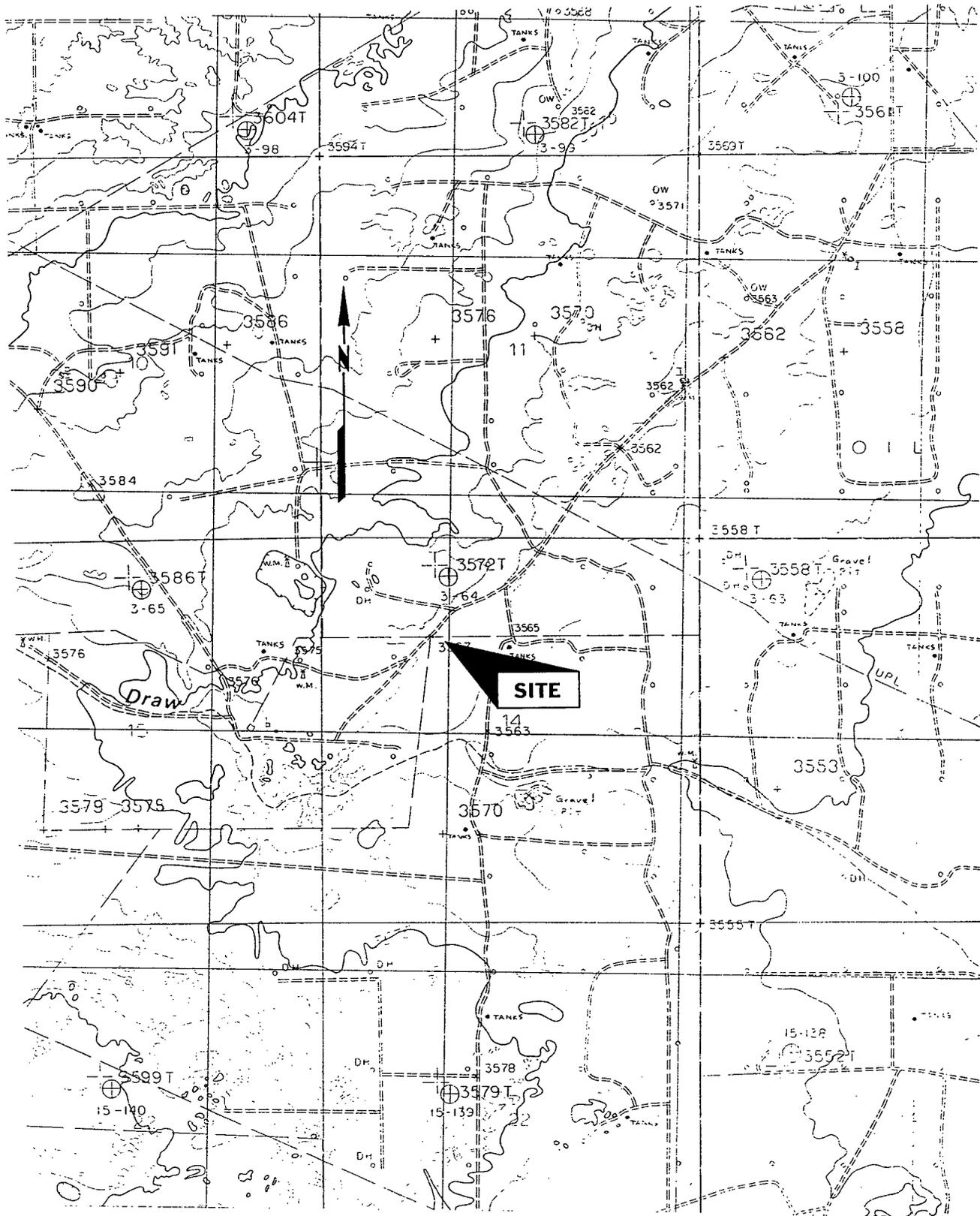
Appendices:

NMOCD Request For Approval to Accept Solid Waste

Sundance Services Transport Ticket

Analytical Results

Figure 1
Vicinity Map



*Chevron USA
Production*

**Dynegy - Monument
Vicinity Map**

*Safety & Environmental
Solutions, Inc.
Hobbs, NM*

Appendix A
NMOCD Acceptance Form

Hobbs, NM 88241-1980
District II - (505) 748-1283
311 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAY 27 1999
Environmental Bureau
Oil Conservation Division

Originated &
Submit Orig.
Plus 1 C
to approp.
District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Chevron/Dynegy
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site Monument Monit Wells
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 882318, State NEW MEXICO	
7. Location of Material (Street Address or ULSTR) North Half of Section 14 Township 26 S Range 36 E	
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.	
<input checked="" type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.	
All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

The following analytical results are for Chevron Monument Wells. This waste is generated by ground water developing in these monitor wells. I have included a certificate of waste status and chain of custody. Sundance would like approval to accept this waste into our Parabo Disposal Facility.

Estimated Volume 100 gallons cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach TITLE: OFFICE MGR DATE: 5-10-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)
APPROVED BY: Donna Williams TITLE: Environmental Engineer DATE: 5-13-99
APPROVED BY: Misty J. Kelly TITLE: Environmental Geology SL DATE: 5-20-99

Appendix B
Transporter Receipt

Sundance Services, Inc.

P.O. Box 1737 ★ Eunice, NM 88231
(505) 394-2511

NE 20183

LEASE OPERATOR/SHIPPER/COMPANY: *Chevron Energy*

LEASE NAME: *Monument Monitor wells*

TRANSPORTER COMPANY: *Safety Services, Inc.* TIME: *12:30 AM/PM*

DATE: *6-1-99* VEHICLE NO.: *#4* DRIVER NO.:

CHARGE TO: *Energy*

TYPE OF MATERIAL

- | | | |
|---|--|--|
| <input type="checkbox"/> Production Water | <input type="checkbox"/> Drilling Fluids | <input type="checkbox"/> Completion Fluids |
| <input type="checkbox"/> Tank Bottoms | <input type="checkbox"/> Contaminated soil | <input type="checkbox"/> C-117 No.: _____ |
| <input checked="" type="checkbox"/> Other Material: | <input type="checkbox"/> BS&W Content: _____ | |

Description: *crude oil*
100 gallons

VOLUME OF MATERIAL BBLs. *100 gallons* YARD _____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____
(SIGNATURE)

FACILITY REPRESENTATIVE: *Billy Poach*
(SIGNATURE)

Appendix C
Analytical Results



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

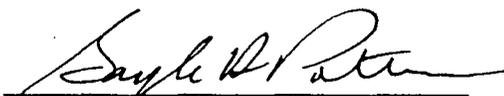
ATTN: BOB ALLEN
701 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ mhos/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		04/12/99	04/12/99	04/12/99	04/09/99	04/09/99	04/12/99
H4097-1	MW-1	1487	352	304	13.22	10800	240
H4097-2	MW-2	939	102	156	8.92	5690	456
H4097-3	MW-3	559	126	215	11.5	5970	568
H4097-4	MW-4	1005	192	319	18.12	8800	656
H4097-5	MW-5	1590	272	401	18.86	11380	492
H4097-6	MW-6	446	133	122	6.49	4100	292
Quality Control		NR	48	51	4.96	1402	NR
True Value QC		NR	50	50	5.00	1413	NR
% Accuracy		NR	96	102	99	99	NR
Relative Percent Difference		NR	0	2.6	-	0.1	NR
METHODS:		SM3500-Ca-D		3500-Mg E	8049	120.1	310.1

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)	
ANALYSIS DATE:		04/12/99	04/12/99	04/12/99	04/12/99	04/09/99	04/12/99	
H4097-1	MW-1	2291	1837	0	293	7.44	6910	
H4097-2	MW-2	1395	508	0	556	7.60	4060	
H4097-3	MW-3	948	505	0	693	7.32	3700	
H4097-4	MW-4	1893	651	0	800	7.51	6200	
H4097-5	MW-5	2092	2278	0	600	7.23	7260	
H4097-6	MW-6	785	399	0	356	7.61	2800	
Quality Control		1255	47.69	112	221	7.02	NR	
True Value QC		1319	50.00	124	259	7.00	NR	
% Accuracy		95	95	90	85	100	NR	
Relative Percent Difference		1.0	2.5	-	-	5.7	1.2	
METHODS:		SM4500-Cl-B		375.4	310.1	310.1	150.1	160.1


Chemist

04/14/99
Date

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**ARDINAL
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 W. CLINTON ST. SUITE 103
HOBBS, NM 88240

Receiving Date: 04/08/99
Reporting Date: 04/14/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM

FAX TO:

Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL AND INTACT
Sample Received By: GP
Analyzed By: AH/GP

TOTAL METALS

LAB NUMBER	SAMPLE ID	Cu (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)
ANALYSIS DATE:		04/14/99	04/14/99	04/14/99	04/14/99
H4097-1	MW-1	<1	<1	<0.2	<1
H4097-2	MW-2	<1	<1	0.225	<1
H4097-3	MW-3	<1	<1	<0.2	<1
H4097-4	MW-4	<1	<1	0.475	<1
H4097-5	MW-5	<1	<1	0.476	<1
H4097-6	MW-6	<1	<1	<0.2	<1
Quality Control		1.937	1.983	0.995	0.520
True Value QC		2.000	2.000	1.000	0.500
% Recovery		97	99	100	104
Relative Percent Difference		0.56	1.88	1.99	1.22
METHODS: EPA 600/04-79-020		220.1	236.1	243.1	289.1


Chemist

04/15/99
Date

H4097M2.XLS

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ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 W. CLINTON ST. SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/15/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM

Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL AND INTACT
 Sample Received By: GP
 Analyzed By: AH/GP

RCRA METALS

LAB NUMBER SAMPLE ID As Ag Ba Cd Cr Pb Hg Se
 ppm ppm ppm ppm ppm ppm ppm ppm

ANALYSIS DATE:	04/13/99	04/14/99	04/14/99	04/14/99	04/14/99	04/14/99	04/15/99	04/14/99
H4097-1 MW-1	<0.1	0.067	<1	<0.01	<0.05	0.261	<0.002	<0.05
H4097-2 MW-2	<0.1	0.060	<1	<0.01	<0.05	0.195	<0.002	<0.05
H4097-3 MW-3	<0.1	0.053	<1	<0.01	<0.05	0.242	<0.002	<0.05
H4097-4 MW-4	<0.1	0.059	<1	<0.01	<0.05	0.239	<0.002	<0.05
H4097-5 MW-5	<0.1	0.061	<1	<0.01	<0.05	0.264	<0.002	<0.05
H4097-6 MW-6	<0.1	0.056	<1	<0.01	<0.05	0.208	<0.002	<0.05
Quality Control	0.201	1.020	19.69	0.506	0.046	2.999	0.0095	0.051
True Value QC	0.200	1.000	20.00	0.500	0.050	3.000	0.0100	0.050
% Recovery	101	102	98	101	92	100	95	102
Relative Percent Difference	2.77	0.83	0.28	1.27	4.49	1.38	2.4	3.6

METHODS: EPA 600/4-79-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
METHODS: SW-846	7060A	7760A	7080A	7130	7190	7420	7470A	7740

Gayle A. Ritten
 Chemist

04/15/99
 Date

H4097M1.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST, SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/13/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM

Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: AH

LAB NUMBER SAMPLE ID	F ⁻	NO ₃ ⁻	CN
ANALYSIS DATE	04/09/99	04/09/99	04/13/99
H4097-1 MW-1	2.04	0.22	<0.02
H4097-2 MW-2	2.01	<0.2	<0.02
H4097-3 MW-3	2.12	<0.2	<0.02
H4097-4 MW-4	2.12	<0.2	<0.02
H4097-5 MW-5	2.32	1.92	<0.02
H4097-6 MW-6	2.30	0.13	<0.02
Quality Control	0.95	10.01	0.190
True Value QC	1.00	10.00	0.200
% Accuracy	95	100	95
Relative Percent Difference	3.2	8.1	5.3
METHODS: EPA 600/4-79-020	340.1	353.3	335.2


 Chemist

04/14/99
 Date

H4097-2.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/13/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Sample ID: MW-1
 Lab Number: H4097-1

Analysis Date: 04/13/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
H4097-1					
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

% Recovery	
Nitrobenzene-d5	67
2-Fluorobiphenyl	83
Terphenyl-d14	112

METHOD: SW-846 3550, 8270

Bryan L. Cooke
 Chemist

4/13/99
 Date

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ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.**

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-1
Sample ID: MW-1

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

SEMIVOLATILES - PHENOLS (mg/L)	Sample Result H4097-1	Method Blank	True Value		
			QC	%Recov.	QC
1 Phenol	<0.002	<0.002	0.036	72	0.050
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050
Total Phenols		<0.005			

% Recovery

18 2-Fluorophenol	62
19 Phenol-d5	55
20 2,4,6-Tribromophenol	96

METHODS: EPA 625/SW-846 8270

Burgess J. A. Cooke

Burgess J. A. Cooke, Ph. D.

4/13/99

Date



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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT
Lab Number: H4097-1
Sample ID: MW-1

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-1	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	0.002	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	67
20 2-Fluorobiphenyl	83
21 Terphenyl-d14	112

METHODS: EPA 625

Burgess A. Cooke
Burgess A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/10/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Lab Number: H4097-1
 Sample ID: MW-1

Analysis Date: 04/09/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

VOLATILES (mg/L)	Sample Result	Method Blank	True Value		
			QC	%Recov.	QC
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.003	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	<0.002	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	<0.002	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,2,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	97
Toluene-d8	99
Bromofluorobenzene	101

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.

Burgess J. A. Cooke, Ph. D.

4/10/99
 Date



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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

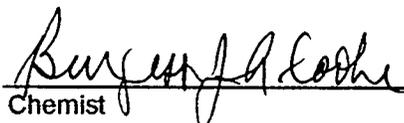
Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Sample ID: MW-2
Lab Number: H4097-2

Analysis Date: 04/13/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
	H4097-2				
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

	% Recovery
Nitrobenzene-d5	66
2-Fluorobiphenyl	86
Terphenyl-d14	103

METHOD: SW-846 3550, 8270


Chemist

4/13/99
Date



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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

FAX TO:

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-2
Sample ID: MW-2

SEMIVOLATILES - PHENOLS (mg/L)	Sample Result	Method	True Value		
	H4097-2	Blank	QC	%Recov.	QC
1 Phenol	0.002	<0.002	0.036	72	0.050
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050
Total Phenols		<0.005			

% Recovery

18 2-Fluorophenol	32
19 Phenol-d5	29
20 2,4,6-Tribromophenol	58

METHODS: EPA 625/SW-846 8270


Burgess J.A. Cooke, Ph. D.

4/13/99
Date



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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-2
Sample ID: MW-2

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

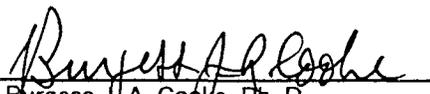
POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-2	Method Blank	True Value		
			QC	% Recov.	QC
1 Naphthalene	0.004	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	66
20 2-Fluorobiphenyl	86
21 Terphenyl-d14	103

METHODS: EPA 625


Burgess J. A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/10/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Lab Number: H4097-2
 Sample ID: MW-2

Analysis Date: 04/09/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

VOLATILES (mg/L)	Sample Result	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.002	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	<0.002	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	<0.002	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,2,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	86
Toluene-d8	91
Bromofluorobenzene	92

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.


 Burgess J. A. Cooke, Ph. D.

4/10/99
 Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

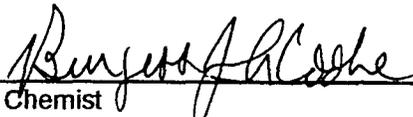
Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Sample ID: MW-3
Lab Number: H4097-3

Analysis Date: 04/13/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
H4097-3					
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

% Recovery	
Nitrobenzene-d5	79
2-Fiuorobiphenyl	98
Terphenyl-d14	108

METHOD: SW-846 3550, 8270


Chemist

4/13/99
Date



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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON, SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-3
Sample ID: MW-3

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

SEMIVOLATILES - PHENOLS (mg/L)	Sample Result H4097-3	Method			True Value	
		Blank	QC	%Recov.	QC	
1 Phenol	0.002	<0.002	0.036	72	0.050	
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050	
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050	
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050	
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050	
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050	
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR	
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050	
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050	
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050	
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050	
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050	
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050	
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050	
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050	
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050	
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050	
Total Phenols		<0.005				

% Recovery	
18 2-Fluorophenol	33
19 Phenol-d5	32
20 2,4,6-Tribromophenol	66

METHODS: EPA 625/SW-846 8270

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-3
Sample ID: MW-3

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-3	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	0.002	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h,)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	79
20 2-Fluorobiphenyl	98
21 Terphenyl-d14	108

METHODS: EPA 625


Burgess A. Cooke, Ph. D.

4/13/99
Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/10/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Lab Number: H4097-3
 Sample ID: MW-3

Analysis Date: 04/09/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

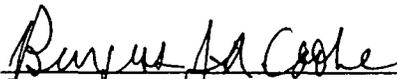
VOLATILES (mg/L)	Sample Result	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.022	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	<0.002	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	<0.002	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,1,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	103
Toluene-d8	98
Bromofluorobenzene	104

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.


 Burgess J. A. Cooke, Ph. D.

4/10/99
 Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/13/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Sample ID: MW-4
 Lab Number: H4097-4

Analysis Date: 04/13/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
H4097-4					
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

% Recovery	
Nitrobenzene-d5	100
2-Fluorobiphenyl	112
Terphenyl-d14	112

METHOD: SW-846 3550, 8270

Bryant A. Cook
 Chemist

4/13/99
 Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

FAX TO:

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

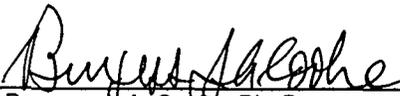
Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-4
Sample ID: MW-4

SEMIVOLATILES - PHENOLS (mg/L)	Sample Result H4097-4	Method Blank	True Value		
			QC	%Recov.	QC
1 Phenol	0.002	<0.002	0.036	72	0.050
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050
Total Phenols		<0.005			

% Recovery

18 2-Fluorophenol	36
19 Phenol-d5	31
20 2,4,6-Tribromophenol	70

METHODS: EPA 625/SW-846 8270


Burgess A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-4
Sample ID: MW-4

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-4	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	0.003	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h,)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	100
20 2-Fluorobiphenyl	112
21 Terphenyl-d14	112

METHODS: EPA 625

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/10/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Lab Number: H4097-4
 Sample ID: MW-4

Analysis Date: 04/09/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

VOLATILES (mg/L)	Sample Result	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.007	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	<0.002	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	<0.002	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,2,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	87
Toluene-d8	91
Bromofluorobenzene	98

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.

Burgess J.A. Cooke, Ph. D.

Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/13/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Sample ID: MW-5
 Lab Number: H4097-5

Analysis Date: 04/13/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
H4097-5					
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

% Recovery

Nitrobenzene-d5	70
2-Fluorobiphenyl	101
Terphenyl-d14	106

METHOD: SW-846 3550, 8270

Burgess J. Cooke
 Chemist

4/13/99
 Date



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

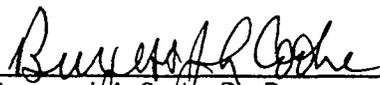
Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-5
Sample ID: MW-5

SEMIVOLATILES - PHENOLS (mg/L)	Sample Result H4097-5	Method Blank	True Value		
			QC	%Recov.	QC
1 Phenol	<0.002	<0.002	0.036	72	0.050
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050
Total Phenols		<0.005			

% Recovery

18 2-Fluorophenol	31
19 Phenol-d5	26
20 2,4,6-Tribromophenol	44

METHODS: EPA 625/SW-846 8270


Burgess J.A. Cooke, Ph. D.

4/13/99
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-5
Sample ID: MW-5

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

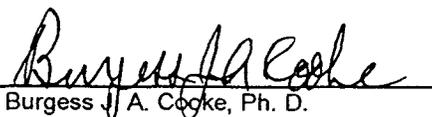
POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-5	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	0.001	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	70
20 2-Fluorobiphenyl	101
21 Terphenyl-d14	106

METHODS: EPA 625


Burgess J. A. Cooke, Ph. D.

4/13/99
Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/10/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Lab Number: H4097-5
 Sample ID: MW-5

Analysis Date: 04/09/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

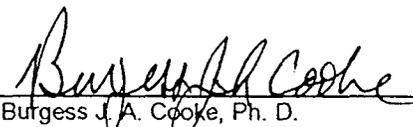
VOLATILES (mg/L)	Sample Result	Method Blank	% RECOVERY		True Value QC
			QC	%Recov.	
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.005	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	0.003	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	<0.002	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,2,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	83
Toluene-d8	87
Bromofluorobenzene	87

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.


 Burgess J. A. Cooke, Ph. D.

4/10/99
 Date

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ANALYTICAL RESULTS FOR
 SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
 ATTN: BOB ALLEN
 703 E. CLINTON ST., SUITE 103
 HOBBS, NM 88240
 FAX TO:

Receiving Date: 04/08/99
 Reporting Date: 04/13/99
 Project Number: NOT GIVEN
 Project Name: CHEVRON / DYNEGY
 Project Location: MONUMENT, NM
 Sample ID: MW-6
 Lab Number: H4097-6

Analysis Date: 04/13/99
 Sampling Date: 04/08/99
 Sample Type: GROUNDWATER
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

AROCLORS (PCB's) ppm	Sample Result	Method Blank	True Value		%IA
			QC	QC	
H4097-6					
PCB 1016	<0.001	<0.001	NR	NR	NR
PCB 1221	<0.001	<0.001	NR	NR	NR
PCB 1232	<0.001	<0.001	NR	NR	NR
PCB 1242	<0.001	<0.001	0.054	0.050	108
PCB 1248	<0.001	<0.001	NR	NR	NR
PCB 1254	<0.001	<0.001	0.054	0.050	108
PCB 1260	<0.001	<0.001	0.054	0.050	108

% Recovery

Nitrobenzene-d5	63
2-Fluorobiphenyl	94
Terphenyl-d14	103

METHOD: SW-846 3550, 8270

Benjamin A. Coche
 Chemist

4/13/99
 Date

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ARDINAL LABORATORIES

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-6
Sample ID: MW-6

FAX TO:

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

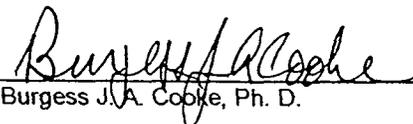
SEMIVOLATILES - PHENOLS
(mg/L)

	Sample Result H4097-6	Method Blank	True Value		
			QC	%Recov.	QC
1 Phenol	<0.002	<0.002	0.036	72	0.050
2 2-Chlorophenol	<0.002	<0.002	0.032	64	0.050
3 2-Methylphenol	<0.002	<0.002	0.034	68	0.050
4 4-Methylphenol	<0.002	<0.002	0.034	68	0.050
5 2-Nitrophenol	<0.002	<0.002	0.035	70	0.050
6 2,4-Dimethylphenol	<0.002	<0.002	0.039	78	0.050
7 Other Dimethylphenols	<0.002	<0.002	NR	NR	NR
8 2,4-Dichlorophenol	<0.002	<0.002	0.039	78	0.050
9 2,6-Dichlorophenol	<0.002	<0.002	0.038	76	0.050
10 4-Chloro-3-methylphenol	<0.002	<0.002	0.038	76	0.050
11 2,4,6-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
12 2,4,5-Trichlorophenol	<0.002	<0.002	0.039	78	0.050
13 2,4-Dinitrophenol	<0.002	<0.002	0.042	84	0.050
14 4-Nitrophenol	<0.002	<0.002	0.040	80	0.050
15 2,3,4,6-Tetrachlorophenol	<0.002	<0.002	0.039	78	0.050
16 4,6-Dinitro-2-methylphenol	<0.002	<0.002	0.041	82	0.050
17 Pentachlorophenol	<0.002	<0.002	0.043	86	0.050
Total Phenols		<0.005			

% Recovery

18 2-Fluorophenol	31
19 Phenol-d5	28
20 2,4,6-Tribromophenol	47

METHODS: EPA 625/SW-846 8270


Burgess J. A. Cople, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240

Receiving Date: 04/08/99
Reporting Date: 04/13/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-6
Sample ID: MW-6

Analysis Date: 04/12/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

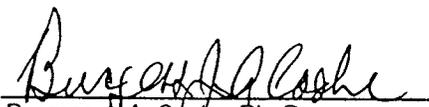
POLYNUCLEAR AROMATIC
HYDROCARBONS - 625 (mg/L)

	Sample Result H4097-6	Method Blank	QC	% Recov.	True Value QC
1 Naphthalene	0.001	0.001	0.041	82	0.050
2 2-Methylnaphthalene	<0.002	<0.002	0.041	82	0.050
3 1-Methylnaphthalene	<0.002	<0.002	NR	NR	NR
4 Acenaphthylene	<0.001	<0.001	0.040	80	0.050
5 Acenaphthene	<0.001	<0.001	0.040	80	0.050
6 Fluorene	<0.001	<0.001	0.040	80	0.050
7 Phenanthrene	<0.001	<0.001	0.045	90	0.050
8 Anthracene	<0.001	<0.001	0.042	84	0.050
9 Fluoranthene	<0.001	<0.001	0.043	86	0.050
10 Pyrene	<0.001	<0.001	0.043	86	0.050
11 Benzo(a)anthracene	<0.001	<0.001	0.044	88	0.050
12 Chrysene	<0.001	<0.001	0.041	82	0.050
13 Benzo(b)fluoranthene	<0.001	<0.001	0.030	60	0.050
14 Benzo(k)fluoranthene	<0.001	<0.001	0.030	60	0.050
15 Benzo(a)pyrene	<0.0007	<0.0007	0.040	80	0.050
16 Indeno(1,2,3-cd)pyrene	<0.001	<0.001	0.041	82	0.050
17 Dibenzo(a,h)anthracene	<0.001	<0.001	0.039	78	0.050
18 Benzo(g,h,i)perylene	<0.001	<0.001	0.040	80	0.050

% Recovery

19 Nitrobenzene-d5	63
20 2-Fluorobiphenyl	94
21 Terphenyl-d14	103

METHODS: EPA 625


Burgess J. A. Cooke, Ph. D.

4/13/99
Date

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ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON ST., SUITE 103
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/08/99
Reporting Date: 04/10/99
Project Number: NOT GIVEN
Project Name: CHEVRON / DYNEGY
Project Location: MONUMENT, NM
Lab Number: H4097-6
Sample ID: MW-6

Analysis Date: 04/09/99
Sampling Date: 04/08/99
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

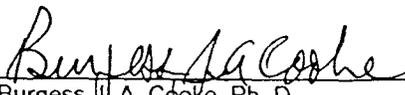
VOLATILES (mg/L)	Sample Result	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	<0.002	<0.002	0.102	102	0.100
1,1-Dichloroethylene	<0.002	<0.002	0.104	104	0.100
Methylene Chloride*	0.008	0.014	0.106	106	0.100
Chloroform	<0.002	<0.002	0.106	106	0.100
1,1-Dichloroethane	<0.002	<0.002	0.093	93	0.100
1,2-Dichloroethane	<0.002	<0.002	0.099	99	0.100
Benzene	<0.002	<0.002	0.111	111	0.100
Carbon Tetrachloride	<0.002	<0.002	0.094	94	0.100
Toluene	0.003	<0.002	0.099	99	0.100
Trichloroethylene	<0.002	<0.002	0.097	97	0.100
Tetrachloroethylene	<0.002	<0.002	0.090	90	0.100
Ethylbenzene	<0.002	<0.002	0.092	92	0.100
m,p-Xylene	<0.004	<0.004	0.186	93	0.200
o-Xylene	<0.002	<0.002	0.093	93	0.100
1,1,1-Trichloroethane	<0.002	<0.002	0.099	99	0.100
1,1,2-Trichloroethane	<0.002	<0.002	0.102	102	0.100
1,1,2,2-Tetrachloroethane	<0.002	<0.002	0.103	103	0.100
Ethylene Dibromide	<0.002	<0.002	0.103	103	0.100

% RECOVERY

Dibromofluoromethane	82
Toluene-d8	89
Bromofluorobenzene	90

METHODS: EPA SW 846-8260

*Detected at comparable levels in sample and method blank.


Burgess J. A. Cooke, Ph. D.

4/10/99
Date

