#1 In Service SUNCO TRUCKING BIGA OILFIELD SERVICE, LTD.

P.O. Drawer 3337, 700 S. Tucker, Farmington, New Mexico 87499
(505) 327-4961 • **24-Hour Dispatch (505) 325-6892** • (505) 327-0416

April 10, 1998

Roger Anderson
Environmental Bureau Chief
New Mexico OCD
2040 South Pacheco
Santa Fe, New Mexico 87505

Denny Foust
Deputy Oil & Gas Inspector
New Mexico OCD
1000 Rio Brazos Road
Aztec, New Mexico 87410

Dear Sirs:

Please find attached our Quarterly Injection Well Report for Sunco Disposal.
The following explanation is needed concerning Flow Rate and Annular Pressures.

On Flow Rates: The average was based on a 16 hour days / days in the month .
Also there were many days when there was no pump activity.

On Annular Pressures: The non-continuous injection pump activity had severely effected the backside pressures . So on a letter dated March 20,1997 NMOCD granted Sunco a permit amendment pertaining to the annulus. This change in the permit is reflected in this quarters report.

The Injection Water Analysis is also provided . If you require additional information, please contact me at (505) 334-6186

Best Regards:

Michael Talovich
Disposal Manager
Sunco Trucking

cc: H. Stone

SUNCO DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 1998	INJECTION PRESSURES			FLOW RATES			'FLOW VOLUMES / DAY			'ANNULAR PRESSURES			CLASS 1 NON-HAZ
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbls)	MIN (bbls)	AVG (bbls)	MONTH(bbls)	'YTD (bbls)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BARRELS
JAN	1940	1740	1920	2,863	808	2,044	63,358	63,358	2,730,383	0	0	0	5,040
FEB	1940	1740	1920	2,736	1,177	1,809	50,641	113,999	2,781,024	0	0	0	0
MAR	1950	1740	1920	2,495	1,339	1,750	54,262	168,261	2,835,286	0	0	0	2,680
APR													
MAY													
JUN													
JUL													
AUG													
SEP													
OCT													
NOV													
DEC													

CERTIFICATION _____ DATE 4-9-98

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

March 30, 1998

Michael Talovich
Sunco Trucking
708 S. Tucker
Farmington, NM 87401

Mr. Talovich:

Enclosed, please find the reports for the sample received by our laboratory for analysis on March 10, 1998.

If you have any questions about the results of these analyses, please don't hesitate to call me at your convenience.

We appreciate your business!

Sincerely,

Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File

Inter·Mountain Laboratories, Inc

2506 W. Main Street
Farmington, New Mexico 87401

SUNCO TRUCKING

Case Narrative

On March 10, 1998, one sample was submitted to Inter-Mountain Laboratories - Farmington for analysis. The sample was identified by project "Injection Pump", and was analyzed for the parameters indicated on the accompanying Chain of Custody document #51877.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The methods used in the analyses of the sample reported herein are found in Test Methods For Evaluation of Solid Waste, SW-846, USEPA, 1986, and Methods For Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, 1983.

Quality control reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,

Sharon Williams

Sharon Williams
Organics Lab Supervisor

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

CASE NARRATIVE

Client: SUNCO TRUCKING
Project: Injection Plant Received on: 03/12/98
Set ID: 0598H01037 # samples: 1

Suites: 8260 Standard

Samples were received for analysis at Inter-Mountain Laboratories (IML), Gillette, Wyoming. Enclosed are the results of these analyses.

No targeted analytes were found in the water sample, however high levels of aromatic compounds were observed. Such as Benzene, Toluene, and m,p-xylene.

Limits of detection for each instrument/analysis are determined by sample matrix effects, instrument performance under standard conditions, and dilution requirements to maintain chromatography output within calibration ranges. Quantitations have been calculated on an as received basis.

Quality Control reports have been included for your information and use. These reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please contact me at (800) 828-1413.

IML-Gillette

CHAIN OF CUSTODY RECORD

Inter-Mountain Laboratories, Inc.

Client/Project Name: BUNCO TRUCKING

Project Location: INJECTION PUMP

Sampler: (Signature) Michael [signature]

Chain of Custody Tape No.

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	See Disposal Plant List				Remarks
Injection Pump	3/10/98	1500		H_2O	8	✓				
					CR					Cool-on ice, intact, hand delivered

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Michael [signature]	3-10-98	1530			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time
			Chris Raymond	3-10-98	1530

Inter-Mountain Laboratories, Inc.

☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945

☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945

☐ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737

☐ 1160 Research Drive, Bozeman, Montana 59718, Telephone (406) 586-8450

☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (409) 776-8945

51877

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

Client: Sunco Trucking
Project: Injection Plant
Sample ID: Injection Pump
Lab ID: 0398G01127
Matrix: Water
Condition: Cool/Intact

Date Received: 03/10/98
Date Reported: 03/30/98
Date Sampled: 03/10/98
Time Sampled: 1500

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
PH	8.1	s.u.			0.1	EPA 150.1	03/10/98	1600	AP
Electrical Conductivity	30,000	µmhos/cm			10	EPA 120.1	03/10/98	1600	AP
Solids - Total Disso ved	17,800	mg/L			10	EPA 160.1	03/11/98	0930	BJ
Solids - Total Disso ved (Calc)	16,697	mg/L			10	Calculation	03/30/98	0930	JG
Solids-Total	20,100	mg/L			10	EPA 160.3	03/17/98	0830	BJ
Alkalinity (CaCO3)	1,660	mg/L			1	EPA 310.1	03/18/98	0930	BJ
Hardness (CaCO3)	605	mg/L			1	Calculation	03/30/98	0930	JG
Major Anions									
Bicarbonate (HCO3)	2,030	mg/L	33.3	meq/L	1	EPA 310.1	03/18/98	0930	BJ
Carbonate (CO3)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/18/98	0930	BJ
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	03/18/98	0930	BJ
Chloride	9,210	mg/L	260	meq/L	1	EPA 300.0	03/11/98	1300	AP
Nitrogen - Nitrate/Nitrite	0.12	mg/L			0.05	EPA 353.2	03/24/98	1255	SH
Sulfate	121	mg/L	2.52	meq/L	5	EPA 300.0	03/11/98	1300	AP
Major Cations									
Calcium	160	mg/L	7.98	meq/L	0.2	EPA 200.7	03/12/98	0900	ST
Magnesium	50.0	mg/L	4.11	meq/L	0.2	EPA 200.7	03/12/98	0900	ST
Potassium	220	mg/L	5.63	meq/L	0.2	EPA 200.7	03/12/98	0900	ST
Sodium	5,940	mg/L	258	meq/L	0.2	Calculation	03/12/98	0900	ST
Cation / Anion Balance QC Information									
Anion Sum			296	meq/L	0.01	Calculation	03/30/98	0930	JG
Cation Sum			276	meq/L	0.01	Calculation	03/30/98	0930	JG
Cation/Anion Balance			3.40	%	0.01	Calculation	03/30/98	0930	JG

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March 1983.
EPA - "Methods for the Determination of Inorganic Substances in Environmental Samples", United States Environmental Protection Agency, EPA 600/R-93/100 August, 1983.

Reviewed By: _____

John Green, Water Lab Supervisor

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS

Sunco Trucking

Project ID:	Injection Plant	Report Date:	03/20/98
Sample D:	Injection Pump	Date Sampled:	03/10/98
Lab ID:	0398G01127	Date Received:	03/10/98
Sample Matrix:	Water	Date Extracted:	NA
Condition:	Cool/Intact	Date Analyzed:	03/16/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	107	0.2
Toluene	226	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	41.2	0.2
m,p-Xylenes	472	0.2
o-Xylene	99.8	0.2
1,3-Dichlorobenzene	24.5	0.2
1,4-Dichlorobenzene	ND	0.2
1,2-Dichlorobenzene	20.4	0.2

ND - Analyte not detected at the stated detection limit.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Bromofluorobenzene	91.9%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION

Client:	**Sunco Trucking**		
Project:	Injection Pump	Date Reported:	03/20/98
Sample ID:	Injection Pump	Date Sampled:	03/10/98
Laboratory ID:	0398G01127	Date Received:	03/10/98
Sample Matrix:	Water	Date Analyzed:	03/19/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic.....	<0.005	0.005	5	mg/L
Barium.....	2.44	0.01	100	mg/L
Cadmium.....	<0.004	0.004	1	mg/L
Chromium.....	0.06	0.01	5	mg/L
Lead.....	<0.05	0.05	5	mg/L
Mercury.....	<0.001	0.001	0.2	mg/L
Selenium.....	<0.005	0.005	1	mg/L
Silver.....	<0.01	0.01	5	mg/L

ND- Analyte not detected at stated detection level.

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported By: _____ Reviewed: _____

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8260
VOLATILE ORGANIC COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Injection Pump
Project ID: Injection Plant
Lab ID: B981037
Matrix: Water

Date Reported: 03/27/98
Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/24/98
Date Analyzed: 03/24/98

Parameter	Result	PQL	Units
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
Methylene chloride	ND	20	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L

Continued

Inter·Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/20/98
Project:	Injection Pump	Date Analyzed:	03/19/98
Sample Matrix:	Water	Date Received:	03/10/98

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.009	0.010	90%	mg/L
Barium	0.98	1.00	98%	mg/L
Cadmium	1.060	1.000	106%	mg/L
Chromium	1.06	1.00	106%	mg/L
Lead	1.10	1.00	110%	mg/L
Mercury	0.004	0.004	100%	mg/L
Selenium	0.010	0.010	100%	mg/L
Silver	2.11	2.00	106%	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by: _____

Reviewed by: _____

Inter·Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Sunco Trucking	Date Reported:	03/20/98
Project:	Injection Pump	Date Analyzed:	03/19/98
Sample Matrix:	Water	Date Received:	03/10/98

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	N/A	N/A	N/A	N/A
Barium	1.91	0.95	1.00	96%
Cadmium	0.890	0.070	1.000	82%*
Chromium	0.96	<0.01	1.00	96%
Lead	N/A	N/A	N/A	N/A
Mercury	0.005	<0.001	0.005	90%
Selenium	N/A	N/A	N/A	N/A
Silver	N/A	N/A	N/A	N/A

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	ND	0.005	mg/L
Barium	ND	0.01	mg/L
Cadmium	ND	0.004	mg/L
Chromium	ND	0.01	mg/L
Lead	ND	0.05	mg/L
Mercury	ND	0.001	mg/L
Selenium	ND	0.005	mg/L
Silver	ND	0.01	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments: *Spike recovery failed to meet established QC limits due to matrix interference.
N/A= Data not available.

Reported by _____ Reviewed by _____

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

Quality Control / Quality Assurance

Known Analysis
Purgeable Aromatics

Client: Sunco Trucking
Project: Injection Plant

Date Reported: 03/20/98
Date Analyzed: 03/16/98

Known Analysis

Parameter	Found Result (ppb)	Known Result (ppb)	Percent Recovery	Acceptance Limits
Benzene	19.3	20.0	97%	70-130%
Toluene	19.9	20.0	99%	70-130%
Chlorobenzene	20.8	20.0	104%	70-130%
Ethylbenzene	19.9	20.0	99%	70-130%
m+p-Xylene	40.5	40.0	101%	70-130%
o-Xylene	20.0	20.0	100%	70-130%
1,3-Dichlorobenzene	20.1	20.0	100%	70-130%
1,4-Dichlorobenzene	20.4	20.0	102%	70-130%
1,2-Dichlorobenzene	20.9	20.0	104%	70-130%

Quality Control: Surrogate	Percent Recovery	Acceptance Limits
Bromofluorobenzene	107.9%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst _____

Reviewed by _____

Inter-Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Matrix Spike Analysis

Lab ID: 0398G01127
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/20/98
Date Analyzed: 03/16/98

Target Analyte	Spiked Sample Result in ppb	Sample result in ppb	Spike Added (ppb)	% Recovery	Acceptance Limits (%)
Benzene	36.30	21.40	20.0	74.5%	70-130
Toluene	54.00	45.30	20.0	43.5%*	70-130
Chlorobenzene	19.99	ND	20.0	100.0%	70-130
Ethylbenzene	26.61	8.24	20.0	91.9%	70-130
m,p-Xylenes	108.58	94.60	40.0	69.9%*	70-130
o-Xylene	28.89	20.00	20.0	44.5%*	70-130
1,3-Dichlorobenzene	26.66	4.89	20.0	108.9%	70-130
1,4-Dichlorobenzene	18.18	ND	20.0	90.9%	70-130
1,2-Dichlorobenzene	18.10	4.08	20.0	70.1%	70-130

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Bromofluorobenzene	92.0%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments: *Spike recovery failed to meet established QC limits due to matrix interferences.

Analyst

Review

Inter·Mountain Laboratories, In

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Method Blank Analysis

Sample Matrix: Water
Lab ID Method Blank

Report Date: 03/20/98
Date Analyzed: 03/16/98

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2
1,3-Dichlorobenzene	ND	0.2
1,4-Dichlorobenzene	ND	0.2
1,2-Dichlorobenzene	ND	0.2

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Trifluorotoluene	96.2%	70-130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT

Duplicate Analysis

Lab ID: 0398G01127
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 03/20/98
Date Analyzed: 03/16/98

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	101	107	5.8
Toluene	214	226	5.5
Chlorobenzene	ND	ND	NA
Ethylbenzene	38.4	41.2	7.0
m,p-Xylenes	455	472	3.7
o-Xylene	97.7	99.8	2.1
1,3-Dichlorobenzene	25.1	24.5	2.4
1,4-Dichlorobenzene	ND	ND	NA
1,2-Dichlorobenzene	20.1	20.4	1.5

ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Bromofluorobenzene	89.9%	70 -130%

Reference: Method 5030, Purge and Trap; Method 602, Purgeable Aromatics; Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, October 1984.

Comments:

Analyst

Review

Inter·Mountain Laboratories, Inc.

1701 Phillips Circle
Gillette, Wyoming 82718

EPA METHOD 8260
VOLATILE ORGANIC COMPOUNDS

Client: **SUNCO TRUCKING**
Sample ID: Injection Pump
Project ID: Injection Plant
Lab ID: B981037
Matrix: Water

Date Reported: 03/27/98
Date Sampled: 03/10/98
Date Received: 03/12/98
Date Extracted: 03/24/98
Date Analyzed: 03/24/98

Parameter	Result	PQL	Units

Continued

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
1,2-Dichloroethane-d4	103	80 - 120
Bromofluorobenzene	108	86 - 115
Toluene-d8	104	88 - 110

ND - Not Detected at Practical Quantitation Level (PQL)

Reference: Method 8260A Gas Chromatography/Mass Spectrometry for Volatile Organics, Test Methods for Evaluating Solid Wastes, SW-846, Final Update II, United States Environmental Protection Agency, September 1994.

Analyst E.D.

Reviewed SW