

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

November 10, 1997

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.

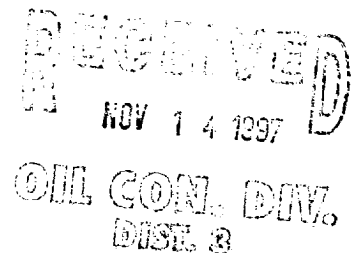
On Annular Pressures: The noncontinuous injection pump activity had severely effected
the backside pressures . So on a letter dated March 20, 1997 NMOCD granted Sunco a permit
amendment pertaining to the annulus. This change in the permit is reflected in this quarters report.

For this quarters analysis we ran the Volatile Organic twice this is why you are receiving this
Report late.

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 1997	INJECTION PRESSURES			FLOW RATES			'FLOW VOLUMES / DAY			'ANNULAR PRESSURES			CLASS 1 NON-HAZ
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbbls)	MIN (bbbls)	AVG (bbbls)	MONTH (bbbls)	'YTD (bbbls)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	
													VOLUMES IN BARRELS
JAN	2040	1800	1920	3,869	1,121	2,318	71,882	71,882	2,090,972	360	0	270	1,440
FEB	1980	1800	1920	2,687	0	1,927	53,978	125,860	2,144,950	540	0	270	48
MAR	1980	1800	1920	3,194	977	2,008	62,270	188,130	2,207,220	480	0	240	240
APR	1980	1800	1920	2805	0	1,768	53,047	241,177	2,260,267	540	0	0	320
MAY	1980	1800	1920	2757	0	1,863	57,777	298,954	2,318,044	0	0	0	0
JUN	1890	1740	1860	2465	0	1,119	33,579	332,533	2,351,623	0	0	0	160
JUL	1860	1740	1800	2720	0	1097	33,995	372,268	2,385,618	0	0	0	160
AUG	1920	1800	1860	2864	0	1559	48,315	420,583	2,433,933	0	0	0	1120
SEP	1950	1800	1875	2881	0	1862	55,860	476,443	2,489,793	0	0	0	0

CERTIFICATION *Michael R. [Signature]*

DATE 11-10-97

11/10/97
11/10/97

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

7 October 1997

Mr. Talovich:

Enclosed, please find the reports for the samples received by our laboratory for analysis on September 9, 1997.

I apologize for the delay in receiving your results and any inconveniences it may have caused.

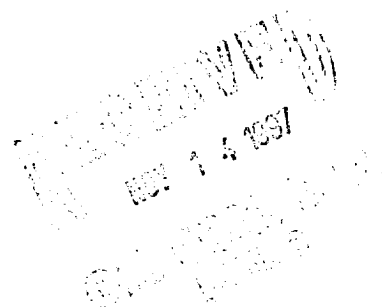
If you have any questions about the results of these analyses, please don't hesitate to call me at your convenience.

Sincerely,



Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File



Sunco Trucking

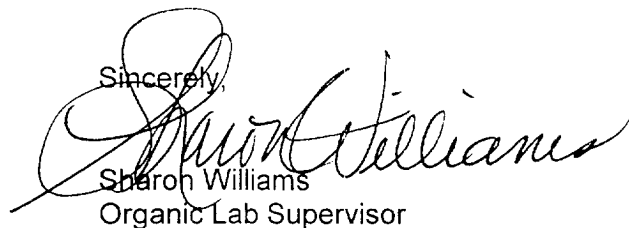
Case Narrative

On September 9, 1997, five samples were submitted to Inter-Mountain Laboratories - Farmington for analysis. The samples were identified by project "Disposal Plant". The samples were analyzed for the parameters indicated on the accompanying Chain of Custody document # 50111.

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 samples 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.

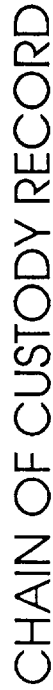
Quality control reports appear at the end of the analytical package and may be identified by title. If there are any questions regarding the information presented in this package, please feel free to call at your convenience.

Sincerely,



Sharon Williams
Organic Lab Supervisor

RECEIVED
OCT 14 1997
OCT 14 1997
OCT 14 1997



CHAIN OF CUSTODY RECORD

[illegible]

Client: Sunco Trucking
 Project: Disposal Plant
 Sample ID: Injection Pump
 Lab ID: 0397G01949
 Matrix: Water
 Condition: Cool/Intact

Date Received: 09/09/97
 Date Reported: 10/07/97
 Date Sampled: 09/09/97
 Time Sampled: 0930

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis		
							Date	Time	Init.
General Parameters									
PH	7.7	s.u.			0.1	EPA 150.1	09/09/97	1600	AP
Electrical Conductivity	26,800	µmhos/cm			10	EPA 120.1	09/09/97	1600	AP
Solids - Total Dissolved	22,952	mg/L			10	EPA 160.1	10/06/97	1415	AP
Solids - Total Dissolved	17,644				N/A	N/A	09/09/97	1600	BJ
Solids-Total	17	mg/L			10	N/A	09/09/97	1600	BJ
Alkalinity (CaCO3)	1,839	mg/L			1	EPA 310.1	09/19/97	0845	AP
Hardness (CaCO3)	534	mg/L			0.2	Calculation			
Major Anions									
Bicarbonate (HCO3)	2,244	mg/L	37	meq/L	1	EPA 310.1	09/19/97	0845	AP
Carbonate (CO3=)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	09/19/97	0845	AP
Hydroxide (OH)	<1	mg/L	<0.01	meq/L	1	EPA 310.1	09/19/97	084	AP
Chloride	8,716.5	mg/L	245.9	meq/L	1	EPA 300.0	09/12/97	0900	AP
Nitrogen - Nitrate/Nitrit	55.7	mg/L	2.1	meq/L	0.05	EPA 353.2	09/10/97	0830	AP
Sulfate	520.0	mg/L	10.8	meq/L	5	EPA 300.0	09/12/97	0900	AP
Major Cations									
Calcium	143.34	mg/L	7.15	meq/L	0.2	EPA 200.7	09/26/97	1731	ST
Magnesium	42.81	mg/L	3.52	meq/L	0.2	EPA 200.7	09/26/97	1731	ST
Potassium	593.57	mg/L	15.18	meq/L	0.2	EPA 200.7	09/26/97	1731	ST
Sodium	6,524.55	mg/L	283.82	meq/L	0.2	EPA 200.7	09/26/97	1731	ST
Cation / Anion Balance QC Information									
Anion Sum	293	meq/L			0.01	Calculation			
Cation Sum	310	meq/L			0.01	Calculation			
Cation/Anion Balance	3	percent			0.01	Calculation			
Total Metals									
Arsenic	<0.005	mg/L			0.005	EPA 206.3	10/02/97	1635	AL
Barium	6.24	mg/L			0.01	EPA 200.7	09/23/97	1200	MS
Cadmium	0.012	mg/L			0.004	EPA 200.7	09/24/97	1200	MS
Chromium	0.03	mg/L			0.01	EPA 200.7	09/24/97	1200	MS
Lead	<0.05	mg/L			0.05	EPA 239.2	09/24/97	1200	MS
Mercury	<0.001	mg/L			0.001	EPA 245.1	10/03/97		AP
Selenium	<0.005	mg/L			0.005	EPA 270.3	09/30/97	1200	AL
Silver	0.02	mg/L			0.01	EPA 200.7	09/29/97	1200	MS

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 OIL COR. DIV.

Reference: EPA - "Methods for Chemical Analysis of Water and Wastes", United States Environmental Protection Agency, EPA 600/4-79-020, Revised March, 1983.

Reviewed By: 

Wes Harvey, Laboratory Manager

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL CONCENTRATION**

Client: **Sunco Trucking**
Project: Disposal Plant
Sample ID: Injection Pump
Laboratory ID: 0397G01949
Sample Matrix: Water

Date Reported: 10/07/97
Date Sampled: 09/09/97
Date Received: 09/09/97
Date Analyzed: 10/02/97

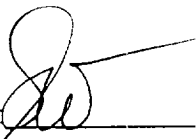
Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic.....	<0.005	0.005	5	mg/L
Barium.....	6.24	0.01	100	mg/L
Cadmium.....	0.012	0.004	1	mg/L
Chromium.....	0.03	0.01	5	mg/L
Lead.....	<0.05	0.05	5	mg/L
Mercury.....	<0.001	0.001	0.2	mg/L
Selenium.....	<0.005	0.005	1	mg/L
Silver.....	0.02	0.01	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: 

VOLATILE AROMATIC HYDROCARBONS**SUNCO TRUCKING**

Project ID:	Disposal Plant	Report Date:	09/11/97
Sample ID:	Injection Pump	Date Sampled:	09/09/97
Lab ID:	0397G01949	Time Sampled:	9:30am
Sample Matrix:	Water	Date Received:	09/09/97
Condition:	Cool/Intact	Date Extracted:	NA
		Date Analyzed:	09/10/97

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	39.6	10.0
Toluene	114	10.0
Ethylbenzene	198	10.0
m,p-Xylenes	ND	10.0
o-Xylene	46.3	10.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	101%	70%-130%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Analyst

Review

EPA METHOD 8240
VOLATILE ORGANIC COMPOUNDSClient: **SUNCO TRUCKING**

Sample ID: Injection Pump

Project ID: Disposal Plant

Lab ID: B974734

0397G01949

Matrix: Water

Date Reported: 09/16/97

Date Sampled: 09/09/97

Date Received: 09/11/97

Date Extracted: 09/11/97

Date Analyzed: 09/11/97

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	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
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
2-Hexanone	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Acetone	1500	20	ug/L
Benzene	37	5.0	ug/L
Bromodichloromethane	6.9	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Disulfide	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	11	5.0	ug/L
Chloromethane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Dibromochloromethane	5.5	5.0	ug/L
Ethylbenzene	7.3	5.0	ug/L
m,p-Xylene	130	5.0	ug/L
Methylene chloride	ND	20	ug/L
o-Xylene	47	5.0	ug/L
Styrene	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
Toluene	140	5.0	ug/L

Continued

EPA METHOD 8240
VOLATILE ORGANIC COMPOUNDSClient: **SUNCO TRUCKING**

Sample ID: Injection Pump

Project ID: Disposal Plant

Lab ID: B974734

0397G01949

Matrix: Water

Date Reported: 09/16/97

Date Sampled: 09/09/97

Date Received: 09/11/97

Date Extracted: 09/11/97

Date Analyzed: 09/11/97

Parameter	Result	PQL	Units
Continued			
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L
Xylenes (total)	180	5.0	ug/L
QUALITY CONTROL - Surrogate Recovery		%	QC Limits
1,2-Dichloroethane-d4	97		80 - 120
Bromofluorobenzene	100		86 - 115
Toluene-d8	102		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 

QUALITY CONTROL/QUALITY ASSURANCE

VOLATILE AROMATIC HYDROCARBONS

KNOWN ANALYSIS

Client: **Sunco Trucking**
Project: **Disposal Plant**

Date Reported: **09/10/97**
Date Analyzed: **09/10/97**

Parameter	Found Result (ppb)	Known Result (ppb)	Percent Recovery	Acceptance Limits
Benzene	3.7	4.0	92%	70 - 130%
Toluene	4.0	4.0	100%	70 - 130%
Ethylbenzene	3.9	4.0	99%	70 - 130%
m+p - Xylene	7.5	8.0	94%	70 - 130%
o - Xylene	4.1	4.0	102%	70 - 130%

Quality Control: Surrogate Percent Recovery Acceptance Limits

 Bromofluorobenzene 106% 75-125%

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: 

QUALITY CONTROL/QUALITY ASSURANCE

QUALITY CONTROL REPORT

METHOD BLANK ANALYSIS

Sample Matrix:
Lab ID:

Water
Method Blank

Report Date: 09/11/97
Date Analyzed: 09/10/97

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.2
Toluene	ND	0.2
Ethylbenzene	ND	0.2
m,p-Xylenes	ND	0.2
o-Xylene	ND	0.2

ND - Analyte not detected at the stated detection limit.

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

Bromofluorobenzene

102%

70-130%

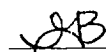
Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:



Analyst



Review

QUALITY CONTROL/QUALITY ASSURANCE
VOLATILE AROMATIC HYDROCARBONS**BLANK SPIKE ANALYSIS**

Lab ID: Method Blank
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 09/11/97
Date Analyzed: 09/10/97

Target Analyte	Blank Spike Concentration (ppb)	Method Blank Concentration (ppb)	Spike Added (ppb)	% Recovery	Acceptance Limits (%)
Benzene	18.68	ND	20.0	93%	70-130
Toluene	20.32	ND	20.0	102%	70-130
Ethylbenzene	20.13	ND	20.0	101%	70-130
m,p-Xylenes	37.99	ND	40.0	95%	70-130
o-Xylene	20.73	ND	20.0	104%	70-130

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

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	110%	70 -130%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:



Analyst



Review

QUALITY CONTROL/QUALITY ASSURANCE
VOLATILE AROMATIC HYDROCARBONS**DUPLICATE ANALYSIS**

Lab ID: 0397G01949
Sample Matrix: Water
Condition: Cool/Intact

Report Date: 09/11/97
Date Analyzed: 09/10/97

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	33.7	39.6	16.1
Toluene	113	114	0.9
Ethylbenzene	165	198	18.2
m,p-Xylenes	ND	ND	NA
o-Xylene	47.0	46.3	1.5

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

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	104%	70 -130%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:



Analyst



Review

Quality Control / Quality Assurance**Known Analysis****TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

Client: **Sunco Trucking**
Project: Disposal Plant
Sample Matrix: Water

Date Reported: 10/07/97
Date Analyzed: 10/02/97
Date Received: 09/09/97

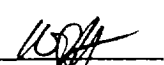
Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	0.010	0.010	99%	mg/L
Barium	1.02	1.00	102%	mg/L
Cadmium	1.030	1.000	103%	mg/L
Chromium	1.04	1.00	104%	mg/L
Lead	1.04	1.00	104%	mg/L
Mercury	0.008	0.008	96%	mg/L
Selenium	0.010	0.010	100%	mg/L
Silver	0.45	0.50	90%	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: 

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client: **Sunco Trucking**
Project: Disposal Plant
Sample Matrix: Water

Date Reported: 10/03/97
Date Analyzed: 10/02/97
Date Received: 09/09/97

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.020	<0.005	0.025	80%*
Barium	7.27	6.24	1.00	103%
Cadmium	0.950	0.012	1.000	94%
Chromium	0.98	0.03	1.00	95%
Lead	1.07	<0.05	1.00	107%
Mercury	0.025	<0.001	0.025	99%
Selenium	0.022	<0.005	0.025	88%
Silver	0.62	0.02	1.00	60%*

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:

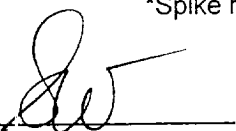
Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

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

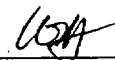
Comments:

*Spike recoveries low due to matrix interferences.

Reported by



Reviewed by



QUALITY ASSURANCE / QUALITY CONTROL

LAB QA/QC
EPA METHOD 8240
METHOD BLANK

Date Analyzed: 09/11/97
 Lab ID: MBW97240
 Matrix: Water
 Date Extracted: 09/11/97

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	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
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
2-Hexanone	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Disulfide	ND	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chlorobenzene	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
Ethylbenzene	ND	5.0	ug/L
m,p-Xylene	ND	5.0	ug/L
Methylene chloride	ND	20	ug/L
o-Xylene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L

Continued

LAB QA/QC
EPA METHOD 8240
METHOD BLANKDate Analyzed: 09/11/97
Lab ID: MBW97240
Matrix: Water
Date Extracted: 09/11/97

Parameter	Result	PQL	Units
Continued			
Vinyl Chloride	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
1,2-Dichloroethane-d4	91	80 - 120
Bromofluorobenzene	89	86 - 115
Toluene-d8	98	88 - 110

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst E.O.Reviewed 

LAB QA/QC
EPA METHOD 8240
BLANK SPIKE / BLANK SPIKE DUPLICATE SUMMARY

1160 Research Drive
 Bozeman, Montana 59718

Date Analyzed: 09/11/97
 Lab ID: BSW97254
 Matrix: Water
 Date Extracted: 09/11/97

Original Sample Parameters

Parameter	Spike Added (ug/L)	Sample Result (ug/L)	Spike Result (ug/L)	BS Recovery %	QC Limits Rec.
1,1-Dichloroethene	50	0	48	96	75 - 145
Benzene	50	0	49	98	71 - 120
Chlorobenzene	50	0	50	100	76 - 127
Toluene	50	0	48	96	71 - 127
Trichloroethene (TCE)	50	0	52	104	75 - 130

Duplicate Sample Parameters

Parameter	Spike Added (ug/L)	BSD Result (ug/L)	BSD Recovery %	RPD %	QC Limits RPD Rec.
1,1-Dichloroethene	50	49	98	2	14 75 - 145
Benzene	50	51	102	4	14 71 - 120
Chlorobenzene	50	51	102	2	11 76 - 127
Toluene	50	50	100	4	13 71 - 127
Trichloroethene (TCE)	50	52	104	0	13 75 - 130

Note: Spike Recoveries are calculated using zero for Sample result if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 0 out of 10 outside QC limits.

RPD: 0 out of 5 outside QC limits.

Analyst E. D.

Reviewed 

SECOND Volatile
Organic test

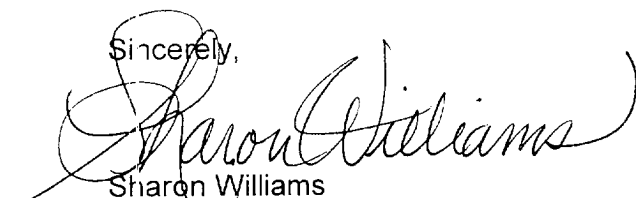
7 November 1997

Mr. Talovich:

Enclosed please find the report for the sample received by our laboratory for analysis on October 21, 1997.

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

Sincerely,



Sharon Williams
Organics Lab Supervisor

Enclosures
xc: File



CHAIN OF CUSTODY RECORD

Client/Project Name		Project Location		ANALYSES / PARAMETERS	
Bucco Talcovich		Chain of Custody Tape No.		Remarks	
Sampler: (Signature)		Sample No./ Identification		Date	
Michael Talcovich		10-21-97		1300	
Date		Time		Lab Number	
10-21-97		1300			
Matrix		No. of Containers			
10-21-97		2			
Received by: (Signature)		Received by: (Signature)			
Michael Talcovich		Billy Dwyer			
Date		Time		Date	
10-21-97		1300		10-21-97	
Relinquished by: (Signature)		Relinquished by: (Signature)		Time	
Michael Talcovich				1300	
Relinquished by: (Signature)		Date		Time	
		10-21-97		1300	
Relinquished by: (Signature)		Received by: (Signature)			
		Billy Dwyer			
Date		Time		Date	
10-21-97		1300		10-21-97	
Time		Date		Time	
1300		10-21-97		1300	
cool & intact					

EPA METHOD 8240
VOLATILE ORGANIC COMPOUNDSClient: **SUNCO TRUCKING**Sample ID: **SUNCO DISPOSAL**Project ID: **Disposal Plant**Lab ID: **B975266****G02473**Matrix: **Water**Date Reported: **11/04/97**Date Sampled: **10/21/97**Date Received: **10/23/97**Date Extracted: **10/28/97**Date Analyzed: **10/28/97**

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	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
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
2-Butanone (MEK)	250	20	ug/L
2-Hexanone	ND	5.0	ug/L
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Acetone	3600 D1	20	ug/L
Benzene	91	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Carbon Disulfide	47	5.0	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	7.0	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
Ethylbenzene	43	5.0	ug/L
m,p-Xylene	230	5.0	ug/L
Methylene chloride	ND	20	ug/L
o-Xylene	130	5.0	ug/L
Styrene	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
Toluene	170 D1	5.0	ug/L

EPA METHOD 8240
VOLATILE ORGANIC COMPOUNDSClient: **SUNCO TRUCKING**Sample ID: **SUNCO DISPOSAL**Project ID: **Disposal Plant**Lab ID: **B975266****G02473**Matrix: **Water**Date Reported: **11/04/97**Date Sampled: **10/21/97**Date Received: **10/23/97**Date Extracted: **10/28/97**Date Analyzed: **10/28/97**

Parameter	Result	PQL	Units
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Continued

trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L
Xylenes (total)	360	5.0	ug/L

QUALITY CONTROL - Surrogate Recovery

%

QC Limits

1,2-Dichloroethane-d4	108	80 - 120
Bromofluorobenzene	106	86 - 115
Toluene-d8	99	88 - 110

ND - Not Detected at Practical Quantitation Level (PQL)

D1 - Dilution factor of 5 for quantitation.

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 

LAB QA/QC
EPA METHOD 8240
INSTRUMENT BLANK

Date Analyzed: 10/28/97
 Lab ID: IBW97301
 Matrix: Water
 Date Extracted: 10/28/97

Parameter	Result	PQL	Units
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	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
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
Benzene	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
Chlorobenzene	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
Ethylbenzene	ND	5.0	ug/L
m,p-Xylene	ND	5.0	ug/L
Methylene chloride	ND	20	ug/L
o-Xylene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Tetrachloroethene (PCE)	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene (TCE)	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
Carbon Disulfide	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L

Continued

LAB QA/QC
EPA METHOD 8240
INSTRUMENT BLANKDate Analyzed: 10/28/97
Lab ID: IBW97301
Matrix: Water
Date Extracted: 10/28/97

Parameter	Result	PQL	Units
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Continued

4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
Acetone	ND	20	ug/L

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	92	86 - 115
1,2-Dichloroethane-d4	101	80 - 120
Toluene-d8	100	88 - 110

ND - Not Detected at Practical Quantitation Level (PQL)

Analyst F. D.Reviewed 

LAB QA/QC
EPA METHOD 8240
MATRIX SPIKE

Date Analyzed: 10/28/97
Lab ID: 0597H05210 SK1 1-48617
Matrix: Water
Date Extracted: 10/28/97

Parameter	Spike Added (ug/L)	Sample Result (ug/L)	Spike Result (ug/L)	MS Recovery %	QC Limits Rec.
1,1-Dichloroethene	50	0	58	116	75 -145
Benzene	50	0	52	104	71 -120
Chlorobenzene	50	0	46	92	76 -127
Toluene	50	0	54	108	71 -127
Trichloroethene (TCE)	50	0	43	86	75 -130

QUALITY CONTROL - Surrogate Recovery	%	QC Limits
Bromofluorobenzene	88	86 -115
1,2-Dichloroethane-d4	99	80 -120
Toluene-d8	98	88 -110

Note: Spike Recoveries are calculated using zero for Sample result
if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 0 out of 5 outside QC limits.

Analyst E.D.

Reviewed 

Inter-Mountain Laboratories, Inc.**LAB QA/QC****EPA METHOD 8240****BLANK SPIKE / BLANK SPIKE DUPLICATE SUMMARY**1160 Research Drive
Bozeman, Montana 59718Date Analyzed: 10/28/97
Lab ID: BSW97301
Matrix: Water
Date Extracted: 10/28/97**Original Sample Parameters**

Parameter	Spike Added (ug/L)	Sample Result (ug/L)	Spike Result (ug/L)	BS Recovery %	QC Limits Rec.
1,1-Dichloroethene	50	0	61	122	75 - 145
Benzene	50	0	56	112	71 - 120
Chlorobenzene	50	0	49	98	76 - 127
Toluene	50	0	58	116	71 - 127
Trichloroethene (TCE)	50	0	49	98	75 - 130

Duplicate Sample Parameters

Parameter	Spike Added (ug/L)	BSD Result (ug/L)	BSD Recovery %	RPD %	QC Limits RPD Rec.
1,1-Dichloroethene	50	62	124	2	14 75 - 145
Benzene	50	58	116	4	14 71 - 120
Chlorobenzene	50	50	100	2	11 76 - 127
Toluene	50	58	116	0	13 71 - 127
Trichloroethene (TCE)	50	56	112	13	13 75 - 130

Note: Spike Recoveries are calculated using zero for Sample result
if Sample result was less than PQL (Practical Quantitation Level).

Spike Recovery: 0 out of 10 outside QC limits.

RPD: 0 out of 5 outside QC limits.

Analyst IE.D.Reviewed SK