

P.O. Drawer 3337, 700 S. Tucker, Farmington, New Mexico 87499
(505) 327-4931 • 24-Hour Dispatch (505) 325-6892 • (505) 327-0416

July 16, 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 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 Tracking

cc: H. Stone

RECEIVED
JUL 16 1997
SUNCO OIL & GAS
DISPOSAL

SUNCO DISPOSAL #1 20-045-38653
P.O. BOX 443
FARMINGTON, N.M. 87499
E-2-29N-12W

MONTHLY INJECTION WELL REPORT

PERIOD 1997	INJECTION PRESSURES			FLOW RATES			FLOW VOLUMES / DAY			ANNUAL PRESSURES			CLASS 1 NON-HAZ VOLUMES IN BARRELS
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbis)	MIN (bbis)	AVG (bbis)	MONTH(bbis)	YTD (bbis)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	
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													
AUG													
SEP													

CERTIFICATION  DATE 7-16-97



July 9, 1997

Mike Talovich
Surico Trucking
PO Box 3235
Farmington, NM 87499

Dear Mr. Talovich,

Enclosed are the analytical results for the samples received at Anaitas Environmental Lab, on June 6, 1997. The sample was analyzed for BTEX, RCRA Metals, General Water Quality, and Volatile Halocarbons as per the chain of custody.

BTEX analysis was performed on the sample according to EPA Method 602, using a Hewlett-Packard 5890 gas chromatograph equipped with an OI Analytical purge and trap (model 4560) and a photoionization detector. Detectable levels of btx analytes were found in the samples, as reported. Volatile halocarbon analysis was subcontracted.

Tests for general water quality parameters were conducted in accordance with Standard Methods For The Examination Of Water And Wastewater, 18th edition and the "EPA 600 Series For The Examination Of Water and Wastes."

Metals were analyzed according to Method 1311, Toxicity Characteristic Leaching Procedure and Method 7000, Methods for Determination of Metals as outlined in Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

If you have any questions or comments concerning any information in this report, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Denise A. Bohemier", written over a horizontal line.

Dr. Denise A. Bohemier
Lab Manager

2174 of _____

PURGEABLE AROMATICSSunco Disposal, Inc.

Project ID: Injection Well
Sample ID: Injection Well #1
Lab ID: 7021
Sample Matrix: Water
Preservative: Cool
Condition: Intact

Report Date: 06/11/97
Date Sampled: 06/06/97
Date Received: 06/06/97
Date Analyzed: 06/10/97

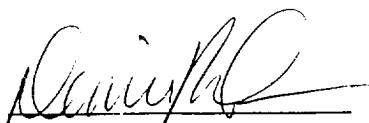
Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	ND	50.0
Toluene	64.6	50.0
Ethylbenzene	ND	50.0
m,p-Xylenes	171	100
o-Xylene	ND	50.0

Total BTEX	235
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ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	94	88 - 110%
	Bromofluorobenzene	101	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209,
Oct. 1984.

Comments:
Analyst
Review

General Water Quality

Sunco Disposal, Inc.

Project ID: Quarterly Monitoring
 Sample ID: Injection Well
 Laboratory ID: 7021
 Sample Matrix: Water

Date Reported: 07/09/97
 Date Sampled: 06/06/97
 Time Sampled: NA
 Date Received: 06/06/97

Parameter	Analytical Result	Units
General		
Lab pH.....	8.1	s.u.
Lab Conductivity @ 25° C.....	34,700	µmhos/cm
Total Dissolved Solids @ 180°C.....	23,300	mg/L
Total Dissolved Solids (Calc).....	22,200	mg/L
Anions		
Total Alkalinity as CaCO ₃	2,480	mg/L
Bicarbonate Alkalinity as CaCO ₃	2,480	mg/L
Carbonate Alkalinity as CaCO ₃	NA	mg/L
Hydroxide Alkalinity as CaCO ₃	NA	mg/L
Chloride.....	11,300	mg/L
Sulfate.....	490	mg/L
Nitrate + Nitrite - N.....	NA	
Nitrate - N.....	NA	
Nitrite - N.....	NA	
Cations		
Total Hardness as CaCO ₃	480	mg/L
Calcium.....	108	mg/L
Magnesium.....	51.0	mg/L
Potassium.....	520	mg/L
Sodium.....	8,190	mg/L

Data Validation		Acceptance Level
Cation/Anion Difference.....	0.01	+/- 5 %
TDS (180):TDS (calculated).....	1.1	1.0 - 1.2

Reference U.S.E.P.A. 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, 1983.
Standard Methods For The Examination Of Water And Wastewater, 18th ed., 1992.


 Review

TCLP Metals Analysis

Sunco Disposal

Project ID: Injection Well
Sample ID: Inj Well #1
Laboratory ID: 7021
Sample Matrix: Water

Date Reported: 04/01/97
Date Sampled: 06/06/97
Date Received: 06/06/97
Date TCLP: 06/12/97

Parameter	Analytical Result (mg/L)	Regulatory Limit (mg/L)
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Trace Metals

Arsenic.....	0.006	5.0
Barium.....	4.75	100
Cadmium.....	0.06	1.0
Chromium.....	< 0.05	5.0
Lead.....	0.39	5.0
Mercury.....	< 0.001	0.2
Selenium.....	< 0.05	1.0
Silver.....	< 0.05	5.0

General	Percent Solids.....	0	%
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Reference: Method 1311: Toxicity Characteristic Leaching Procedure; Method 7000: Methods for Determination of Metals; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.



Review

Chlorinated Volatile Organic Compounds

EPA Method 8010

Sunco Disposal

Project ID: Injection Well
 Sample ID: Inj. Well #1
 Lab ID: 7021
 Sample Matrix: Water
 Preservative: Cool, HCl

Report Date: 07/09/97
 Date Sampled: 06/06/97
 Date Received: 06/06/97
 Date Analyzed: 06/16/97

Analyte	Concentration (µg/L)	Detection Limit (µg/L)
Bromodichloromethane	2.5	0.40
Bromoform	11	0.40
Bromomethane	ND	0.40
Carbon Tetrachloride	ND	0.40
Chlorobenzene	ND	0.42
Chloroethane	ND	0.40
2-Chloroethyl vinyl ether	ND	0.40
Chloroform	17.0	0.40
Chloromethane	3.4	0.40
Dibromochloromethane	7.9	0.40
1,2-Dichlorobenzene	ND	0.40
1,3-Dichlorobenzene	ND	0.40
1,4-Dichlorobenzene	ND	0.40
Dichlorodifluoromethane	ND	0.40
1,1-Dichloroethane	ND	0.40
1,2-Dichloroethane	ND	0.20
1,1-Dichloroethene	ND	0.40
trans-1,2-Dichloroethene	ND	0.40
Dichloromethane	1.6	0.40
1,2-Dichloropropane	ND	0.40
cis-1,3-Dichloropropene	ND	0.20
trans-1,3-Dichloropropene	ND	0.20
Tetrachloroethene	ND	0.20
1,1,2,2-Tetrachloroethane	ND	0.54
1,1,1-Trichloroethane	ND	0.20
1,1,2-Trichloroethane	ND	0.20
Trichloroethene	ND	0.20
Trichlorofluoromethane	ND	0.40
Vinyl Chloride	ND	0.40

Surrogate Recovery (1-Chloro-2-fluorobenzene): 107%

70% - 130% (QC Limits)


 Review

PURGEABLE AROMATICS

Quality Control Report

Method Blank Analysis

Sample Matrix: Water
Lab ID: MB35591

Report Date: 06/11/97
Date Analyzed: 06/10/97

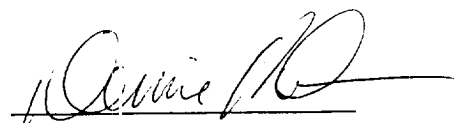
Target Analyte	Concentration (ug/L)	Detection Limit (ug/L)
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	1.00
o-Xylene	ND	0.50

ND - Analyte not detected at the stated detection limit.

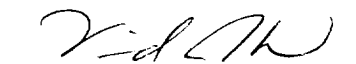
Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	97	88 - 110%
	Bromofluorobenzene	94	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209, Oct. 1984.

Comments:



Analyst



Review

Purgeable Aromatics

Matrix Spike Analysis

Lab ID: 6971Spk
Sample Matrix: Water
Preservative: Cool, HgCl₂
Condition: Intact

Report Date: 06/11/97
Date Sampled: 05/29/97
Date Received: 05/29/97
Date Analyzed: 06/10/97

Target Analyte	Spike Added (ug/L)	Original Conc. (ug/L)	Spiked Sample Conc. (ug/L)	% Recovery	Acceptance Limits (%)
Benzene	10	ND	9.06	91%	39 - 150
Toluene	10	ND	9.36	94%	46 - 148
Ethylbenzene	10	ND	9.43	94%	32 - 160
m,p-Xylenes	20	ND	18.6	93%	NE
o-Xylene	10	ND	9.43	94%	NE

ND - Analyte not detected at the stated detection limit.


NA - Not applicable or not calculated.

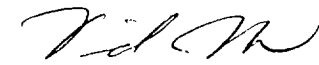
NE - Spike acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	90	88 - 110%
	Bromofluorobenzene	93	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209, Oct. 1984.

Comments:


Analyst


Review

Purgeable Aromatics

Duplicate Analysis

Lab ID: 7021Dup
Sample Matrix: Water
Preservative: Cool
Condition: Intact

Report Date: 06/11/97
Date Sampled: 06/06/97
Date Received: 06/06/97
Date Analyzed: 06/10/97

Target Analyte	Original Conc. (ug/L)	Duplicate Conc. (ug/L)	Acceptance Range (ug/L)
Benzene	ND	ND	NA
Toluene	64.6	58.3	49.4 - 73.5
Ethylbenzene	ND	ND	NA
m,p-Xylenes	171	165	NE
o-Xylene	ND	ND	NE

ND - Analyte not detected at the stated detection limit.

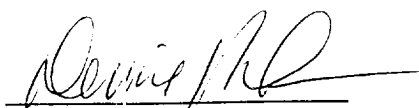
NA - Not applicable or not calculated.

NE - Duplicate acceptance range not established by the EPA.

	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
Quality Control:	Trifluorotoluene	98	88 - 110%
	Bromofluorobenzene	102	86 - 115%

Reference: Method 602.2, Purgeable Aromatics; Federal Register, Vol. 49, No. 209, Oct. 1984.

Comments:



Analyst



Review

General Water Quality Quality Control Report

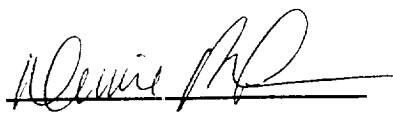
Sunco Disposal, Inc.

Report Date: 07/09/97

Parameter	Analytical Result	Certified Value	Acceptance Range	Units
Laboratory pH	9.02	9.09	8.89 - 9.29	s.u.
Conductivity	1743	1770	1500 - 2040	µmhos/cm
Total Dissolved Solids	1280	1320	1150 - 1490	mg/L
Total Alkalinity	250	237	211 - 263	mg/L
Chloride	208	207	193 - 221	mg/L
Sulfate	216	220	189 - 251	mg/L
Total Hardness	275	278	239 - 317	mg/L
Calcium	156	151	130 - 172	mg/L
Magnesium	NA	NA	NA	mg/L
Potassium	190	193	164 - 222	mg/L
Sodium	173	158	134 - 182	mg/L

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination Of Water And Wastewater, 18th ed., 1992.

Comments:


Review

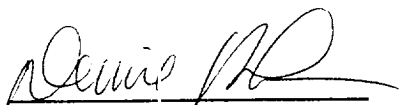
Quality Control Report

Sunco Disposal

Date Reported: 07/09/97

Target Analyte	QC Sample ID	Concentration (µg/L)	Certified Concentration (µg/L)	Acceptance Limits
Arsenic	ERA 9973	47.6	52.9	39.7 - 62.4
Barium	WS038	2260	2002	1700 - 2300
Cadmium	WP35C2	351	401	349 - 454
Chromium	ERA 9973	286	271	222 - 320
Lead	ERA 9973	310	306	251 - 361
Mercury	WP037	0.461	0.494	0.266 - 0.729
Selenium	ERA 9973	215	203	152 - 240
Silver	ERA 9973	86.4	99.4	81.5 - 117

Reference: Method 1311: Toxicity Characteristic Leaching Procedure; Method 7000: Methods for Determination of Metals; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.


Review